

2004 Awards Program

*Prine
Pocush*

Spring Convention • March 14, 2004 • Hilton Washington • Washington, D.C.

Awards

HONORARY MEMBERSHIP

Robert F. Mast
Roberto Meli
Edward G. Nawy
Ramesh N. Raikar
James M. Shilstone, Sr.

FELLOWS

Wayne S. Adaska
Robert B. Anderson
Vartan Babakhanian
Maher A. M. Bader
Shrinivas B. Bhide
Edwin G. Burdette
Tsung-Li T. Chen
Mohamed Nasser
A. N. Darwish
Boris Z. Dragunsky
Kevin J. Folliard
Hector Gallegos
Daniel J. Green

Roger Green
Bilal S. Hamad
H. R. "Trey" Hamilton, III
Charles S. Hanskat
G. Terry Harris, Sr.
L. S. "Paul" Johal
Ali R. Khaloo
Jeri A. Kolodziej
Daniel Kuchma
Kenneth M. Lozen
Kevin A. MacDonald
Ross S. Martin
Bruno Massicotte

Yi-Lung Mo
Richard S. Orr
Jay H. Paul
Stephen P. Pessiki
William F. Rossi
Jean-Claude M.
Roumain
Stephen J. Seguirant
Barendra K. Talukdar
Faisal Fouad Wafa
Ronald J. Watson
Min-Hong Zhang

50-YEAR MEMBERSHIP CITATIONS

James E. Amrhein
James E. Bennett, Jr.
David M. Berg
J. Eloy Y. Bordier
Gregory P. Chacos
T. Z. Chastain
Jacques L. Clarke
Bradford B. Dallas
Carl E. Ekberg, Jr.

Norman W. Hanson
Daniel P. Jenny
Narbey Khachaturian
Eduardo Kriger
Hiroshi Muguruma
Joseph P. Nicoletti
Charles J. Pankow*
Francis J. Principe
William C. Schnobrich

McKinney V. Taylor
John B. Wagner
Lyndon Welch
Robert G. Wiedyke
Edward L. Wilson, Jr.
Alfred A. Yee
William H. Zehrt

ARTHUR R. ANDERSON AWARD

Clifford L. Freyermuth

ROGER H. CORBETTA CONCRETE CONSTRUCTOR AWARD

Alphonse E. Engelman

JOE W. KELLY AWARD

Sher Ali Mirza

HENRY L. KENNEDY AWARD

Catherine E. French

*deceased

ALFRED E. LINDAU AWARD

S. K. Ghosh

HENRY C. TURNER MEDAL

L. Michael Shydlofski

CHARLES S. WHITNEY AWARD

Charles Pankow Builders, Ltd.

ACI YOUNG MEMBER AWARD FOR PROFESSIONAL ACHIEVEMENT

Alejandro Durán-Herrera • Andrea J. Schokker

WASON MEDAL FOR MOST MERITORIOUS PAPER

Norman L. Scott

ACI CONSTRUCTION PRACTICE AWARD

Richard Morin • Gilbert Haddad • Pierre-Claude Aïtcin

WASON MEDAL FOR MATERIALS RESEARCH

Long T. Phan • Nicholas J. Carino

ACI STRUCTURAL RESEARCH AWARD

James G. MacGregor

ACI DESIGN PRACTICE AWARD

Tjen Nung Tjhin • Daniel Kuchma

DELMAR L. BLOEM AWARD FOR DISTINGUISHED SERVICE

Stephen B. Tatro • James E. Cook • Sami H. Rizkalla • Tony C. Liu

CHAPTER ACTIVITIES AWARD

Robert H. Kuhlman • Naji M. Al-Mutairi

WALTER P. MOORE, JR., FACULTY ACHIEVEMENT AWARD

W. Jason Weiss

CONCRETE RESEARCH COUNCIL

ARTHUR J. BOASE AWARD

Michael P. Collins

CONCRETE RESEARCH COUNCIL

ROBERT E. PHILLEO AWARD

Nicholas J. Carino

CHAPTER AWARDS — CITATIONS OF EXCELLENCE

Honorary membership—

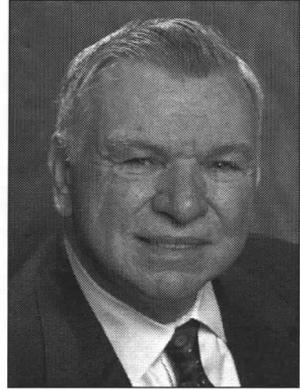
The Institute's highest honor recognizes persons "of eminence in the field of the Institute's interest, or one who has performed extraordinary meritorious service to the Institute."

(Bylaws, Article II, Section 2.)

Established in 1926, 179 have been elected to this position.

Honorary Members

“to recognize his service to ACI and the structural engineering profession through his insightful contributions to improving design codes, development of innovative solutions for design of an unusually wide range of precast and prestressed concrete structures, and dedicated leadership in ACI”



Robert F. Mast

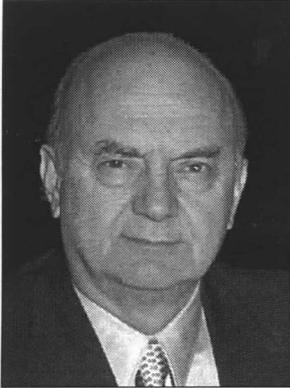
Robert F. Mast is Senior Principal and Director of Engineering Development at BERGER/ABAM Engineers Inc., Federal Way, WA. During his 44-year tenure with the firm and its predecessors, Mast has served in positions ranging from Junior Engineer to President and Chairman of the Board of Directors. He has dedicated his entire career to engineering excellence and the advancement of precast/prestressed concrete. Prior to joining BERGER/ABAM, Mast served in the U.S. Army.

An ACI member since 1959, Mast was ACI President from 1995 to 1996. He is a member of ACI Committee 318, Structural Concrete Building Code; the Concrete Research Council (CRC); the TAC Technology Transfer Committee (TTTC); and the Strategic Development Council (SDC). He is a former member of several ACI committees, including the Standards Board; the Technical Activities Committee (TAC); the Executive Committee; the ACI Young Member Award for Professional Achievement Committee; the Awards for Papers Committee; the Honors and Awards Committee; the Honorary Membership Committee; the Personal Awards Committee; the Reinforced Concrete Research Council (RCRC); the Responsibility in Concrete Construction Committee (RCCC); and Joint ACI-ASCE Committees 352, Joints and Connections in Monolithic Concrete Structures, and 550, Precast Concrete Structures. Mast received the ACI Arthur J. Boase Award in 1997 and the ACI Arthur R. Anderson Award in 2003.

He was also recognized by the National Academy of Engineering, 1989, and received the American Society of Civil Engineers T.Y. Lin Award, 1969, 1973, and 2002, and the OPAL (Outstanding Projects and Leaders) Award for Design; the Engineer of the Year Award from the Consulting Engineers Council of Washington, 2000; and the Medal of Honor, 2001, the Martin P. Korn Award, 1992 and 2001, and the Charles C. Zollman Award, 2002, from the Precast/Prestressed Concrete Institute.

Mast received a bachelor's degree in architectural engineering from the University of Illinois at Urbana-Champaign in 1957.

Honorary Members



Roberto Meli

“for his research, teaching, and leadership in improving the design and construction of reinforced concrete structures, and for his extraordinary efforts to promote cooperative research in earthquake engineering, especially in rehabilitation of existing structures and historical monuments”

Roberto Meli has been a Professor at the National University of Mexico since 1967, where he was recently named Professor Emeritus. In addition, he has been a visiting professor at the University of Texas at Austin and at the Technical University of Milan. He has also lectured extensively, especially in Mexico and other Latin American countries.

His research interests include the structural behavior of buildings, specifically the effects of earthquakes on concrete and masonry structures. He has served as a consultant for the structural design of many urban buildings, industrial facilities, and underground and bridge structures and has published more than 140 technical papers and four books.

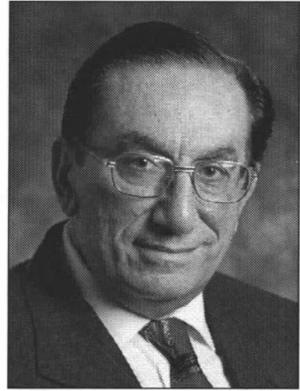
After the 1985 Mexico earthquake, Meli headed the group in charge of the evaluation of its effects on buildings and of extracting the lessons for updating the practice of earthquake-resistant design. He coordinated the U.S.-Mexico research program on learning from the Mexico earthquake and served as a Vice-President of the International Association of Earthquake Engineering (IAEE). From 1995 to 2000, he was General Director of the National Centre for Disaster Prevention (CENAPRED), where he was in charge of advising the National Civil Protection System on hazard evaluation and mitigation measures regarding the large variety of natural risks faced by the country. He has also been responsible for the drafting of several building codes and design norms in Mexico and abroad.

In addition, he has written papers for several ACI journals, conferences and symposia, as well as for seminars and short courses. In Mexico, he received several awards, including the National Prize for Science and Arts and the National University Prize, which was awarded for his contributions to technological development.

Meli received a degree in civil engineering and his Doctor of Engineering in Structures from the National University of Mexico.

Honorary Members

“for lifelong dedication to improving concrete and its applications as an educator and researcher, through publications that have influenced generations of students and engineers, and through leadership of technical committees and chapter activities in ACI”



Edward G. Nawy

Edward G. Nawy is Distinguished Professor in the Department of Civil and Environmental Engineering at Rutgers University—The State University of New Jersey.

A Fellow of ACI, Nawy has been active in ACI since 1959. He is the founding Chair and a current member of ACI Committee 224, Cracking; a member of ACI Committee 340, Design Aids for ACI Building Codes; and Past Chair and current member of 435, Deflection of Concrete Building Structures. He was the second Chair of the ACI Chapter Activities Committee, where he helped formulate several major policies, including establishment of roundtable conferences, codification of chapter charters, inspector certification procedures, and committee awards. He twice served as President of the ACI New Jersey Chapter.

Nawy is the recipient of the ACI Chapter Activities Committee Award, the Henry L. Kennedy Award, the Concrete Research Council Robert E. Philleo Award, and the ACI Design Practice Award. He has also received the Transportation Research Board's (TRB) Emeritus Honorary Membership in the TRB Committee on Properties of Concrete. He served two terms on the Rutgers University Board of Governors, one term on its Board of Trustees, and also served as evaluator for the Accreditation Board for Engineering and Technology. He has published over 175 papers, is the author of three major textbooks and a handbook—all on reinforced, prestressed, and high-performance concrete—and is a registered professional engineer in five states and a chartered engineer overseas.

Honorary Members



"in recognition of his countless years of service to ACI and its India Chapter; for his unlimited enthusiasm to ensure quality concrete; and for his faithful labors in support of international cooperation"

Ramesh N. Raikar

Ramesh N. Raikar is Chairman and Managing Director of Structwel Designers & Consultants Pvt. Ltd., a consulting firm he established in 1966 that specializes in structural engineering projects; repair, rehabilitation, and restoration; architectural planning; and the development of large industrial projects, housing complexes, public utility structures, and transportation facilities. In addition, the firm is involved in damage and failure investigations and peer review. Prior to this, Raikar worked for various government, semi-government, and defense organizations.

An ACI Fellow since 1989, Raikar is a member of the ACI International Conferences/Conventions Committee. He was instrumental in founding the ACI India Chapter, and currently serves as President. In 1983, he received the ACI International Chapter Activity Award. In 1994, he received a Special Recognition Award in Singapore for his "leadership role in the concrete industry in India" from CANMET/ACI. He is a member of various other national committees, codemaking bodies, and professional organizations, such as the Institution of Engineers; Institution of Valuers; the Indian Concrete Institute; the Institution of Structural Engineers, UK; and the Canadian Society of Civil Engineers.

His interests include repair and rehabilitation, and he is credited with pioneering contributions in this field. Almost 25 years ago, he introduced the term "forensic engineering" to Indian engineers, and he has lectured widely on the subject throughout India and other countries and has participated as an expert committee member on several exclusive investigations of damaged and collapsed structures.

Throughout his professional career, he has studied the response and behavior of structures to various stimulants, serviceability aspects, and the equilibrium of structures with design inputs. He initiated nondestructive testing and material testing as essential parts of the analytical studies of distressed structures. More than two decades ago, he started the first private sector material testing laboratory in India. Today, it is a full-fledged, accredited testing laboratory that is recognized as an "in-house R&D unit" by the government of India's Department of Science and Technology. He has also written more than 200 technical papers and four books, which are used in many colleges and universities.

Raikar received a degree in civil engineering from the College of Engineering, Pune, India, in 1962.

Honorary Members

"for his lifelong quest for intelligent change in the concrete industry and his tenacious pursuit of performance-based specifications"



James M. Shilstone, Sr.

James M. Shilstone, Sr., is Chairman of The Shilstone Companies, Inc., Dallas, TX. He has more than 50 years of experience in the concrete industry.

He was born in New Orleans, and into the concrete industry, in 1923. His father owned a chemical laboratory, had heard of Duff Abram's theories, traveled with him, and expanded his laboratory to include concrete and other materials. As a young boy, Shilstone swept the laboratory floors, capped cylinders in plaster-of-paris on oiled sheets of marble and broke them in a hand-cranked testing machine. In 1938, he completed his first concrete mixture research.

In 1942, he entered West Point as a cadet and learned to live by the academy motto, "Duty, Honor, Country." He graduated in 1945 and served in the U.S. Army for 7 years, which included a tour in the Korean War. He returned to the Shilstone Testing Laboratory and expanded his knowledge and understanding of concrete.

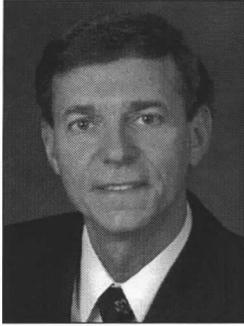
Serving as a concrete consultant for a \$600 million project in Saudi Arabia in the mid-1970s, it was Shilstone's job to prepare the specifications for cast-in-place, sandblasted architectural concrete. There was a problem—there were no standard materials, and traditional mixture proportioning methods were not applicable. Working at a laboratory in Athens, Greece, he guided the research based on his knowledge of concrete basics. His findings are now widely accepted concrete mixture technology and have led to changes in ASTM, ACI, the U.S. Air Force, and an increasing number of state departments of transportation.

Shilstone was asked to speak during two recent workshops on infrastructure. The assigned subject was "Concrete—Why Can't We Build Them Like We Use To?" He knew the answers. He had been a participant and observer of the many changes and an ardent researcher of the technology that produced the old concrete that is now out-performing the new infrastructure concrete. The problems can be reversed.

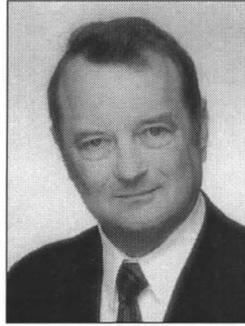
An ACI Fellow, Shilstone is a member of ACI Committees 211, Proportioning Concrete Mixtures; 301, Specifications for Concrete; 309, Consolidation of Concrete; and 325, Concrete Pavements. He is a former member of ACI Committee 121, Quality Assurance Systems for Concrete. He received ACI's Wason Medal for Most Meritorious Paper in 1979 and the ACI Construction Practice Award in 1985.

Shilstone received his BS from the United States Military Academy at West Point in 1945.

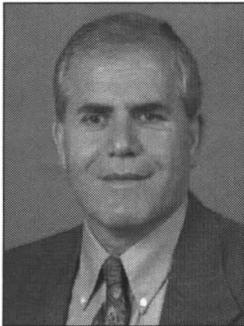
Fellow—“A fellow shall be a person who has made outstanding contributions to the production or use of concrete materials, products, and structures in the areas of education, research, development, design, construction, or management.” (Bylaws, Article II, Section 3.) Created in 1973, 1,083 members now hold the position of Fellow. They are recommended by the Fellows Nomination Committee and elected by the Board of Direction.



Wayne S. Adaska



Robert B. Anderson



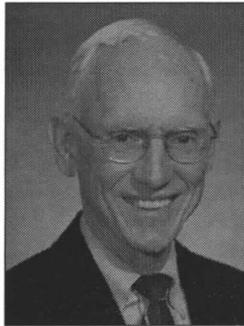
Vartan
Babakhanian



Maher A. M. Bader



Shrinivas B. Bhidé

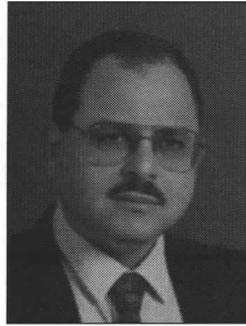


Edwin G. Burdette

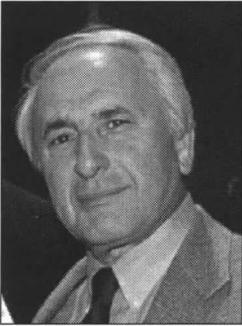
Fellows



Tsung-Li T. Chen



Mohamed Nasser
A. N. Darwish



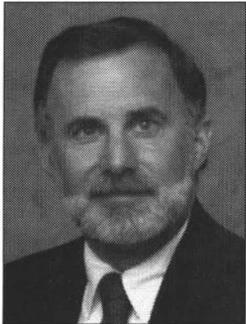
Boris Z.
Dragunsky



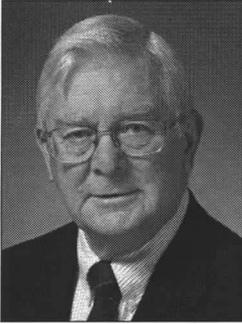
Kevin J. Folliard



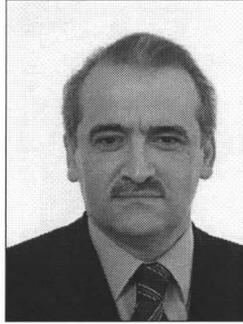
Hector Gallegos



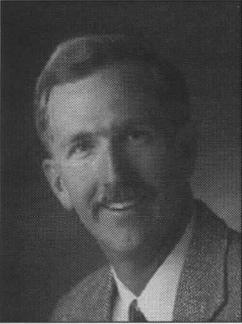
Daniel J. Green



Roger Green



Bilal S. Hamad



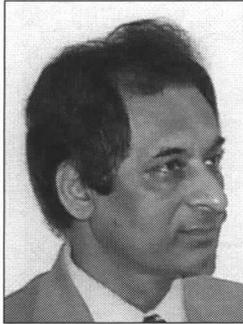
H. R. "Trey"
Hamilton, III



Charles S.
Hanskat

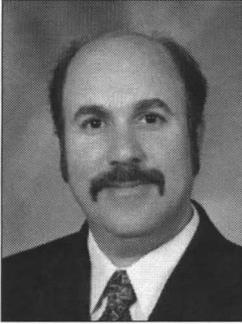


G. Terry Harris, Sr.



L. S. "Paul" Johal

Fellows



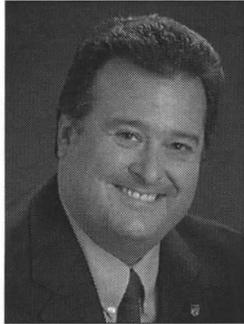
Ali R. Khaloo



Jeri A. Kolodziej



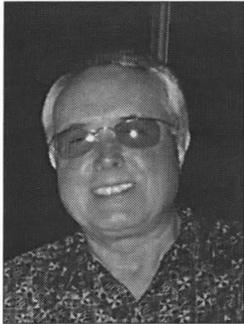
Daniel Kuchma



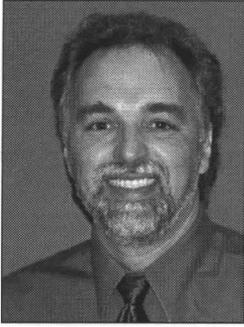
Kenneth M.
Lozen



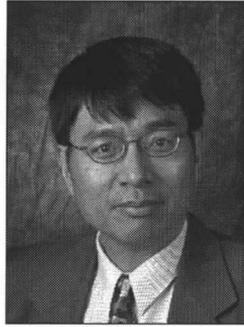
Kevin A.
MacDonald



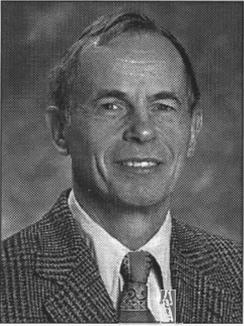
Ross S. Martin



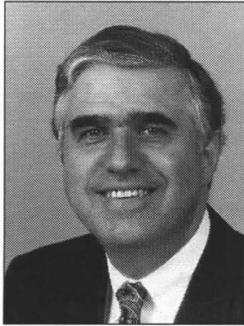
Bruno
Massicotte



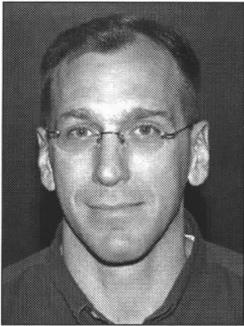
Yi-Lung Mo



Richard S. Orr



Jay H. Paul

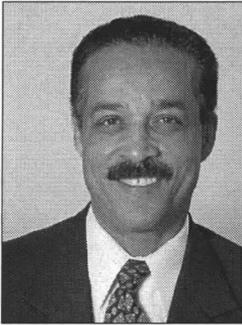


Stephen P.
Pessiki

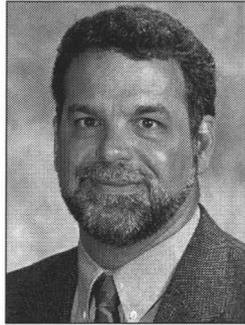


William F. Rossi

Fellows



**Jean-Claude M.
Roumain**



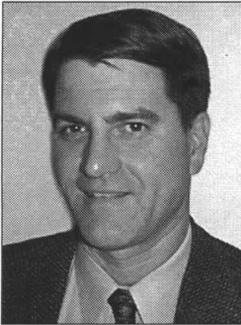
**Stephen J.
Seguirant**



**Barendra K.
Talukdar**



**Faisal Fouad
Wafa**



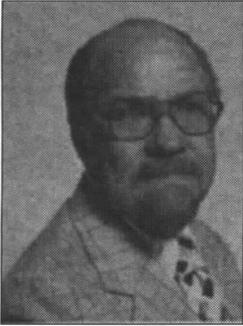
**Ronald J.
Watson**



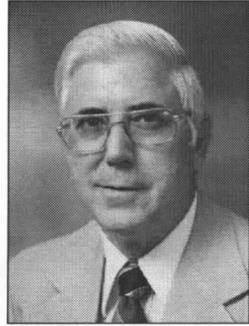
**Min-Hong
Zhang**

50-Year Membership Citations —

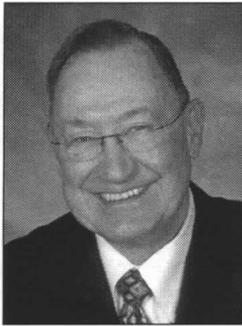
Expression of appreciation to members who have contributed to the success of the Institute by maintaining membership of at least 50 years.



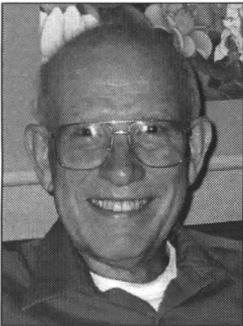
James E. Amrhein



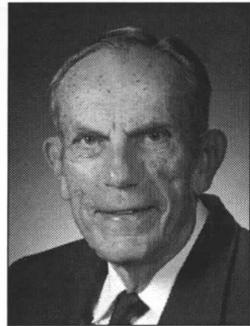
T. Z. Chastain



Gregory P.
Chacos

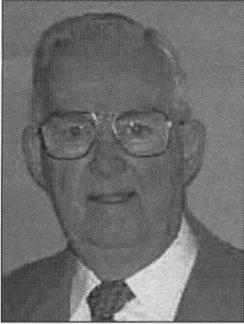


James E.
Bennett, Jr.

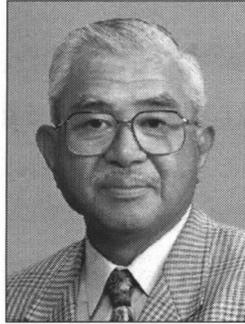


Carl E. Ekberg, Jr.

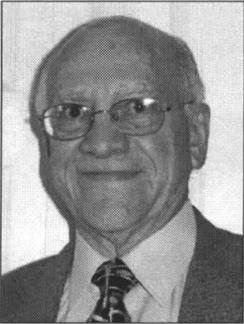
50-Year Membership Citations



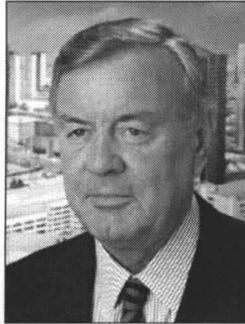
Norman W.
Hanson



Hiroshi
Muguruma



Daniel P. Jenny



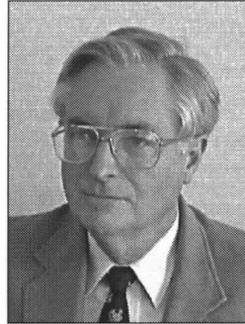
Charles J.
Pankow*

*deceased

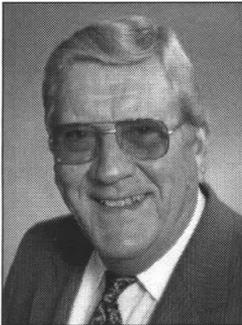
50-Year Membership Citations



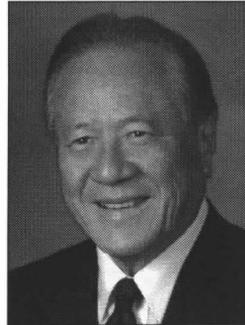
Francis J.
Principe



Edward L. Wilson, Jr.



McKinney V.
Taylor



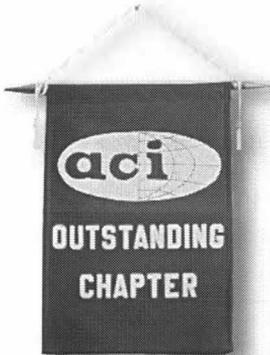
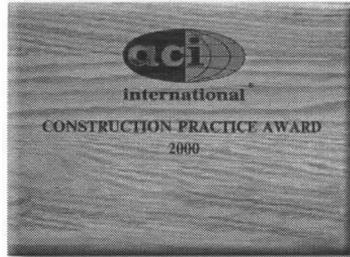
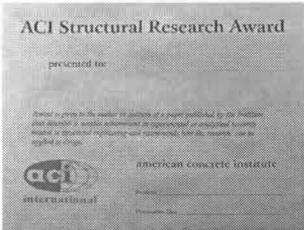
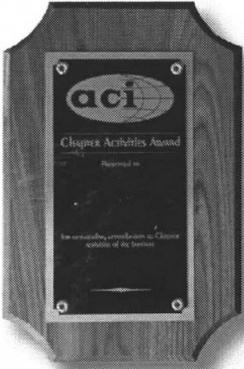
Alfred A. Yee

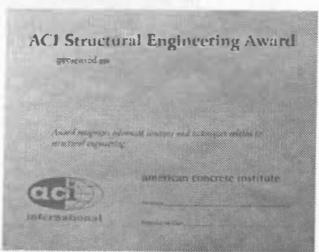
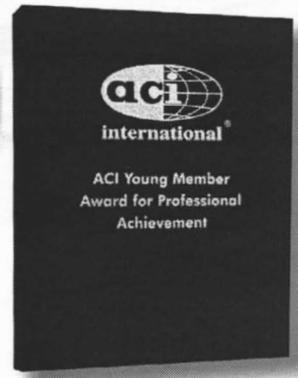
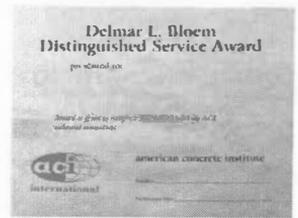
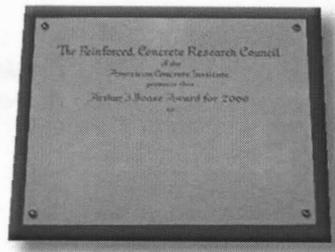
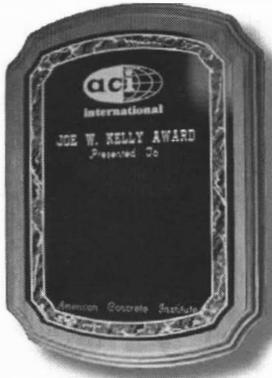
Not pictured:

David M. Berg
J. Eloy Y. Bordier
Jacques L. Clarke
Bradford B. Dallas
Narbay Khachaturian
Eduardo Kriger

Joseph P. Nicoletti
William C. Schnobrich
John B. Wagner
Lyndon Welch
Robert G. Wiedyke
William H. Zehrt

ACI Awards





Arthur R. Anderson Award



“for his many contributions to the development and implementation of post-tensioned concrete building and segmental bridge design techniques and construction specifications”

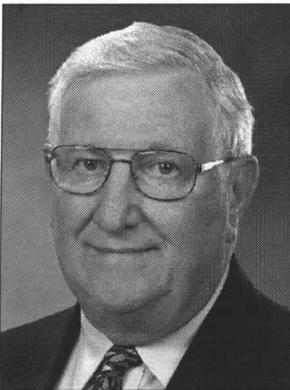
Clifford L. Freyermuth

(For bio see page 58)

The **Arthur R. Anderson Award** was established in 1972 by the Institute in recognition of Arthur R. Anderson, past president of the Institute, for his imaginative and outstanding leadership and insistence on excellence of concrete quality for engineering works.

The award is given for outstanding contributions to the advancement of knowledge of concrete as a construction material and need not be presented each year. All persons, firms, corporations, or organizations are eligible to receive the award.

Roger H. Corbetta Concrete Constructor Award



“for his exceptional service to the construction industry through his leadership in the American Society of Concrete Contractors and the American Concrete Institute”

Alphonse E. Engelman

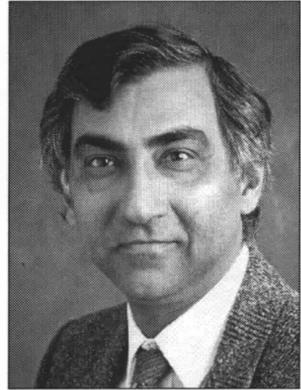
(For bio see pages 58-59)

The **Roger H. Corbetta Concrete Constructor Award** was established in 1972 by the Institute in recognition of Roger H. Corbetta, past president of the Institute, for his creative leadership and his many outstanding contributions to the use of concrete for construction.

The award is given to an individual or an organization who, or which, as a constructor, has made significant contributions to progress in methods of concrete construction.

Joe W. Kelly Award

“for his outstanding efforts in teaching the behavior and design of reinforced concrete structures, and for his many important contributions to the activities and documents of ACI technical committees”



Sher Ali Mirza

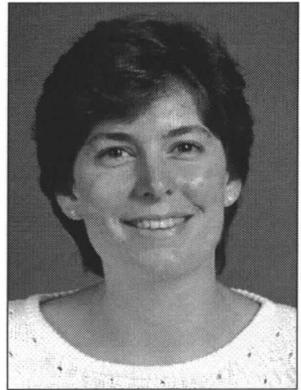
(For bio see pages 59-60)

The **Joe W. Kelly Award** was established in 1974 in recognition of the contributions of Joe W. Kelly, past president of the Institute, to concrete technology, his devotion to teaching, the advancement of his profession, and the use of concrete in construction.

The award is given only for outstanding contributions to education in the broad field of concrete.

Henry L. Kennedy Award

“for her steadfast leadership in the academic world, and for enhancing the prestige of the Institute as a distinguished representative and role model”

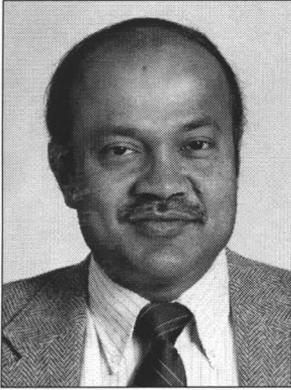


Catherine E. French

(For bio see pages 60-61)

The **Henry L. Kennedy Award** was established in 1958. The award is given only for outstanding technical or administrative service to the Institute and is not mandatory each year. The basis for selection of awardees is outstanding activity or service that has enhanced the Institute's prestige, marked leadership in technical, administrative, or special committee work, or other distinguished service to the Institute.

Alfred E. Lindau Award



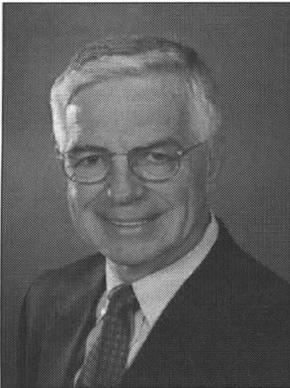
S. K. Ghosh

“for leading efforts to improve codes and practice in concrete structures through publications and seminars for engineers, technical committee activities, and involvement in model code development”

(For bio see page 61)

The **Alfred E. Lindau Award**—Presented for outstanding contributions to reinforced concrete design practice, this award is given in memory of Alfred E. Lindau, a past president of the Institute. Founded in 1947, the award is open to any and all persons, firms, or corporations involved in concrete design.

Henry C. Turner Medal



L. Michael Shydowski

“for his leadership role in developing the Strategic Development Council and a vision for the U.S. concrete industry”

(For bio see page 62)

The **Henry C. Turner Medal** was founded in 1927 by Henry C. Turner, past president, American Concrete Institute. It is awarded for notable achievements in, or service to, the concrete industry.

In making selections for the Turner Medal, the committee is not restricted to members of the Institute nor to the achievements of any particular period. It may be awarded once in any year.

Charles S. Whitney Award

“for demonstrating exemplary leadership in the American Concrete Institute and the Design-Build Institute of America, as well as for their outstanding contributions to the construction industry”



Charles Pankow Builders, Ltd.

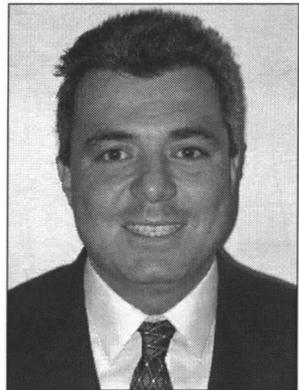
(For bio see pages 62-63)

The **Charles S. Whitney Award**—Presented for Engineering Development, this award was founded in 1961 by Ammann and Whitney to honor the memory of Charles S. Whitney. It may be bestowed once in any year, for noteworthy engineering development work in concrete design or construction. The recognition may be extended to a firm or agency alone or to an individual.

Any outstanding engineering development work contributing importantly, through development of general engineering practice or through application in specific noteworthy projects, to the advancement of the sciences or arts of concrete design or construction is eligible.

ACI Young Member Award for Professional Achievement

“for his leadership in establishing the ACI-FIC-UANL N.E. México Student Chapter, serving as its first President, and for his many activities as Secretary/Treasurer”



(For bio see pages 63-64)

Alejandro Durán-Herrera

The **ACI Young Member Award for Professional Achievement**—Established in 1997 “for the purpose of recognizing the contributions of younger members of the Institute, and for professional achievement.” Those selected must be Institute members, and 35 years of age or younger at the time of the nomination.

ACI Young Member Award for Professional Achievement



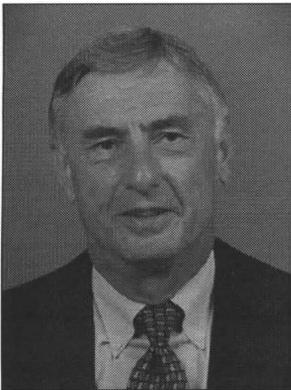
Andrea J. Schokker

“for her contributions to the concrete industry through service on ACI’s technical committees and leadership as the first Chair of the Faculty Network Coordinating Committee”

(For bio see page 64)

The ACI Young Member Award for Professional Achievement—Established in 1997 “for the purpose of recognizing the contributions of younger members of the Institute, and for professional achievement.” Those selected must be Institute members, and 35 years of age or younger at the time of the nomination.

Wason Medal for Most Meritorious Paper



Norman L. Scott

“for his paper on responsibility in the design and construction of concrete structures”

*“In Construction, Who is Responsible for What?”
Concrete International, V. 24, No. 5, May 2002, pp. 53-58.*

(For bio see pages 64-65)

The Wason Medal for Most Meritorious Paper was founded in 1917 by Leonard C. Wason, past president, American Concrete Institute, and has been awarded continuously since that date. It is awarded each year to the author or authors of the most meritorious paper published by the Institute.

All original papers presented to the Institute by members (or if co-authored at least one author must be an ACI member) and published by the Institute during the volume year for which the medal is awarded are eligible.

ACI Construction Practice Award

“for his co-authored paper describing design, material, construction, and curing practices for high-performance concrete structures”



Richard Morin

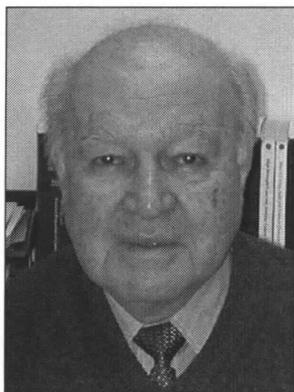
“Crack Free, High-Performance Concrete Structures,”
Concrete International, V. 24, No. 9, Sept. 2002, pp. 43-48.

(For bio see page 66)

The **ACI Construction Practice Award**—Founded in 1944, the intent of this award is to enrich the literature in construction practice and to honor the construction worker whose resourcefulness produces a completed structure from drawings and specifications. This award is not restricted to members of the Institute.

ACI Construction Practice Award

“for his co-authored paper describing design, material, construction, and curing practices for high-performance concrete structures”



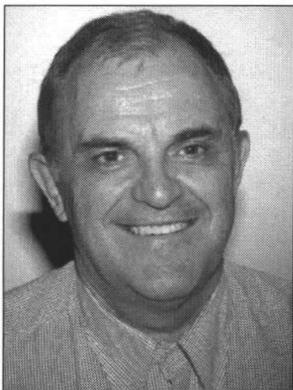
Gilbert Haddad

“Crack Free, High-Performance Concrete Structures,”
Concrete International, V. 24, No. 9, Sept. 2002, pp. 43-48.

(For bio see pages 65-66)

The **ACI Construction Practice Award**—Founded in 1944, the intent of this award is to enrich the literature in construction practice and to honor the construction worker whose resourcefulness produces a completed structure from drawings and specifications. This award is not restricted to members of the Institute.

ACI Construction Practice Award



Pierre-Claude Aïtcin

"for his co-authored paper describing design, material, construction, and curing practices for high-performance concrete structures"

"Crack Free, High-Performance Concrete Structures," *Concrete International*, V. 24, No. 9, Sept. 2002, pp. 43-48.

(For bio see page 65)

The **ACI Construction Practice Award**—Founded in 1944, the intent of this award is to enrich the literature in construction practice and to honor the construction worker whose resourcefulness produces a completed structure from drawings and specifications. This award is not restricted to members of the Institute.

Wason Medal for Materials Research



Long T. Phan

"for his co-authored paper on the fundamental behavior of high-strength concrete at elevated temperatures"

"Effects of Test Conditions and Mixture Proportions on Behavior of High-Strength Concrete Exposed to High Temperatures," *ACI Materials Journal*, V. 99, No. 1, Jan.-Feb. 2002, pp. 54-66.

(For bio see page 67)

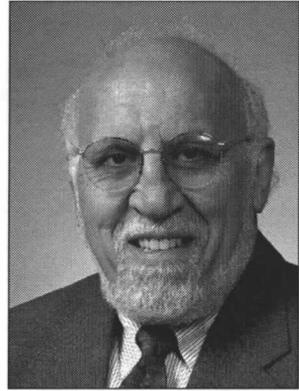
The **Wason Medal for Materials Research** was founded in 1917 by Leonard C. Wason, past president of ACI. Any report of original research work on concrete materials and their uses, or a discovery that advances the state of knowledge of materials used in the concrete industry is eligible for the Wason Medal for Materials Research. When awarded, it is bestowed for the research discovery judged worthy of special commendation. It is restricted to members of the Institute, but if a paper of multiple authorship has one author who is an ACI member, all co-authors become eligible for the award.

Wason Medal for Materials Research

“for his co-authored paper on the fundamental behavior of high-strength concrete at elevated temperatures”

“Effects of Test Conditions and Mixture Proportions on Behavior of High-Strength Concrete Exposed to High Temperatures,” *ACI Materials Journal*, V. 99, No. 1, Jan.-Feb. 2002, pp. 54-66.

(For bio see pages 66-67)



Nicholas J. Carino

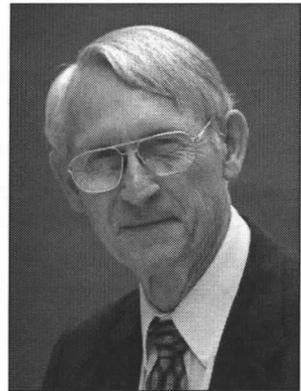
The **Wason Medal for Materials Research** was founded in 1917 by Leonard C. Wason, past president of ACI. Any report of original research work on concrete materials and their uses, or a discovery that advances the state of knowledge of materials used in the concrete industry is eligible for the Wason Medal for Materials Research. When awarded, it is bestowed for the research discovery judged worthy of special commendation. It is restricted to members of the Institute, but if a paper of multiple authorship has one author who is an ACI member, all co-authors become eligible for the award.

ACI Structural Research Award

“for his paper documenting major decisions made during development of the strut and tie provisions in the 2002 ACI Code and providing insightful comparisons to the strut and tie provisions of other national codes and specifications”

“Derivation of Strut-and-Tie Models for the 2002 ACI Code,” *Examples for the Design of Structural Concrete with Strut-and-Tie Models*, SP-208, K.-H. Reineck, ed., American Concrete Institute, Farmington Hills, MI, pp. 7-40.

(For bio see page 68)



James G. MacGregor

The **ACI Structural Research Award**—Awarded to authors of a paper published by the institute that describes a notable achievement in research related to structural engineering and that recommends how the research can be applied to design.

ACI Design Practice Award



Tjen Nung Tjhin

“for his co-authored paper showing a comprehensive, yet simple example of the design of a non-slender beam (deep beam) using the strut-and-tie model in accordance with Appendix A of the ACI 318-02 Code”

“Example 1b: Alternative Design for the Non-Slender Beam (Deep Beam),” *Examples for the Design of Structural Concrete with Strut-and-Tie Models*, SP-208, K.-H. Reineck, ed., American Concrete Institute, Farmington Hills, MI, pp. 81-90.

(For bio see page 69)

The ACI Design Practice Award honors a paper that describes advanced concepts and techniques applied to a specific design practice or project. Awarded to the author or co-authors of the paper and to the engineer or engineering firm responsible for the design. Institute membership and peer review are not required, and the award may be awarded annually, but not necessarily.

ACI Design Practice Award



Daniel Kuchma

“for his co-authored paper showing a comprehensive, yet simple example of the design of a non-slender beam (deep beam) using the strut-and-tie model in accordance with Appendix A of the ACI 318-02 Code”

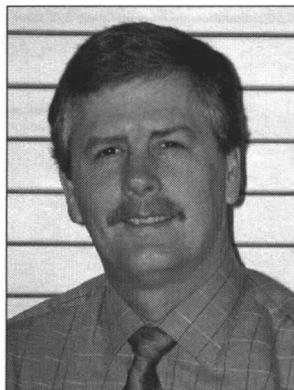
“Example 1b: Alternative Design for the Non-Slender Beam (Deep Beam),” *Examples for the Design of Structural Concrete with Strut-and-Tie Models*, SP-208, K.-H. Reineck, ed., American Concrete Institute, Farmington Hills, MI, pp. 81-90.

(For bio see page 69)

The ACI Design Practice Award honors a paper that describes advanced concepts and techniques applied to a specific design practice or project. Awarded to the author or co-authors of the paper and to the engineer or engineering firm responsible for the design. Institute membership and peer review are not required, and the award may be awarded annually, but not necessarily.

Delmar L. Bloem Award for Distinguished Service

*“for outstanding leadership of
ACI Committee 207, Mass Concrete”*



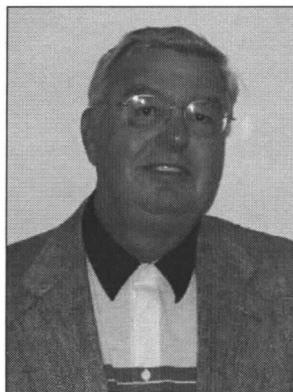
Stephen B. Tatro

(For bio see page 71-72)

The Delmar L. Bloem Award for Distinguished Service—In recognition of noteworthy work on ACI technical committees, this award goes to a current (or recent) chair, or under special circumstances, to deserving individuals other than committee chairs, for outstanding service. Created in 1969, then renamed 2 years later to memorialize Bloem for his outstanding contributions to the technical work of the Institute. Nominations come from the Technical Activities Committee and are approved by the Board.

Delmar L. Bloem Award for Distinguished Service

*“for outstanding leadership of
ACI Committee 214, Evaluation of
Results of Tests Used to Determine the
Strength of Concrete”*



James E. Cook

(For bio see page 69-70)

The Delmar L. Bloem Award for Distinguished Service—In recognition of noteworthy work on ACI technical committees, this award goes to a current (or recent) chair, or under special circumstances, to deserving individuals other than committee chairs, for outstanding service. Created in 1969, then renamed 2 years later to memorialize Bloem for his outstanding contributions to the technical work of the Institute. Nominations come from the Technical Activities Committee and are approved by the Board.

Delmar L. Bloem Award for Distinguished Service



“for outstanding leadership of ACI Committee 440, Fiber Reinforced Polymer Reinforcement”

Sami H. Rizkalla

(For bio see page 70-71)

The Delmar L. Bloem Award for Distinguished Service—In recognition of noteworthy work on ACI technical committees, this award goes to a current (or recent) chair, or under special circumstances, to deserving individuals other than committee chairs, for outstanding service. Created in 1969, then renamed 2 years later to memorialize Bloem for his outstanding contributions to the technical work of the Institute. Nominations come from the Technical Activities Committee and are approved by the Board. •

Delmar L. Bloem Award for Distinguished Service



“for outstanding leadership of ACI Committee 555, Concrete with Recycled Materials”

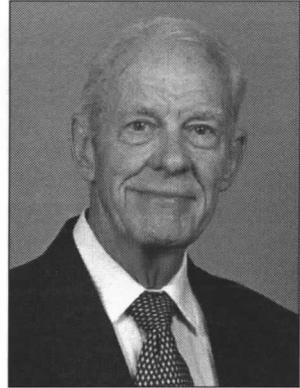
Tony C. Liu

(For bio see page 70)

The Delmar L. Bloem Award for Distinguished Service—In recognition of noteworthy work on ACI technical committees, this award goes to a current (or recent) chair, or under special circumstances, to deserving individuals other than committee chairs, for outstanding service. Created in 1969, then renamed 2 years later to memorialize Bloem for his outstanding contributions to the technical work of the Institute. Nominations come from the Technical Activities Committee and are approved by the Board.

Chapter Activities Award

*“for his dedicated service to ACI
and the ACI Georgia Chapter”*



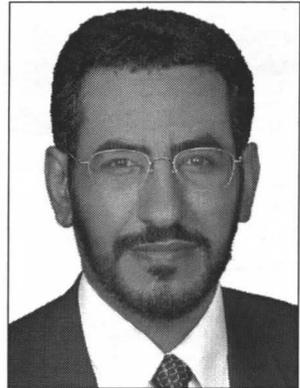
Robert H. Kuhlman

(For bio see page 73)

The **Chapter Activities Award**—Founded in 1975, this award recognizes outstanding service in the promotion and development of a chapter or chapters by a member of ACI. Nominations come from the Chapter Activities Committee and are approved by the Board.

Chapter Activities Award

*“for his dedicated service to the ACI
Kuwait Chapter”*



Naji M. Al-Mutairi

(For bio see page 72)

The **Chapter Activities Award**—Founded in 1975, this award recognizes outstanding service in the promotion and development of a chapter or chapters by a member of ACI. Nominations come from the Chapter Activities Committee and are approved by the Board.

Walter P. Moore, Jr., Faculty Achievement Award



"in recognition of excellence for his teaching and outreach in the field of concrete materials from elementary school children to university professors; Dr. Weiss is commended for efforts that have greatly contributed to the success of the ACI mission to promulgate the science and technology of concrete materials"

W. Jason Weiss

(For bio see page 73)

The **Walter P. Moore, Jr., Faculty Achievement Award**—Established in 2001 to honor the late Walter P. Moore, Jr., PhD, PE, NAE. Dr. Moore was an ACI Fellow, an ACI Board Member, and a structural engineer in Texas who believed in the development of educators committed to the teaching of concrete. This award is given to an individual with less than seven years' time served in all faculty positions. The award recognizes excellence and innovation in the teaching of concrete design, materials, or construction, with demonstrated evidence of technical competence, high character, and integrity.

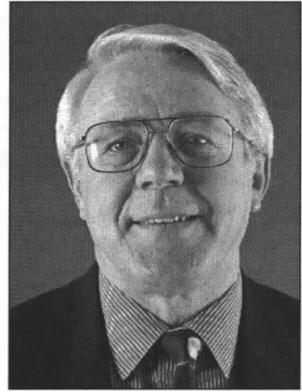
T. Y. Lin Award

2004

"Design-Construction of the Paramount – A 39-Story Precast Prestressed Concrete Apartment Building," by Robert E. Englekirk, *PCI Journal*, July/August 2002.

Concrete Research Council — Arthur J. Boase Award

“for his analytical and experimental research contributions on the shear behavior of reinforced and prestressed concrete members which have been incorporated into the ACI 318 and Canadian Building Codes”



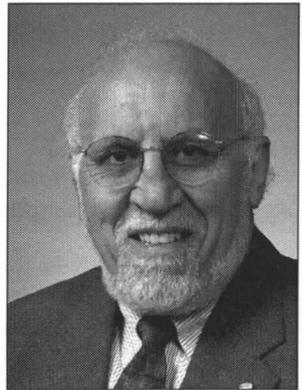
Michael P. Collins

(For bio see page 74)

The **Arthur J. Boase Award**, presented by the Concrete Research Council, was first awarded in 1971 in recognition of outstanding activities and achievements in the reinforced concrete field.

Concrete Research Council — Robert E. Philleo Award

“for the development of impact echo method as a nondestructive evaluation procedure for determining flaws in concrete and measuring concrete from the exposed surface of the slab or wall”



Nicholas J. Carino

(For bio see pages 66-67)

The **Robert E. Philleo Award** of the Concrete Research Council, ACI, established in 1992, is given in recognition of a person, persons, or an organization for outstanding research in the concrete materials field, or for outstanding contributions to the advancement of concrete technology through application of the results of concrete materials research. It is given in memory of an Institute past president and Honorary Member who was also chair of the Concrete Materials Research Council, now the Concrete Research Council. The award is a plaque suitably inscribed with the name of the recipient and the citation.

Special Recognition of Individuals and Organizations Instrumental in Initiating and Maintaining ACI Certification Programs Internationally

Many individuals and organizations have worked tirelessly to bring ACI Certification programs to areas outside of the U.S., overcoming language barriers and resistance to acceptance of the programs. ACI recognizes the leadership and foresight of these individuals, and salutes their employers and the organizations that support their involvement in initiating and maintaining ACI Certification programs internationally.

*Advanced Construction Technology
Services - Lebanon/Mideast
Khaled Awad*

*Alberta Ready Mixed Concrete
Association*

Atlantic Chapter of ACI

British Columbia Chapter of ACI

*Central & Southern Mexico Chapter
of ACI
Alejandro Graf-Lopez
José Rangel-Jaramillo
Carlos Siller*

*Ecuador Chapter of ACI
Guillermo Loayza*

*Instituto del Cemento y del Hormigón
de Chile
Juan Pablo Covarrubias
Renato Vargas*

Heraclio Esqueda-Huidobro

*Instituto Mexicano del Cemento
y del Concreto
Donato Figueroa-Gallo
José Lozano Ruy Sánchez*

*John Emery Geotechnical
Engineering, Ltd.*

Jose Pablo Garcia

*Laval University - Quebec
Marc Jolin*

Manitoba Chapter of ACI

*North Carolina State University
Roberto Nuñez*

*Northeast Mexico Chapter of ACI
Alejandro Durán-Herrera
Raymundo Rivera-Villareal
(deceased)*

Ontario Chapter of ACI

*Quebec and Eastern Ontario Chapter
of ACI
J. R. Maurice Marcil*

*Ready Mixed Concrete Association
of Ontario*

*Saskatchewan Ready Mixed
Concrete Association*

*Universidad Technica de Loja -
Ecuador
Vinicio Suarez*

*U.S. Department of Energy
Mario Diaz*

Special Recognition of National, Regional, and Local Organizations that Administer ACI Certification Programs

ACI has offered personnel certification programs for nearly 25 of ACI's 100 years. These programs could not be offered without the efforts of the individuals and organizations who administer the programs locally, regionally, and nationally in many countries worldwide. ACI salutes their efforts in making ACI Certification Programs an integral contributor to ACI's success and value worldwide!

Advanced Construction Technology Services, Inc.	Dakota Chapter of ACI	John Emery Geotechnical Engineering, Ltd.
Aggregate Ready- Mixed of Minnesota	Delaware Valley Chapter of ACI	Kansas ACI - KRMCA Certification Committee
Alabama Concrete Industries Association	Eastern New York Chapter of ACI	Kentucky Ready Mixed Concrete Association
Alberta Ready Mixed Concrete Association	Ecuador Chapter of ACI	Laborers-Associated General Contractors Education & Training Fund
American Shotcrete Association	El Paso Chapter of ACI	Las Vegas Chapter of ACI
Arizona Chapter of ACI	Florida Department of Transportation	Laval University
Arkansas Ready Mixed Concrete Association	Florida Gulf Chapter of ACI	Louisiana Chapter of ACI
Atlantic Chapter of ACI	Georgia Chapter of ACI	Maine Concrete Technician Certification Board
Baker University	Grand Rapids Community College/Tassel M-TEC	Manitoba Chapter of ACI
British Columbia Chapter of ACI	Greater Michigan Chapter of ACI	Maryland Chapter of ACI
Carolinas Chapter of ACI	Hawaii Cement and Concrete Products Industry	Massachusetts Concrete and Aggregate Producers Association
Cement and Concrete Reference Laboratory	Houston Chapter of ACI	Massachusetts Construction Industry Board
Central & Southern Mexico Chapter of ACI	Idaho Concrete and Aggregate Producers Association	Michigan Concrete Association
Central New York Chapter of ACI	Illinois Chapter of ACI	Michigan Technological University
Central Texas Chapter of ACI	Indiana Chapter of ACI	Minnesota Department of Transportation
Colorado Ready Mixed Concrete Association	Instituto del Cemento y del Hormigón de Chile	Mississippi Concrete Industries Association
Concrete Industry Board of New York	Instituto Mexicano del Cemento y del Concreto	Missouri Chapter of ACI
Connecticut Concrete Quality Control Committee	Intermountain Chapter of ACI	
Construction Materials Engineering Council	International Masonry Institute	
	Iowa Ready Mixed Concrete Association	
	Iran Chapter of ACI	

Special Recognition of National, Regional, and Local Organizations that Administer ACI Certification Programs

Montana Contractors Concrete Division	Northeast Texas Chapter of ACI	Saskatchewan Ready Mixed Concrete Association
Municipal Testing Corporation	Northern New England Concrete Promotion Association	South Texas Chapter of ACI
National Capital Chapter of ACI	Ohio Ready Mixed Concrete Association	Southern California Chapter of ACI
National Plastering Industry's Joint Apprentice Trust Fund	Oklahoma Ready Mixed Concrete Association	Tennessee Ready Mixed Concrete Association
National Ready Mixed Concrete Association	Ontario Chapter of ACI	Tilt-Up Concrete Association
Northeast Mexico Chapter of ACI	Oregon Chapter of ACI	U.S. Army Corps of Engineers
Northeast Ohio Chapter of ACI	Oregon Concrete and Aggregate Producers Association	U.S. Navy Seabees
Northern California Chapter of ACI	Pennsylvania Concrete Promotion Council	Universidad Technica de Loja - Ecuador
Nebraska Chapter of ACI	Pittsburgh Area Chapter of ACI	Virginia Chapter of ACI
New Brunswick Department of Transportation	Portland Cement Association	Virginia Ready Mixed Concrete Association
New Jersey Chapter of ACI	Prometric Testing Centers	Washington Aggregate & Concrete Association
New Mexico Chapter of ACI	Puerto Rico Ready Mixed Concrete Association	Western York Western Chapter of ACI
New York Department of Transportation	Quebec & Eastern Ontario Chapter of ACI	Wisconsin Associated Builders and Contractors Apprenticeship & Training Trust
North Carolina Department of Transportation	Ready Mixed Concrete Association of Ontario	Wisconsin Ready Mixed Concrete Association
North Dakota Ready Mixed and Concrete Products Association	Rhode Island Department of Transportation	Wyoming Contractors Association
	San Antonio Chapter of ACI	
	San Diego Certification Committee	

CITATIONS OF EXCELLENCE

These awards are presented to Chapters that have achieved excellence in chapter activities and have made significant contributions to the activities of the American Concrete Institute.

Consideration is given in areas of education and certification activities; membership; meetings; local chapter award programs; public relations; newsletters; and student scholarships and/or the Sponsor-a-Student program.

Credit is given for hosting an ACI Convention for chapters in the United States and Canada but is not included in the point system for chapters in other nations.

For chapters in the United States and Canada, there are 95 possible points. Those chapters receiving 50 or more points are deemed to have achieved a ranking of "excellent." Those receiving a minimum of 35 points up to a maximum of 49 points are accorded "outstanding" ratings.

For international chapters, there are a possible 52 points. Those achieving at least 26 points are accorded "outstanding" status. A rating of at least 34 points is necessary for "excellent" honors.

EXCELLENT CHAPTERS

U.S. and Canada

Georgia

Louisiana

Missouri

New Jersey

New Mexico

Northeast Texas

Northern California/Western Nevada

Southern California

International

Central and Southern Mexico

India

Iran

OUTSTANDING CHAPTERS

U.S. and Canada

Carolinas

Greater Miami Valley (Ohio)

Greater Michigan

Indiana

Illinois

Nebraska

Ontario

Pittsburgh Area

San Antonio

International

Peru

Award Recipient Biographies

HONORARY MEMBERSHIP — Robert F. Mast (see page 5)

HONORARY MEMBERSHIP — Roberto Meli (see page 6)

HONORARY MEMBERSHIP — Edward G. Nawy (see page 7)

HONORARY MEMBERSHIP — Ramesh N. Raikar (see page 8)

HONORARY MEMBERSHIP — James M. Shilstone, Sr. (see page 9)

FELLOWS

Wayne S. Adaska is Director of Public Works for the Portland Cement Association (PCA). He has been with the association for 25 years serving in the Marketing Department as Water Resources Engineer and Senior Transportation Engineer and Manager, Water and Waste Facilities Department. Prior to joining PCA, he held geotechnical engineering positions for two engineering consulting firms.

As a founding member and former Chair of ACI Committee 229, Controlled Low-Strength Materials and 230, Soil Cement, Adaska was instrumental in the preparation of the initial committee state-of-the-art reports. He is also a member of ACI Committee 325, Concrete Pavements.

He also serves as Chair of ASTM Committee C 09.45, Roller-Compacted Concrete, has served on the Executive Committee of ASTM Committee D 18, Soil and Rock, and was a former Chair of ASTM Committee D 18.15, Stabilization with Admixtures.

He has written several papers and articles and lectured extensively on soil cement, roller-compacted concrete, subsurface slurry walls, solidification/stabilization of wastes, and controlled low-strength material. He has been a leader in the advancement and education of new cement-using materials for the concrete industry.

Adaska received a BS in civil engineering from the University of Illinois and is a licensed professional engineer in the state of Illinois.

Robert B. Anderson has been a licensed professional engineer for 35 years and is President of Anderson Engineers, LLC, New Orleans, LA, which specializes in residential and industrial floor design and investigation.

He is currently Vice Chair of ACI Committee 360, Design of Slabs on Ground, and is also a member of ACI Committees 302, Construction of Concrete Floors, and 332, Residential Concrete Work.

An early pioneer in prestressed post-tensioned concrete, Anderson has authored many articles on post-tensioned slabs-on-ground and is co-author of *Designing Floor Slabs on Ground* with Boyd Ringo, P.E., FACI.

Anderson received his bachelor's and master's degrees in civil engineering from Tulane University.

Vartan Babakhanian is currently employed with Hanson Aggregates & Pipe where he has served as Technical Services Manager for the past 21

Award Recipient Biographies

years. He worked for National Supply Co. ARMCO, Inc., in Gainesville, TX, as an associate design engineer for 2 years before joining Hanson PLC, formerly Gifford-Hill.

Babakhanian joined the ACI Northeast Texas Chapter in 1983 and the American Concrete Institute in 1984. Babakhanian served as President of the ACI Northeast Texas Chapter in 1998. Prior to that he had been a Director for the Chapter since 1989. Babakhanian is a member of ACI Committees C 610, Field Technician Certification, and E 801, Student Activities. Babakhanian has been Chair of the Certification Committee in Northeast Texas for the last 12 years and has been a member for 20 years. He is also the Certification Chair and Examiner for the local ACI Chapter for the Concrete Technicians program. In 1996, Babakhanian received the ACI Northeast Texas Chapter's Sophus Thompson Award for Significant Contributions in Concrete Technology.

Babakhanian has taught the short course for the American Concrete Pipe Association (ACPA), and has been a proctor for the National Institute for Certification in Engineering Technologies (NICET) for the last 6 years. He has also served on the Specification Committee for the Texas Aggregates & Concrete Association (TACA) for the last 15 years. In 2000, he received the Steward of the Year award for teaching and serving the Armenian Church of Dallas Fort-Worth for the last 25 years.

In 1979, Babakhanian received his associate's degree in science from Cooke County College in Gainesville, TX. He received his BS in civil engineering from the University of Texas at Arlington, TX, in 1980, and he became a Certified Concrete Technologist in 1984 through the National Ready Mixed Concrete Association. He is a registered professional engineer in the state of Texas.

Maher A. M. Bader is a faculty member in the Civil Engineering Department at King Fahd University of Petroleum and Minerals, Dharhnan, Saudi Arabia, where he is currently Manager of the Applied Research Marketing Unit of the Research Institute at the university. He previously held the position of manager of the Engineering Analysis Section at the Center for Engineering Research. He is also an advisor and part owner of Saudi Al-Amar Company for Trading & Industry, specializing in construction industry accessories.

Bader is active in the ACI Saudi Arabia Chapters; he is currently Vice President of the ACI Saudi Arabia Chapter and the President of the ACI Saudi Arabian Eastern Province Chapter. He is the author of more than 10 research papers published in refereed journals/proceedings and has participated in the writing of numerous technical research reports. Bader is currently working on client-funded research projects in the areas of long-term concrete durability monitoring, grid-connected wind farm design, pipeline thrust anchor design, and special cements and repair materials.

Award Recipient Biographies

Bader is a supporter of the ACI certification programs, and is certified as a Field Testing Technician Grade 1 in an effort to support the implementation of a certification program in Saudi Arabia. He is also a member of the Saudi Arabian Standards Organization committee on the development of the Saudi Arabian Building Code. His research interests include structures, reinforced concrete, precast concrete, concrete durability, concrete admixtures, and earthquake engineering.

Bader received his MSc, Engineer, and PhD degrees in civil engineering from Stanford University in 1974, 1976, and 1980, respectively. He received his BS in civil engineering in 1972 from King Fahd University of Petroleum and Minerals.

Shrinivas B. Bhidé is Manager of the Bridge Program at the Portland Cement Association (PCA), Skokie, IL. He has more than 15 years of experience in the design of buildings and bridges.

An ACI member for more than 20 years, Bhidé is a member of ACI Committee 365, Service Life Prediction. In 1991, he received ACI's Wason Medal for Most Meritorious Paper. He also serves on technical committees of the Transportation Research Board (TRB), the Precast/Prestressed Concrete Institute (PCI), and the Post-Tensioning Institute (PTI). He also received the U.S. Army Corps of Engineers' Designer of the Year Award in 1996.

He is Chair of the National Concrete Bridge Council (NCBC), a council of 11 allied organizations dedicated to the promotion of concrete bridges. In addition, he serves on the Editorial Committee of the bimonthly newsletter *HPC Bridge Views*, published by the Federal Highway Administration and NCBC.

Bhidé is a graduate of the Indian Institute of Technology, Mumbai, India, and holds a master's and PhD in structural engineering from the University of Toronto. He is also a registered structural and professional engineer in several states.

Edwin G. Burdette is Professor of Civil Engineering at the University of Tennessee, Knoxville, TN. He has been a full professor since 1974, and, in 1981, he was named the Fred N. Peebles Professor of Civil Engineering, a title he currently holds. Burdette has been active in concrete research since the early 1970s. He was one of the pioneers in the testing of anchors to concrete, conducting tests in this area in the 1970s and early 1980s for the Tennessee Valley Authority and various anchor manufacturers—work that played a role in the development of Appendix B of the ACI 349 Code. Burdette has taught courses in concrete, reinforced and prestressed, since his return to the University of Tennessee after receiving his PhD.

Burdette is a member of ACI Committees 349, Concrete Nuclear Structures, and 355, Anchorage to Concrete.

Award Recipient Biographies

Burdette's career at the University of Tennessee has been distinguished by a number of teaching and research awards. In 1990-1991, he was named University Macebearer, the highest honor given to a faculty member at the University of Tennessee, and, in 1994, a scholarship in his name was established by his former students.

He received his BS and MS from the University of Tennessee and his PhD in civil engineering from the University of Illinois in 1969, where he studied under the direction of Dr. Hubert Hilsdorf.

Tsung-Li T. Chen, an ACI member since 1987, currently serves as President of the ACI Taiwan Chapter and was Vice President of the chapter from 1996-2000. He is President of Amoeba Consulting Engineering Co. Ltd., Taipei, Taiwan, and is a leading expert in concrete building construction/management and concrete repair and rehabilitation in Taiwan. He studied architectural engineering at the National Cheng Kung University from 1965-1969.

Chen has served from 1988 to the present on the Architectural Technologies Review Committee of the Taiwan Interior Department. He participates in several other associations, including the American Rock Mechanics Association, the American Society of Civil Engineers, the American Welding Society, the Construction Specifications Institute, the Deep Foundation Institute, and the Japan Society of Civil Engineers.

Mohamed Nasser A. N. Darwish is Professor of Structural Engineering of the Faculty of Engineering, Alexandria University, Alexandria, Egypt, where he has been a faculty member since 1977. He is also Principal of Darwish Consulting Office, a registered consulting office, and a practicing professional civil engineer, designer, and structural consultant with 20 years of practical experience. He is also a registered licensed Engineering Insurance Inspection Expert and a registered Arbitrator.

An ACI member since 1984, Darwish is currently a member of ACI Committee 325, Concrete Pavements, and is a former member of ACI's International Activities Committee and ACI's Chapter Activities Committee. He founded ACI's Egypt Chapter in 1989, and is the organizing Chair.

Darwish is also a member of ASCE, the Egyptian Society of Engineers, and Founder and General Secretary of the Egyptian Concrete Society. In addition, he is a member of several engineering committees, including the Egyptian Code Committee for Advanced Composite Materials Structural Applications, Co-Chair of the Egyptian Code Subcommittee on FRP Bars in Concrete Structures, a member of the Egyptian Code Subcommittee on Strengthening Using FRP, and a technical reviewer for several journals, conferences, and selection committees. In 1995, he received the Alexandria University Scientific Encouragement Award.

Award Recipient Biographies

He has published more than 150 technical reports on buildings, structures, and construction projects and approximately 45 technical research and scientific papers locally and internationally dealing with concrete pavements, slabs on grade, high-strength concrete, code provisions, repair and rehabilitation of structures, and FRP applications.

Darwish received his PhD from Cornell University, Ithaca, N.Y., and his BSc and MSc from Alexandria University.

Boris Z. Dragunsky is the Founder and Principal of Universal Construction Testing, Ltd., a consulting/testing firm established in 1983 in the Chicago area. He has over 35 years of worldwide experience, and is the author of numerous papers and major reports in the areas of nondestructive testing, quality control, and structural evaluation. He dedicates a significant amount of time to education in concrete technology and to the implementation of new developments in every-day practice.

Dragunsky has been a member of ACI since 1980, and is a member of ACI Committees 223, Shrinkage-Compensating Concrete; 228, Nondestructive Testing; 362, Parking Structures; and 364, Rehabilitation. Dragunsky served as Chair and moderator of numerous technical sessions at ACI conventions and previously has served as a Director of the ACI Midwest Chapter. He is also a member of ASTM International and the International Concrete Repair Institute (ICRI).

He holds a master's degree and a doctorate in civil engineering and concrete technology.

Kevin J. Folliard has been an Assistant Professor, Department of Civil Engineering, at the University of Texas at Austin since 1999. Prior to that, he was an Assistant Professor at the University of Delaware for 2 years, and also served as Senior Research Engineer with W.R. Grace in Cambridge, MA.

An ACI member, Folliard is Secretary of ACI Committee 201, Durability of Concrete, and a member of ACI Committees 229, Controlled Low-Strength Materials; 236, Material Science of Concrete; 544, Fiber-Reinforced Concrete; and the Publications Committee. In 2001, he received the ACI Young Member Award for Professional Achievement. He has also received the Ervin S. Perry Student Appreciation Award from the University of Texas at Austin in 2001, 2002, and 2003. In 1999, he received the Outstanding Faculty Member Award from the American Society of Civil Engineers (ASCE) Student Chapter at the University of Delaware. In 1996, Folliard received the W.R. Grace Vision Award and Research Recognition Award.

Folliard has been involved in concrete materials research for more than 13 years. His main area of interest is concrete durability, including alkali-silica reaction, delayed ettringite formation, and sulfate attack. He has participated in various research projects for organizations, including the National Cooperative Highway Research Program (NCHRP), the Federal

Award Recipient Biographies

Highway Administration (FHWA), the National Science Foundation (NSF), and state Departments of Transportation (DOTs).

While pursuing his PhD, Folliard co-founded the ACI Student Chapter at Berkeley. In 2001, he founded the ACI Student Chapter at the University of Texas at Austin and currently serves as the Faculty Advisor. Folliard is also a member of the Board of Directors of the ACI Central Texas Chapter.

Folliard received his PhD in civil engineering in 1995 from the University of California at Berkeley.

Hector Gallegos is President of Gallegos Casabonne Arango Engineers, Lima, Peru, and is a Professional Engineer. He has served as a technical advisor of several public and private institutions in the fields of engineering, ethics, and concrete development.

A member of ACI for over 40 years, he is a founding member of the ACI Peru Chapter. He is also President of the Peruvian Academy of Engineering and a member of the Argentine National Academy.

His work in concrete has encompassed professor, designer, and investigator. Among his most notable accomplishments in concrete advancement are introducing continuous—hyperstatic—prestressed concrete in Peruvian bridges and buildings, designing prestressed concrete railroad ties (which are still used in all major Peruvian railroads), and being involved in the construction of all major buildings, bridges, and port structures in Peru. He received his master's degree in civil engineering from Universidad Nacional de Ingenieria (UNI), Lima, Peru.

Daniel J. Green is Technical Service Manager for the National Cement Company of Alabama, Inc., Birmingham, AL, where he has been employed for more than 12 years. His 29 years of service in the concrete industry began in 1975 with the Tennessee Valley Authority, Division of Construction. Since that time, his efforts have been focused on construction inspection, quality assurance and control, technical service activities, industry education, and management. His areas of specialty include concrete and masonry construction, construction materials testing, ready mixed concrete, concrete masonry, and portland cement.

Green is a member of ACI Committees 229, Controlled Low-Strength Materials; 304, Measuring, Mixing Transporting, and Placing Concrete; and 325, Concrete Pavements.

In addition, he is a member of the ACI Georgia Chapter and the ACI Central Alabama Chapter, where he played an integral part in revitalizing the chapter. He initiated, developed, and chairs the Academic Scholarship Committee, serves on the Certification Committee, and initiated and was Chair of the Awards Competition Program Committee for 3 years. He is also a former member of the ACI Florida Suncoast Chapter, where he served as Treasurer and a member of the Board of Directors. In addition,

Award Recipient Biographies

he is a certified instructor for the ACI Concrete Flatwork Certification Program, and is active with the local ACI Field Testing Technician Certification courses.

Green is also a member of ASTM Committees C01, Cement; and C12, Mortar; the Alabama Concrete Industries Association; the Georgia Concrete and Products Association; and is a former member of the PCA Masonry Technical Committee.

In 2000, he received the Central Alabama Chapter's Service and Leadership Award and in 1989, he received the Appreciation Certificate for Dedication and Commitment to Continuing Education from the ACI Florida Suncoast Chapter. In 1996, he received the 1996 National Cement Outstanding Performance Award.

Green received his BS in civil engineering technology from the Central New England College of Technology, Worcester, MA, in 1974.

Roger Green is Professor Emeritus, Civil Engineering, University of Waterloo, Waterloo, Ontario, Canada. He has taught courses in design and has served on code-writing committees for the Ontario Ministry of Transportation, CSA, and ACI, as well as NCHRP committees. He consulted on several major structures where distress was perceived. For the MTO Code Committees, he served on the vibrations, miscellaneous loads, loads, analysis, and foundations committees during the development of the various CHBDC editions.

Green is a Fellow of ACI and a member of ACI Committee 342, Evaluation of Concrete Bridges and Bridge Elements, and Joint ACI-ASCE Committee 441, Reinforced Concrete Columns. He is also a Fellow of the Canadian Society for Civil Engineering (CSCE). His research interests include reinforced concrete columns in frames and also under sustained loads, soil-structure interaction, bridge evaluation, and thermal stress analysis.

Green holds degrees in civil engineering and mathematics.

Bilal S. Hamad is a Professor of Civil Engineering in the Department of Civil and Environmental Engineering at the American University of Beirut (AUB), Lebanon. He has been at AUB since he received his PhD in 1990. Prior to 1988, and in addition to teaching at AUB on a part-time basis, he was active in the design and construction of reinforced concrete and steel structures.

Hamad is a member of ACI Committees 408, Bond and Development of Reinforcement; an associate member of ACI Committee 364, Rehabilitation; and a member of the International Publications/Website Committee. He is a founding and current member on the managing board of the ACI Lebanon Chapter, and is also a member of ASCE and IABSE.

Hamad has more than 25 years of experience as a consultant in the fields of design of reinforced concrete structures, assessment and

strengthening of reinforced concrete structures, and concrete technology. He has designed several commercial, educational, recreational, and residential projects in Lebanon, Saudi Arabia, and other Arab Gulf countries, including the Olympic Stadium in Saida, South Lebanon, and the Conference Center in the new Lebanese University campus. He has been playing a significant role in Lebanon to promote concrete quality and to enforce international standards, specifications, and general safety rules in the design and construction of reinforced concrete structures.

He has published more than 50 documents, including reports, peer-reviewed journal papers, and peer-reviewed papers in proceedings of international and regional conferences, and was a co-recipient of the ACI Structural Research Award in 1995.

He received his BE from AUB in 1976, and his MS and PhD from the University of Texas at Austin in 1979 and 1990, respectively.

H. R. "Trey" Hamilton, III, is an Associate Professor of Civil Engineering in the Department of Civil and Coastal Engineering at the University of Florida, Gainesville, FL. Hamilton's teaching and research interests include structural behavior and durability of masonry and concrete structures. He began his career as a consulting engineer in the industry before moving into teaching and conducting research in civil engineering. Before joining the faculty at the University of Florida in 2001, he was an associate professor of civil engineering at the University of Wyoming for 6 years.

Hamilton is a member of ACI Committee 222, Corrosion of Metals in Concrete; Joint ACI-ASCE Committee 423, Prestressed Concrete; and Joint ACI-ASCE-TMS Committees 530, Masonry Standards, and 530-V, Veneer/Glass Block/Empirical. He was the co-recipient of ASCE's J. James Croes Medal in 1999 and co-recipient of the ASTM Committee C 15 Alan H. Yorkdale Memorial Award in 2001.

Hamilton received his BSCE and ME from the University of Florida in 1983 and 1986, respectively. He received his PhD from the University of Texas at Austin in 1995.

Charles S. Hanskat is Manager of Business Development for D/N Thermal Energy Systems, a design/build firm specializing in circular prestressed thermal energy storage tanks, located near San Diego, CA. He is a licensed professional engineer in 17 states. Hanskat has been involved the design, construction, and evaluation of concrete structures for nearly 33 years. Before moving to California in 1997, he spent 25 years with two firms located in North Central Florida.

He is a founding and current member of ACI Committees 371, Concrete Pedestal Water Towers; 372, Circular Concrete Structures Prestressed by Wrapping with Wire or Strand; and 373, Circular Concrete Structures Prestressed with Circumferential Tendons, serves on ACI's Technical

Award Recipient Biographies

Activities Committee (TAC), the Internet Advisory Committee, and ACI Committee 350, Environmental Engineering Concrete Structures, and is a former member of ACI Committee 344, Circular Prestressed Concrete Structures. He received national recognition from ACI with the Delmar L. Bloem Distinguished Service Award in 2001.

Hanskat has been active in professional and technical engineering societies since engineering school. His service to the American Society of Civil Engineers (ASCE), the National Society of Professional Engineers (NSPE), and the Florida Engineering Society (FES) in more than 50 committee and officer positions at the national, state, and local level was highlighted when he served as state president of FES and then as a national director of NSPE. He served as a District Director for Tau Beta Pi for 25 years, from 1977 to 2002.

For his dedication and service to the engineering profession, he was named the Young Engineer of the Year by FES and Engineer of the Year by the Florida Section of ASCE, and was awarded the Edmund Friedman Young Engineer of the Year award from ASCE and Tau Beta Pi's Distinguished Service Award.

He holds a bachelor's and master's degree in civil engineering from the University of Florida.

G. Terry Harris, Sr., is Regional Technical Services Manager for W.R. Grace & Co., where he has worked for 6 years. He has been in the concrete industry for 22 years, holding technical service positions with Florida Mining and Materials in Jacksonville, FL; Angelle Concrete in Jennings, LA; and Varmicon Industries in Harlingen, TX.

Harris is a member of ACI Committees 211, Proportioning Concrete Mixtures; 212, Chemical Admixtures; 224, Cracking; 229, Controlled Low-Strength Materials; 232, Fly Ash and Natural Pozzolans in Concrete; 305, Hot Weather Concreting; C 620, Laboratory Technician Certification; and the Certification Programs Committee (CPC). Harris is former Chair of ACI Committee C 620 and a former member of the Chapter Activities Committee (CAC).

Harris received his associate's degree in concrete technology from Daytona Beach Community College, Daytona Beach, FL.

L S. "Paul" Johal has been Director of Research and Development at the Precast/Prestressed Concrete Institute (PCI), Chicago, IL, for the past 13 years. Prior to joining PCI, he was employed at Walker Parking Consultants for more than 3 years, and he worked at Construction Technology Laboratories (CTL) of the Portland Cement Association (PCA) for 11 years.

Johal is a member of ACI Committees 123, Research and Current Developments; 318-B, Reinforcement and Development; 440, Fiber Reinforced Polymer Reinforcement; and ACI's Concrete Research Council

Award Recipient Biographies

(CRC). He is also a member of Joint ACI-ASCE Committees 423, Prestressed Concrete, and 550, Precast Concrete Structures. He is also a member of the American Society of Civil Engineers (ASCE), ASTM International, and the International Code Council (ICC).

He has won several awards, including PCI's Martin P. Korn Award, and has authored or coauthored more than 50 papers and reports related to the structural research, design, testing, and the evaluation of concrete and masonry structures.

Johal has a BS in civil engineering from Punjab University, India, an MS in structural engineering and mechanics from the University of Washington, Seattle, WA, and completed the course work for a PhD in structural engineering at the University of Illinois, Chicago, Ill. He is also a registered professional engineer.

Ali R. Khaloo is Professor of Civil Engineering, Sharif University of Technology, Tehran, Iran, where he has been a faculty member for 16 years.

An ACI member for approximately 20 years, he is a former Vice President and current President of ACI's Iran Chapter; the chapter received the Outstanding Award in 2000 and the Excellent Award in 2001 and 2002. He has served on the organizing committee for several national seminars sponsored by the chapter, initiated a local ACI 318 Committee, and he has been involved in continuing education in concrete, promoting and administering the chapter's Field Technician Certification Program. He participated in the ACI chapter roundtable meetings in Abu Dhabi and Seoul in 2000. He is a founder of the Iranian Concrete Institute and several other organizations.

He has published over 160 research and technical papers related to concrete structures and materials and has received numerous awards for teaching and research excellence at the university. He has also been a structural design and materials consultant on several major concrete projects, including the Milad Tower (the fourth tallest structure in the world).

Khaloo received his BSCE from the University of Texas at Arlington, TX, his MSCE from West Virginia University, Morgantown, WV, and his PhD from North Carolina State University, Raleigh, NC.

Jeri A. Kolodziej is the Manager of Governance Support at the American Concrete Institute (ACI) in Farmington Hills, MI. She joined ACI in 1990 as Executive Assistant to the Executive Vice President/CEO. In 2000, she was promoted to her current position where she serves as the Staff Liaison to the Executive Committee, Board of Direction, Committee on Nominations, as well as all of ACI's honors and awards committees for which she also administers the various programs. She played an integral part in creating, executing, and streamlining the processes for the honors and awards committees, in developing committee procedures and operating guidelines.

Award Recipient Biographies

Daniel Kuchma has been an Assistant Professor for the past 6 years at the University of Illinois, where he is actively engaged in several research projects, most notably two projects from the National Cooperative Highway Research Program.

An ACI member since 1989, Kuchma is a member of ACI Subcommittees 318-E, Shear and Torsion; 445-A, Strut and Tie; 445-F, Beam Shear; and Joint ACI-ASCE Committee 445, Shear and Torsion. He is also a former member of the ACI 318-E Task Group on High-Strength Concrete.

Most recently, he is overseeing the development of a new large-scale testing facility at the University of Illinois for the Network of Earthquake Engineering Simulation (NEES) Program. Once this \$3 million facility is complete, it will be used over the next 10 years for research aimed at developing a better understanding of the response of structures to seismic actions. Kuchma has received a CAREER Award from the National Sciences Foundation (NSF) for developing tools for the design and analysis of structural concrete using the strut-and-tie method.

Kuchma received his PhD from the University of Toronto in 1996.

Kenneth M. Lozen is a Project Consultant and Associate at NTH Consultants, Ltd., Farmington Hills, MI. He has planned, conducted, and managed concrete material/deterioration/failure evaluations and the engineering, design, and construction of concrete repairs at numerous structures for over 20 years.

An ACI member since 1985, Lozen is a member of ACI Committees 228, Nondestructive Testing of Concrete; 546, Repair of Concrete; and E 706, Repair Application Procedures. He is active in the ACI Greater Michigan Chapter where he has held several board positions including Director from 1986 to 1989, President in 1990 and 1991, and Treasurer from 1992 to present. He also serves as Educational Seminar Chair for the Chapter and was Co-Chair for the ACI Spring 2002 Convention in Detroit.

He has published several articles and has been a speaker for technical organizations on various concrete/evaluation/repair and nondestructive testing subjects. He has received Awards of Merit for "Concrete Nondestructive Test—Comerica Operation Center" and "Development of In-Place Testing of Bond in Concrete" from the Consulting Engineers Council of Michigan (CEC).

Lozen is also active in the International Concrete Repair Institute (ICRI) where he is a Fellow and charter member, held the office of Treasurer from 1988 through 1994 and Director from 1996 to 2000, and served as a member of the Technical Activities Committee and several technical and board committees.

Lozen received his BS in civil engineering from the University of Detroit in 1980.

Award Recipient Biographies

Kevin A. MacDonald is Vice President, Engineering Services, at Cemstone in St. Paul/Minneapolis, MN, where he is responsible for the technical aspects of concrete, product development, and technology transfer. Previously, MacDonald was Senior Principal Engineer at Braun Interec Corp. in Minneapolis. Prior to moving to the United States, he held various engineering positions at Jacques, Whitford Ltd. and Trow Consulting Engineers.

MacDonald is Chair of ACI Committee 223, Shrinkage-Compensating Concrete, Vice-Chair of ACI Committee 306, Cold Weather Concreting, and a member of ACI Committee C 620, Laboratory Technician Certification. In addition, MacDonald also served as President, Vice President, and Education Coordinator for ACI's Minnesota Chapter. In 2001, he received ACI's Young Member Award for Professional Achievement. In addition, he has been actively involved in the certification process in Minnesota and Ontario and is a regular speaker at technical meetings. He has also published a number of papers dealing with the durability of concrete and the practical aspects of the production of high-performance concrete.

MacDonald received a baccalaureate degree in chemical engineering and an MS and Doctor of Philosophy in engineering materials from the University of Windsor, Ontario, Canada. He was awarded the University of Windsor Board of Governor's Medal for highest standing in class, as well as the Chemical Institute of Canada's Silver Medal for academic achievement. He is a licensed professional engineer in Minnesota and Ontario, Canada.

Ross S. Martin is President of Ross Martin Consultants, Inc., based in Naples, FL. He has more than 40 years of experience in concrete installation and production.

Martin was previously employed as Vice-President of Engineering and Technical Services at Baker Concrete Construction of Monroe, OH, a nationwide concrete contractor, where he worked for 20 years; and he was Director of Engineering with Reading Central Mix and Hilltop Basic Resources, both major ready mix producers in the Cincinnati, OH, area for 7 years. Prior to that, he was employed at General Portland Inc.; the Indiana Concrete Council; and for 8 years in the United States and Canada, the Portland Cement Association. In addition, he has worked for engineering and contracting companies in Canada, England, and Australia.

Martin is a member of ACI Committees 117, Tolerances; 212, Chemical Admixtures; and 301, Specifications for Concrete; and an associate member of ACI Committee 302, Construction of Concrete Floors.

He has been a speaker throughout the U.S. at ACI meetings, the Ready Mixed Concrete Association, the World of Concrete, and various universities. He was also involved in the introduction of high-range water-reducing admixtures in ready mix concrete production, the F-number system for the measurement of floor surface profile, and the predictable pumping of

Award Recipient Biographies

structural lightweight aggregate concrete.

Martin received his Bachelor of Engineering degree from the University of Sydney, Australia. He is a registered professional engineer.

Bruno Massicotte joined Ecole Polytechnique de Montreal, Quebec, Canada, in 1990 as Professor of Civil Engineering. He teaches reinforced concrete design courses at the undergraduate and graduate levels and a course on bridge design and evaluation.

Massicotte is a member of ACI Committees 342, Bridge Evaluation; 544, Fiber Reinforced Concrete; and the ACI Scholarship Council. He is also a member of the Board of Directors of the Quebec and Eastern Ontario ACI Chapter. His research interests include bridges, the structural use of steel fiber concrete, and the numerical modeling of reinforced concrete structures.

Massicotte received his baccalaureate degree in civil engineering and his master's degree in structural engineering from Laval University, Quebec City, in 1982 and 1984, respectively. In 1988, he received his doctorate in structural engineering from the University of Alberta, Edmonton, Alberta, Canada.

Yi-Lung Mo joined the faculty of the University of Houston as Professor of Civil Engineering in 2000. He was formerly Professor of Civil Engineering at National Cheng Kung University, Tainan, Taiwan, and Head of the Fundamental Research Division at the National Center for Research on Earthquake Engineering.

Mo is a member of ACI Committees 335, Composite and Hybrid Structures; 341, Earthquake-Resistant Concrete Bridges; 369, Seismic Repair and Rehabilitation; 374, Performance-Based Seismic Design of Concrete Buildings; 444, Experimental Analysis for Concrete Structures; E 803, Faculty Network Coordinating Committee; and Joint ACI-ASCE Committees 423, Prestressed Concrete, and 445, Shear and Torsion.

Mo is the author of the book *Dynamic Behavior of Concrete Structures*. He has also written a chapter entitled "Reinforced Concrete Structures" in the *Earthquake Engineering Handbook*; he co-edited ACI SP-211, *Large-Scale Structural Testing*; and he has had more than 90 technical papers published in national and international journals, and published 75 conference papers and 40 technical reports. In recognition of his activities, he received the Alexander von Humboldt Research Fellow Award from Germany in 1995 and the Distinguished Research Award from the National Science Council of Taiwan in 1999.

He received his PhD in structural engineering from the University of Hannover, Hannover, Germany, in 1982 and has more than 20 years of experience in studies of reinforced and prestressed concrete structures.

Award Recipient Biographies

Richard S. Orr is a Consulting Engineer with Westinghouse Electric Company. He was educated at Cambridge University and after 4 years of experience in England joined Westinghouse where he has been responsible for the analysis, design, and licensing of structures associated with nuclear power plants for the last 36 years. He is currently responsible for the structural design and licensing of the Westinghouse advanced pressurized water reactor nuclear plant (AP1000). He previously had similar responsibility for the AP600, which received Design Certification from the Nuclear Regulatory Commission in 1998, and for the floating nuclear plant that received a Manufacturing Permit in 1979. He has developed and supervised design work for all nuclear power plant structures, and has participated in the planning of fabrication and construction for these structures. He has developed methodology and criteria in specialized areas of expertise including concrete-filled steel plate structures, steel containment vessels, containment shell buckling, missile barrier design, steel and concrete turbine support design, seismic and other dynamic analyses, and soil structure interaction seismic analyses.

Orr is a member of ACI Committee 349, Concrete Nuclear Structures, and is the only member still active from the original committee membership when the committee was reconstituted in 1973; he was Chair from 1977 to 1981. He has been Chair of the subcommittee on anchorage for 18 years culminating in the major revision of Appendix B to incorporate the Concrete Capacity Design Method in the 2001 edition of the ACI 349 Code. He has received the ACI Delmar L. Bloem Award twice, once in 1982 for chairing the full ACI 349 Committee and again in 2003 for chairing the anchorage subcommittee. Orr is also a member of ACI Committee 355, Anchorage to Concrete. He is a former member of Joint ACI-ASME Committee 359, Concrete Components for Nuclear Reactors.

Orr is a Registered Professional Engineer in Florida and was previously a member of the Institution of Civil Engineers in England.

Jay H. Paul, S.E., P.E., has more than 37 years of experience in the evaluation, design, and repair of environmental structures, parking facilities, and building facades, as well as roofs and foundations. He serves as Executive Vice President of Klein and Hoffman, Inc. (K&H), Chicago, IL.

Paul is a member of the ACI TAC Repair and Rehabilitation Committee and ACI Committees 515, Protective Systems for Concrete, and E 706, Repair Application Procedures. He is also Chair of ACI Committee 546, Repair of Concrete.

During the course of his career, Paul has published many articles on concrete testing and repair and continues to share his expertise through membership in numerous professional organizations. Along with ACI, he belongs to: the International Concrete Repair Institute (ICRI); the American Society of Civil Engineers (ASCE); the Institutional and Municipal Parking

Award Recipient Biographies

Congress; and the Chicago High-Rise Building Committee. In 2002, he was elected President of the Structural Engineers Association of Illinois (SEAOI). An active member of the architecture, engineering, and construction (A/E/C) community, he was a member of the Mayor of Chicago's committee to rewrite the Building Code of Chicago; he wrote the chapter on masonry and assisted in writing the chapter on concrete. He was also a member of the committee to draft a façade ordinance for the City of Chicago and the committee to advise the University of Illinois Department of Architecture to improve the Architectural Engineering curriculum. Paul remains one of the firm's principal visionaries, directing K&H's technical capabilities in structural and restoration engineering to accommodate the ever-changing building requirements of the A/E/C industry.

Paul received his BS and his master's degree in architectural engineering from the University of Illinois.

Stephen P. Pessiki is an Associate Professor of Structural Engineering at Lehigh University, which he joined in 1990. His teaching and research activities include the behavior and design of reinforced and prestressed concrete structures, nondestructive evaluation of structures, and high-performance materials.

Pessiki is Chair of ACI Committee 437, Strength Evaluation of Existing Concrete Structures, and is a member of the Board of Direction of the ACI Delaware Valley Chapter. He is a member of ACI Committees 228, Nondestructive Testing of Concrete; 363, High-Strength Concrete; 440, Fiber Reinforced Polymer Reinforcement; and E 803, Faculty Network Coordinating Committee. He is also a member of the PCI Technical Activities Committee and the Industry Handbook Committee. Pessiki was the recipient of the PCI Distinguished Educator Award in 2002.

Pessiki received his undergraduate degree from Drexel University and his graduate degrees from Cornell University.

William F. Rossi is Manager of Technical Service for G.C.C. Dacotah Cement Co. of Rapid City, SD, where he is responsible for technical assistance, as well as seminars and educational programs for customers, concrete contractors, architects, engineers, and municipalities. He has worked in the cement industry for more than 20 years.

An ACI member, Rossi is a member and past Chair of ACI Committee C 610, Field Technician Certification, and a member of ACI Committees C 630, Construction Inspector Certification; C 630-T, Concrete Transportation Construction Inspector Certification; and C 640, Craftsman Certification. He also served on the ACI Certification Programs Committee (CPC) for several years.

He is a member of the ACI Rocky Mountain Chapter, where he participates

Award Recipient Biographies

in several certification programs. He received an award for 20 years of service to the certification programs in the Rocky Mountain Region and also presents workshops and seminars in the Rocky Mountain region. In addition, he received the Robert J. Flory Award for his contributions to the concrete industry.

Rossi received a degree in civil engineering from Drexel University in Philadelphia.

Jean-Claude M. Roumain is a Civil Engineer and Product Manager, formerly Alternate Materials Coordinator, Corporate Manager of Technical Services, New Product Development and Promotion for Holcim (U.S.) Inc. Holcim is one of the largest cement manufacturers in North America.

He is a member of ACI Committee 225, Hydraulic Cements; 232, Fly Ash and Natural Pozzolans in Concrete; 234, Silica Fume in Concrete; and 350, Environmental Engineering Concrete Structures. He is also a member of ACI's Convention Committee, the International Membership Committee, and the Strategic Development Council (SDC).

Other memberships include the Portland Cement Association (PCA) Product and Standard Technology Committee, Performance Standard Subcommittee, and Durability Subcommittee; American Concrete Pavement Association (ACPA); National Ready Mixed Concrete Association (NRMCA), Advisory Council; ASTM International; Board of Directors of the Concrete Innovations Appraisal Service (CIAS); and the Alkali Silica Reactivity Lead State Team of the American Association of State Highway and Transportation Officials (AASHTO).

Roumain has conducted seminars throughout the world on the mechanics of plastic concrete, troubleshooting of concrete problems, high-performance concrete, cement types and their applications, the durability of concrete, and marketing concrete.

Roumain received a BS in civil engineering from the University of Denver and also completed several classes in business law. In addition, he attended the University of Michigan School of Business Administration where he completed New Product Management and Management of Manager's courses.

Stephen J. Seguirant is Director of Engineering for Concrete Technology Corporation (CTC) in Tacoma, WA. He has been with CTC for 24 years and has been in his current position for 11.

Seguirant is currently a member of ACI Committee 318, Structural Concrete Building Code, and has served as a voting subcommittee member of ACI 318 since 1993. He is also a member of several committees of the Precast/Prestressed Concrete Institute (PCI), including Research and Development, Prestressed Concrete Piling, and the Committee on Bridges. He was principal author of Chapter 3 of the PCI Bridge Design

Award Recipient Biographies

Manual, *Fabrication and Construction*, as well as several papers published in the *PCI Journal*. In 1999, Seguirant received the PCI Martin P. Korn Award, and in 2000 he was awarded the American Society of Civil Engineers (ASCE) T.Y. Lin Award for his paper, "New Deep WSDOT Standard Section Extend Spans of Prestressed Concrete Girders," that was published in the July-August 1998 *PCI Journal*.

Seguirant received his BSCE from Saint Martin's College in Lacey, WA, in 1978, and his MSCE from the University of Washington in 1980. He is a registered professional engineer in the state of Washington.

Barendra K. Talukdar is a Senior Structural Engineer with the Shaw Group, a partner of the DCS (Duke Cogema Stone & Webster) Consortium, Charlotte, NC. He joined the Shaw Group in 2002.

Prior to 2002, Talukdar was a Fellow Engineer with Westinghouse Safety Management Solutions (WSMS) LLC, Aiken, SC, a subsidiary of Westinghouse.

Talukdar's professional career has spanned over 30 years, and he has been a member of ACI for more than 25 years. He is a member of ACI Committees 349, Concrete Nuclear Structures; 350, Environmental Engineering Concrete Structures; and 370, Short Duration Dynamic and Vibratory Load Effects. He is also a member of the ACI Georgia Chapter.

Talukdar is a Fellow of ASCE, Past President of the ASCE South Carolina Section, and Chair of the Structural Technical Group of the ASCE/SC Section. He is a life member and Fellow of the Institution of Engineers (India), and has served as a Director of the American Society of Engineers of Indian Origin (AESI). He has received numerous awards from ASCE and AESI, and has authored and presented a number of technical papers at national/international symposiums. He is actively involved in a number of community organizations.

Talukdar received his BCE from Jadavpur University, India, and his MS (structural) from Drexel University, Philadelphia, PA, in 1977. He is a registered Professional Engineer in six states and a Chartered Engineer.

Faisal Fouad Wafa is a Professor of Civil Engineering at King Abdulaziz University, Jeddah, Saudi Arabia, where he has served in different positions for the last 30 years. He has conducted research and has taught in the areas of reinforced and prestressed concrete. He has written numerous research publications.

Wafa is a member of ACI Committee 363, High-Strength Concrete. He is also the President of the Concrete Science Section of the Saudi Uman Society, and he is an honorary member of the Saudi Society of Civil Engineering, where he served as the president of the founding committee. He is also one of the co-founders of the ACI Saudi Arabian Chapter and is the chapter President.

Award Recipient Biographies

Wafa is a member of a national team for establishing specifications and quality control systems for the ready mix concrete production in Saudi Arabia. He has chaired several Saudi engineering scientific and technical committees for many Saudi conferences, and he has served as a technical advisor to many government agencies, construction companies, and consulting offices.

Wafa received his BSc in civil engineering from King Saud University, Saudi Arabia; his MSc in civil engineering from Stanford University; and his PhD in structural engineering from the University of New Mexico in 1974, 1977, and 1981, respectively.

Ronald J. Watson is President of R.J. Watson, Inc., a firm that specializes in the design, manufacture, and testing of components for highway bridge construction. He co-founded the company with his wife, Candy, in 1992. R.J. Watson's premier product is a sliding seismic isolation bearing device on which Watson holds a U.S. patent. This device is designed to protect structures from strong ground motions typically experienced during earthquakes. To date, over 60 bridges around the world have implemented this innovative technology. Previously, he worked for Watson Bowman Associates in Buffalo, NY, where he spent 17 years holding the positions of Research Engineer, Product Manager, Marketing Manager, and Vice President of Sales and Marketing.

Watson began his career with ACI in 1979, joining the newly formed ACI Committee 554, Bearing Systems. He has served as Secretary for ACI Committee 554 for over 10 years and was subsequently nominated as Chair in 1994. Watson has also served as Secretary of ACI Committee 504, Joint Sealing and Bearing Systems, and currently serves as Vice Chair of the committee that recently merged with Committee 554. Watson is also active in ACI Committee 341, Earthquake-Resistant Concrete Bridges, serving as Chair of the Task Group on Joints and Bearings, and 440, Fiber Reinforced Polymer Reinforcement. In 1991, Watson received the Best Paper Award for a technical paper he co-authored during the ACI-sponsored World Congress on Joints and Bearing Systems for Concrete Structures held in Toronto. The paper was entitled "Teflon Disc Bearing and Displacement Control Device Isolation System for Upgrading Seismically Vulnerable Bridges."

In addition to ACI, Watson serves on technical committees in ASTM International, the Transportation Research Board, and the Structural Committee for Economical Fabrication, which is run under the auspices of the Federal Highway Administration.

Watson received his BS in civil/structural engineering in 1978 from the State University of New York at Buffalo.

Min-Hong Zhang is an Associate Professor of Civil Engineering at the National University of Singapore (NUS). Before joining NUS in 2000, she

Award Recipient Biographies

was a Research Scientist at CANMET, Natural Resources Canada.

Zhang is a member of ACI Committees 201, Durability of Concrete; 213, Lightweight Aggregate and Concrete; 232, Fly Ash and Natural Pozzolans in Concrete; 234, Silica Fume in Concrete; and 236, Material Science of Concrete. She has authored or co-authored 25 papers in the *ACI Materials Journal*, *Concrete International*, and ACI special publications, and she has also served as a reviewer for ACI journals. Her research interests include lightweight aggregate concrete, high-performance concrete, and microstructure of composite materials.

Zhang received her BS from Tongji University, Shanghai, China, and her DrIng from the Norwegian University of Science and Technology, Trondheim, Norway. She is a registered professional engineer in Ontario, Canada.

ARTHUR R. ANDERSON AWARD

Clifford L. Freyermuth is President of Clifford L. Freyermuth, Inc., a structural consulting firm that specializes in post-tensioned prestressed concrete buildings and bridges. For the past 15 years, he has served as Manager of the American Segmental Bridge Institute (ASBI).

Freyermuth served as Executive Director of the Post-Tensioning Institute for 12 years, as Director of the Post-Tensioning Division of the Prestressed Concrete Institute for 5 years, as a bridge engineer for the Arizona Highway Department for 6 years, and was with the Portland Cement Association for 6 years.

He is an ACI Fellow and a former member of the ACI Board of Direction. In 1992, he received the ACI Henry C. Turner Medal. He was a member of Joint ACI-ASCE Committee 423, Prestressed Concrete for 32 years, and was a member of ACI Committee 318, Structural Concrete Building Code for 20 years.

Freyermuth is an engineering graduate of the University of Iowa.

ROGER H. CORBETTA CONCRETE CONSTRUCTOR AWARD

Alphonse E. Engelman is CEO of Engelman Construction Inc., Macungie, PA, and President and CEO of Bethlehem Pre-Cast Inc, Bethlehem, PA. A native of Altoona, PA, he has worked in the concrete industry since graduating from the University of Detroit. His first assignment was with the Michigan Department of Transportation as a project engineer in the bridge division. He later worked for Huron Cement and in the late 1960s was promoted to manager of technical service with Allentown Cement and transferred to Allentown, PA.

Engelman is a Fellow of ACI and a member of the Strategic Development Council (SDC), the Construction Liaison Committee (CLC), and ACI Committees 301, Specifications for Concrete; 302, Construction of

Award Recipient Biographies

Concrete Floors; 306, Cold Weather Concreting; 325, Concrete Pavements; 551, Tilt-Up Concrete Construction; and C 650, Tilt-Up Constructor Certification.

Engelman started his own concrete business in Eastern Pennsylvania in 1974, which is now a specialized concrete contractor, receiving national recognition providing super flat floors for Merck Pharmaceutical, Liz Claiborne, and Victaulic, in addition to over 4 million ft² of tilt-up concrete construction. In 1980, he purchased Bethlehem Pre-Cast, which is recognized as the largest perm-entry dealer in the U.S. Recent projects that have used their custom precast concrete are the U.S. Constitution Center in Philadelphia and the Nova Care Complex, the Philadelphia Eagles' training center, also in Philadelphia.

Nationally, Engelman served as President of the American Society of Concrete Contractors (ASCC), and currently serves on the ASCC Board of Directors and the Board of Directors of the Tilt-Up Concrete Association. He is also active in several committees of ASTM International and the National Pre-Cast Concrete Association. His local affiliations include the Concrete Specifications Institute, Associated Builders and Contractors, American Society of Highway Engineers, Lehigh Valley Builders Association, Lehigh Valley Chamber of Commerce, and the Emmaus Optimist Club.

As an active member in the concrete construction industry, Engelman hopes to help build partnerships and closer working relationships with contractors, engineers, and suppliers through realistic expectations, fair contracts, and specifications so that this century will be as exciting, progressive, and innovative as the last.

Engelman received his bachelor's degree in civil engineering from the University of Detroit. He is a registered professional engineer in Pennsylvania and Wisconsin.

JOE W. KELLY AWARD

Sher Ali Mirza is Professor Emeritus of Civil Engineering at Lakehead University, Thunder Bay, Ontario, Canada, where he has been on the faculty since 1980. He accepted voluntary early retirement in 2003 and remains active in research, thesis supervision, and professional service.

He has published extensively and contributed significantly to the understanding of structural concrete behavior. His research on structural safety and frame stability has influenced the structural engineering practice in North America. Both the U.S. and Canadian codes of practice have used the results of his research. In 1985, ASCE republished a collection of papers, which he co-authored, on "Probabilistic Basis for Design Criteria in Reinforced Concrete" (title of the Reinforced Concrete Research Council *Bulletin* No. 22). He is the inventor of the patented Confined Capping System for compressive strength testing of high-strength high-performance concrete and also has used the results

Award Recipient Biographies

of his research on inverted T-girders to develop methods that are widely used in North America for the structural design of bridges using such girders.

Mirza has been a member of ACI Committees 335, Composite and Hybrid Structures since 1994; 340, Design Aids for ACI Building Codes, since 1988, and 408, Bond and Development of Reinforcement; and has been a member of Joint ACI-ASCE Committee 441, Reinforced Concrete Columns since 1985, as well as Chair from 1990 to 1996. In addition, he is also a member of several technical and professional committees of ASCE and the Canadian Society for Civil Engineering. His committee work contributed to the development of many ACI technical reports, special publications, standards, and design handbooks. He has received many honors and awards, including ACI Fellow in 1991 and the ACI Raymond C. Reese Structural Research Award in 1990.

Mirza received his PhD from the University of Texas at Austin in 1974 and acquired several years of industrial experience in addition to postdoctoral work at the University of Alberta before joining Lakehead University.

HENRY L. KENNEDY AWARD

Catherine E. French has been a Professor, Department of Civil Engineering, at the University of Minnesota since 1997, where prior to that, she served as Associate Head, Associate Professor, and Assistant Professor.

An ACI Fellow since 1994, French serves as Chair of the Fellows Nomination Committee. She is also a member of ACI's Honors and Awards Committee and the Membership Committee, and is a member of ACI Committees 318, Structural Concrete Building Code; 318-B, Reinforcement and Development; and 374, Performance-Based Seismic Design of Concrete Buildings. In addition, she has been a member of Joint ACI-ASCE Committees 352, Joints and Connections in Monolithic Concrete Structures, and 445, Shear and Torsion, where she served as Chair from 1999 to 2003 and Secretary from 1993 to 1999.

She is a former member of the ACI Task Group on Committee Structure and the Awards Committee for Structural Research Papers; ACI Committees 368, Earthquake Resisting Concrete Structural Elements and Systems; 374, Performance Based Seismic Design of Concrete Buildings; and 408, Bond and Development of Reinforcement. She has also served as a member of Joint ACI-ASCE Committees 423, Prestressed Concrete; 442, Response of Concrete Buildings to Lateral Forces; and is a former member and Chair of ACI Subcommittee III, National Awards Committee.

French served as a member of ACI's Board of Direction from 1997 to 2001 and was Secretary of ACI's National Convention Planning Committee from 1991 to 1993. In 1991, she was President and served as a Board Member from 1987 to 1991 of the Iowa-Minnesota ACI Chapter and received the Outstanding Chapter Award in 1991.

Award Recipient Biographies

As an industry leader, Pankow innovated numerous state-of-the-art concrete methodologies, including horizontal and vertical slip forming, on-site precasting of architectural and structural building elements, and the integration of automated building systems. Pankow's career included a 40-year, on-time performance record without litigation from building owners.

Notable projects include the 43-story slip-formed concrete Maile Court residential tower in Honolulu, HI, completed in 11 months (145 days ahead of schedule); and the 39-story Paramount project in San Francisco incorporating the innovative precast hybrid moment-resistant frame (PHMRF) system to become the tallest precast concrete frame building in a high seismic zone. The PHMRF technology was developed by a consortium led by Pankow.

An ACI Fellow and Honorary Member, Pankow had a strong and lasting relationship with ACI, dating back to 1954. He was a charter member of the first ACI local chapter to be established in the United States—the Southern California Chapter—in 1957. In addition, he served on the Board of Direction and on many technical and educational committees. Dean Stephan, and Thomas Verti, President of Charles Pankow Builders, are also Fellows of the Institute who served on the Board of Direction and on numerous technical and educational committees. Pankow and Stephan served as ACI President in 1980 and 1995, respectively, and Verti will begin his Vice Presidency in 2004.

Stephan is also an Honorary Member of ACI and both he and Pankow were elected into the National Academy of Engineering. In addition, Pankow received ACI's Roger H. Corbetta Concrete Constructor Award in 1974 and the Henry C. Turner Medal in 1990. Stephan received ACI's Henry L. Kennedy Award in 1992, the Delmar L. Bloem Distinguished Service Award in 1992, and the Roger H. Corbetta Concrete Constructor Award in 2001. Verti received ACI's Roger H. Corbetta Concrete Constructor Award in 1999.

ACI YOUNG MEMBER AWARD FOR PROFESSIONAL ACHIEVEMENT

Alejandro Durán-Herrera is a full-time Professor at the School of Civil Engineering (FIC) of the Universidad Autónoma de Nuevo León (UANL) in San Nicolás de los Garza, NL, México, where he teaches an undergraduate course on concrete technology. He has been working in the Department of Concrete Technology at UANL for 12 years.

An ACI member, Durán-Herrera is a member of ACI Committees C 610, Field Technician Certification; C 630, Construction Inspector Certification; and E 801, Student Activities. He was the founding President of the ACI-FIC-UANL NE México Student Chapter, where, since 1995, he served as co-advisor and led the student members to win many ACI competitions.

Award Recipient Biographies

Since 1996 he has served as Secretary/Treasurer of the NE México Chapter and promoted, organized, and conducted ACI certification programs, conferences, and technical seminars, which lead the NE México Chapter to be recognized as Outstanding Chapter four times in the last 5 years. In addition, in 1998, he won first place for the best research in civil engineering at the 7th Annual Contest on Buildings Cementos Monterrey, organized by CEMEX.

His research interests include high-performance concrete, self-compacting concrete, durability, and repair.

Durán-Herrera received his engineering degree and a master's in environmental engineering from the School of Civil Engineering FIC-UANL, and received his PhD in materials engineering from the School of Mechanical and Electrical Engineering (FIME) at UANL.

Andrea J. Schokker joined the Pennsylvania State University as an Assistant Professor and Henderson Chair of Civil Engineering in the Fall of 1999.

Schokker is Chair of ACI Committee E 803, Faculty Network Coordinating Committee, and is a member of ACI Committees 222, Corrosion of Metals in Concrete; 224, Cracking; 423, Prestressed Concrete; the Chapter Activities Committee; and the Membership Committee.

She received her PhD from the University of Texas at Austin and her MS and BS from Washington University in St. Louis.

WASON MEDAL FOR MOST MERITORIOUS PAPER

Norman L. Scott is the retired Chairman of The Consulting Engineers Group (CEG) Inc., a structural engineering company he founded in 1966 with principal offices in Mt. Prospect, IL, and San Antonio, TX. The company specializes in the design and construction of precast concrete structures. Scott remains a CEG Board member and continues to handle special projects on a part-time basis.

An ACI member since 1960 and Honorary Member since 1994, Scott served as ACI President in 1983. He is a member of ACI's Responsibility in Concrete Construction Committee (RCCC) and was Chair when "Guidelines for Authorities and Responsibilities in Concrete Design and Construction" was published. He is also a member of the ACI TAC Technology Transfer Committee (TTTC); Joint ACI-ASCE Committee 423, Prestressed Concrete; and is Chair of the Innovation Task Group (ITG-1), Precast Moment Resisting Seismic Frames, which has completed the second of two standards, ACI T1.2/T1.2R-03, published in the *2004 ACI Manual of Concrete Practice*. Scott is also generally credited with initiating the ACI Certification Program for Concrete Craftsmen. In 1993, he received the ACI Henry C. Turner Medal.

Scott served in the USAF as an engineering officer, then went to work as an engineer with a Florida construction company that manufactured

precast prestressed concrete components. In 1959, Scott was hired to move the Prestressed Concrete Institute (PCI) from Boca Raton, FL, to Chicago, IL; he headed PCI until 1963 when he joined Wiss, Janney, Elstner and Associates.

Scott is a member of PCI and the Federation Internationale de la Precontrainte (FIP), now the Fédération Internationale du Béton (*fib*). In 1994, Scott received the FIP Medal in recognition of his work. In 1999, he received the PCI Medal of Honor. In addition, the Department of Civil Engineering at the University of Nebraska named him a Distinguished Alumnus in 2000.

Scott received a BS in civil engineering from the University of Nebraska in 1954. He is a registered structural engineer in Illinois, and is a registered professional engineer in Illinois, Florida, Maryland, Minnesota, Virginia, and Texas.

ACI CONSTRUCTION PRACTICE AWARD

Pierre-Claude Aïtcin is Professor Emeritus in the Civil Engineering Department of the Faculty of Engineering at the Université de Sherbrooke, Québec, Canada. He retired from his faculty position on January 1, 2003.

In 1982-1983, Aïtcin was President of the Québec and Eastern Ontario Chapter of ACI. He was elected ACI Fellow in 1988, and in 1995, he received the ACI Arthur R. Anderson Award. He served as a member of ACI Committees 234, Silica Fume in Concrete, and 363, High-Strength Concrete. Aïtcin is also a member of the Canadian Academy of Engineering, and he is the author of the book *High Performance Concrete*, which has also been published in French and Portuguese.

Aïtcin received his PhD from the Université de Toulouse, France, in 1962. From 1989 to 1998, he held an Industrial Chair on concrete technology, and from 1990 to 1998, he was Scientific Director of the Canadian Network of Centres of Excellence on High Performance Concrete.

Gilbert Haddad is Technical Director, Concrete and Materials Engineering, for Terratech, a division of SNC-Lavalin Environment Inc., Montreal, Canada. He is responsible for all consultation, expertise, and quality control services involving concrete technology, construction methods, and related materials required by the various departments of the SNC-Lavalin Group internationally, as well as for external clients for major projects.

A Fellow of ACI, Haddad is a member of ACI Committees 214, Evaluation of Results of Tests Used to Determine the Strength of Concrete; 301, Specifications for Concrete; 301-A, General Requirements; 301-C, Mixtures/Handling/Placing; 306, Cold Weather Concreting; and 308, Curing Concrete. He is also a member of the Canadian Standards Association technical committee for Concrete Materials and Methods of Concrete Construction.

Award Recipient Biographies

He has written a number of technical papers and made numerous presentations on various topics related to concrete.

In the course of over 50 years of his professional career, he has made extensive contributions to the use of concrete and to promote the importance of quality in construction. Before joining the LAVALIN Group in 1973, he successfully held the positions of Head of Quality Control for Miron Company, Ltd., a major cement and concrete producer in Montreal; Senior Concrete Technologist at the research facilities of the Portland Cement Association in Skokie, IL; and Senior Specialist Engineer for materials and construction methods with the Quebec regional office of the Canadian Portland Cement Association in Montreal.

Haddad graduated from the University of Alexandria in Egypt and obtained the title of Doctor in Engineering from the University of Karlsruhe in Germany.

Richard Morin is Head of the Civil Section for the Laboratories of the City of Montreal, Quebec, Canada, and is in charge of quality control for all civil construction works. He directs all quality control activities for the construction and rehabilitation of roads, bridges, tunnels, buildings, and parks in the city of Montreal. He is also involved in the structural evaluation of pavements and expert consultation for civil works and buildings. Before joining the City of Montreal in 1990, he worked for 6 years with a private enterprise involved in consulting and quality control work, and he spent 3 years in Western Africa working on a major project.

He is a member of ACI, as well as a number of CSA and Quebec DOT committees. As a representative of the City of Montreal, he is actively involved with the Center for Interuniversity Researches on Concrete and devotes time to technological transfer in the field of concrete.

Morin received a degree in engineering in 1979 and his master's degree from the University of Sherbrooke, Sherbrooke, Quebec, Canada.

WASON MEDAL FOR MATERIALS RESEARCH

Nicholas J. Carino is a Research Structural Engineer at the National Institute of Standards and Technology (NIST). Prior to joining NIST in 1979, he was an assistant professor at the University of Texas at Austin where he received awards for teaching excellence. At NIST, his research has been in the areas of in-place testing of concrete for strength, nondestructive methods for flaw detection in construction materials, testing high-strength concrete, and curing high-performance concrete. In addition to research, Carino has been involved in various NIST structural investigations. In 1987, he was the project leader in the structural assessment of the new office building of the U.S. Embassy in Moscow and received the Department of Commerce Silver Medal Award for his contributions. He also participated

Award Recipient Biographies

in investigations of the 1981 condominium collapse in Cocoa Beach, FL, and the 1982 highway ramp failure in East Chicago, IN.

A Fellow of ACI, Carino is Past Chair of ACI Committees 306, Cold Weather Concreting; 228, Nondestructive Testing of Concrete; Fellows Nominations Committee; and TAC Specifications Committee. He also served on the ACI Board of Direction and the Technical Activities Committee. He is currently a member of ACI Committees 116, Terminology and Notation; 228, Nondestructive Testing of Concrete; 231, Properties of Concrete at Early Ages; 318, Structural Concrete Building Code; 318-A, General, Concrete, and Construction; 363, High-Strength Concrete; 437, Strength Evaluation of Existing Concrete Structures; TAC Specifications Committee; and the Technology Transfer Committee. He received the ACI Delmar L. Bloem Distinguished Service Award in 1993 for his contributions to ACI Committee 306, and he is a three-time recipient of the ACI Wason Medal for Materials Research (1986, 1991, and 1994). In 1999, he received the Distinguished Chapter Member Award from the ACI National Capital Chapter in recognition of his technical accomplishments.

Carino is also active in ASTM International and currently serves as Chair of Committee C 9 on Concrete and Concrete Aggregates. He is an Honorary Member of C 9, and in 2002 he became an ASTM Fellow by receiving the 2002 ASTM Award of Merit for his leadership, service, and outstanding contributions to Committee C 09. He is also co-editor, with V. M. Malhotra, of the widely used *Handbook on Nondestructive Testing of Concrete* published by CRC Press.

Carino received his undergraduate and graduate degrees in structural engineering from Cornell University.

Long T. Phan is a Research Structural Engineer in the Materials and Construction Research Division of the National Institute of Standards and Technology (NIST) and has been with NIST since 1984.

Phan is Chair of Joint ACI-TMS Committee 216, Fire Resistance and Fire Protection of Structures, and is also a member of fire-related technical committees of ASCE and RILEM. He recently served as a member of ASCE's Building Performance Study team investigating the damage to the Pentagon following the September 11, 2001 attack and subsequently coauthored the ASCE's Pentagon Building Performance Report.

He has conducted research in many areas, including punching shear of lightweight concrete walls, field measurements of structural responses to ambient and strong motion vibrations, fire performance of high-strength concrete, and structural response to fire conditions.

Phan is a graduate of Washington University, St. Louis, MO. He is a Registered Professional Engineer.

Award Recipient Biographies

ACI STRUCTURAL RESEARCH AWARD

James G. MacGregor retired from the University of Alberta, Edmonton, Canada, in 1993 after 33 years of service, including a 3-year term as Chair of the Department of Civil Engineering. He then assumed the title University Professor Emeritus. At the time of his retirement, MacGregor was a Principal in the firm of MKM Engineering Consultants. His last project with the firm was the derivation of site-specification load and resistance factors for the design of the 8-mile long Confederation Bridge linking New Brunswick and Prince Edward Island, Canada.

An ACI member since 1959, he was a member of the ACI Board of Direction from 1973 to 1976 and served as ACI President from 1992 to 1993. He is a consulting member of ACI Committee 318, Structural Concrete Building Code, and Joint ACI-ASCE Committees 441, Reinforced Concrete Columns, and 445, Shear and Torsion. He has also served on the Technical Activities Committees, and is a former Chair of Joint ACI-ASCE Committee 442, Response of Concrete Buildings to Lateral Forces.

MacGregor has received numerous ACI awards, including the Wason Medal for Most Meritorious Paper, 1972 and 1999; the Raymond C. Reese Structural Research Award, 1972; the Delmar L. Bloem Distinguished Service Award, 1975; the Arthur J. Boase Award from the Reinforced Concrete Research Council, 1985; the Joe W. Kelly Award, 1986; and the Structural Research Award, 1988 and 2004. In 1988, he presented the first Phil M. Ferguson Lecture. In 1997, "The Friends of Jim" arranged a full-day technical session in his honor at the ACI Seattle Convention.

MacGregor chaired the Canadian Standards Association Technical Committee on Reinforced Concrete Design from 1977 to 1989, and chaired the Standing Committee on Structural Design for the National Building Code of Canada from 1990 to 1995. He is a long-time member of the Comité Euro-International du Béton, having served as Canadian delegate and as Vice-President for a 2-year term. In addition, he was principal investigator in Concrete Canada, a Canadian Nation Center of Excellence studying high-performance concrete. From 1973 to 1976, he was a member of the Council of the Association of Professional Engineers, Geologists, and Geophysicists of Alberta.

He was elected a Fellow of the Royal Society of Canada in 1982 and a Fellow of the Canadian Academy of Engineering in 1989. In 1998, he received an Honorary Doctor of Engineering from Lakehead University, Thunder Bay, Ontario; and in 1999, he received an Honorary Doctor of Science from his alma mater, the University of Alberta.

He has written or coauthored more than 100 technical papers and his widely used textbook, *Reinforced Concrete: Mechanics and Design*, is in its 4th American Edition and 1st Canadian Edition.

MacGregor has a BS from the University of Alberta, and a Master of Science and Doctor of Philosophy from the University of Illinois, where he studied under Professors C. P. Siess and M. A. Sozen.

ACI DESIGN PRACTICE AWARD

Daniel Kuchma see page 50 for bio.

Tjen Nung Tjhin is a Graduate Research Assistant in the Department of Civil and Environmental Engineering at the University of Illinois Urbana-Champaign, Urbana, IL. A PhD candidate in the same department, he is working on the development of analysis and design tools for structural concrete based on the strut-and-tie method. In addition to his dissertation work, he is also involved in the evaluation and improvement of current nonlinear static procedures for seismic design and the evaluation and development of a performance-based seismic design method for ductile reinforced concrete wall buildings based on yield displacement.

Prior to his graduate study, Tjhin was a structural engineer with Teddy Boen Consulting Engineers, Jakarta, Indonesia. During his 6 years in the consulting industry, he was involved in the design of new multistory buildings and seismic evaluation of existing buildings.

In 2000, Tjhin received the Chester P. Siess award recognizing outstanding scholastic achievement and promise for research from the Civil and Environmental Engineering Department of the University of Illinois at Urbana-Champaign. Also in 2000, he was a co-recipient of a research fellowship from the Portland Cement Association (PCA) to examine strut-and-tie design methodologies and their implications on practice through the use of a computer-based design and analysis tool.

Tjhin received his BS in civil engineering from the University of Indonesia, Jakarta, Indonesia, and his MS in civil engineering from the University of Illinois at Urbana-Champaign in 1991 and 1998, respectively.

DELMAR L. BLOEM AWARD FOR DISTINGUISHED SERVICE

James E. Cook is Director of Technical Services for Florida Tarmac/A Titan America Company. He has more than 45 years of experience in ready mix and concrete materials. Twenty-five years of his career were with Gifford-Hill & Company, Dallas, TX, most recently as Vice President of Technical Services. He joined Tarmac in 1994.

A Fellow of ACI and a member for more than 35 years, Cook is former Chair of ACI Committee 363, High-Strength Concrete, and has written papers and lectured for ACI on engineering properties of high-strength concrete. He is currently Chair of ACI Committee 214, Evaluation of Results of Tests Used to Determine the Strength of Concrete, and is a member of ACI Committees 211, Proportioning Concrete Mixtures, and 232, Fly Ash and Natural Pozzolans in Concrete. During his tenure as Chair of ACI Committee 214, the committee produced several new documents, including a complete revision of "Evaluation of Strength Test

Award Recipient Biographies

Results of Concrete (ACI 214R-02)” and a new committee report, “Guide for Obtaining Cores and Interpreting Compressive Strength Results (ACI 214.4R-03).”

Cook is a former Board member of the Northeast Texas Chapter of ACI and a current member of the Florida First Coast Chapter. He received ACI's Roger H. Corbetta Concrete Constructor Award in 1995 in recognition of his outstanding contributions to the advancement of concrete as a construction material.

Cook has collected data on the design and variability of high-strength concrete and written papers and reports to present the data. Many of the recent changes in strength overdesign and acceptance criteria for high-strength concrete in ACI 318-02 and ACI 214R-02 are the result of his many years of contribution.

In addition to his involvement with ACI, he was inducted into the Engineering Hall of Achievement at the University of Texas at Arlington in 1985 in recognition of his extensive research on high-strength concrete and his significant contributions to the engineering profession.

Tony C. Liu is Senior Technical Advisor and Program Manager for the Civil Works Research and Development Program at the headquarters of the U.S. Army Corps of Engineers in Washington, D.C. Prior to this he was the Chief of Materials Engineering at the Corps headquarters.

Liu serves as a Director of ACI's Board of Direction and Trustee of the Concrete Research and Educational Foundation (ConREF). He also serves on the International Committee, the Membership Committee, the International Membership Committee, the TAC Metrication Committee, and the Concrete Research Council. He is also a member of ACI Committees 224, Cracking; 364, Rehabilitation; 437, Strength Evaluation of Existing Concrete Structures; 546, Repair of Concrete; and 555, Concrete with Recycled Materials.

An ACI member since 1967, Liu was elected Fellow of the Institute in 1984. He is Past Chair of ACI Committees 364, Rehabilitation, and 555, Concrete with Recycled Materials, and he served on the Technical Activities Committee, the Fellows Nomination Committee, and the Officers Nominating Committee. He has received the ACI Wason Medal for Materials Research twice, in 1974 and 1983. He is also a Fellow of the American Society of Civil Engineers (ASCE).

Liu received his BS from Taiwan National Chung-Hsing University in 1965, his MS in civil engineering from the South Dakota School of Mines and Technology in 1968, and his PhD in structural engineering from Cornell University in 1971. Liu is a registered professional engineer in California and Mississippi.

Sami H. Rizkalla is Distinguished Professor of Civil Engineering and Director of the Constructed Facilities Laboratory in the Department of Civil, Construction and Environmental Engineering at North Carolina State University, Raleigh, NC.

Award Recipient Biographies

Rizkalla is a Fellow of ACI and the immediate Past Chair and a current member of ACI Committee 440, Fiber Reinforced Polymer Reinforcement. During his tenure as Chair, the committee published three committee reports, two special publications, organized several technical sessions, and organized two international symposia on the use of fiber-reinforced polymers in construction. He is also a member of ACI Committee 423, Prestressed Concrete; E 803, Faculty Network Coordinating Committee; and Joint ACI-ASCE Committee 550, Precast Concrete Structures.

Rizkalla is also a Fellow of the American Society for Civil Engineers (ASCE), the Canadian Society for Civil Engineering (CSCE), the Engineering Institute of Canada (EIC), and was recently elected Fellow of the International Institute for FRP in Construction (IIFC). He is immediate Past President and Scientific Director of the Canadian Network of Centres of Excellence—which he established—on “Intelligent Sensing for Innovative Structures,” ISIS Canada, sponsored by the Natural Sciences and Engineering Research Council of Canada (NSERC). He is the Regional Editor of the *Construction and Building Materials* journal, Chief Editor of the *FRP International* newsletter, and he serves on the editorial board of the *Japanese Journal of Advanced Concrete Technology* and ASCE’s *Composite for Construction* journal. He has published and presented over 200 technical papers in national and international journals and conferences, and has received several national and international awards.

Rizkalla received his BSc in civil engineering from Alexandria University, Egypt, in 1965 and both his MS and PhD from North Carolina State University in 1974 and 1976, respectively.

Stephen B. Tatro is a Civil Engineer and Technical Specialist in Concrete Materials with the U.S. Army Corps of Engineers, Walla Walla District. During his 25-year career with the Corps, he has been involved with the planning, design, or construction of numerous concrete construction and concrete repair projects for the Corps, federal agencies, and non-federal organizations. He has been involved in the design and construction of more than 30 roller-compacted concrete dams and other reinforced concrete column (RCC) structures. For the past 15 years, he has also provided consulting services nationally and internationally for concrete and RCC design and construction.

Tatro is an ACI Fellow and is currently Chair of ACI Committee 207, Mass Concrete. He recently served on the Evaluation Review Committee for ACI’s Wason Medal for Materials Research. He was also the Chair of ACI Committee 210, Deterioration of Concrete in Hydraulic Structures, prior to its merge with ACI Committee 207.

He recently returned from Iraq, where along with a team of engineers, he evaluated the condition of the country’s major dams. He has also authored or coauthored more than 20 technical publications.

Award Recipient Biographies

Tatro is a licensed professional engineer in the state of Washington. He received a BS in engineering from Walla Walla College in 1979 and an MS in civil engineering from Purdue University in 1985.

CHAPTER ACTIVITIES AWARD

Naji M. Al-Mutairi has been Director of the Research Directorate at the Kuwait Foundation for the Advancement of Sciences (KFAS) since January 2002. His duties include managing and allocating funds for research proposals submitted to KFAS, developing existing programs, presenting new programs for future implementation, and preparing the strategic plan for the Directorate.

Al-Mutairi began his career in 1983 at the Kuwait Institute for Scientific Research (KISR). During his tenure at KISR, he was promoted from Research Assistant to Research Scientist and led several projects in his area of specialization. He was appointed Manager of the Civil and Building Department and later Director of Urban Infrastructure and Environment Division. He has published several papers, as well as several project reports while at KISR, and he has presented several papers at conferences. He has represented Kuwait on several committees locally and regionally. He was instrumental in establishing the ACI Kuwait Chapter (ACI-KC) and continues to be an active member.

Al-Mutairi received his BS degrees in civil engineering and architectural engineering from the University of Miami in 1982. He went on to study towards his master's degree at Pennsylvania State University, and in 1989, he received his PhD from the University of Maryland, specializing in structural engineering.

Robert H. Kuhlman is a Consulting Engineer in Atlanta, GA. For 32 years, prior to 1986, he was employed by the Portland Cement Association (PCA) where he provided consultation on design and construction of pavements and buildings, retiring as Southeastern Regional Manager.

A member of ACI since 1984 and an ACI Fellow since 1990, he has been Vice President and President of the ACI Georgia Chapter. He has been a member of the ACI Georgia Chapter Awards Competition Committee since 1990 and was Chair in 1992 and 1993. He has been Chair of the Georgia Nominating Committee for Chapter Members to ACI Honors and Awards for 15 years and a member of the ACI 1989 and 1997 Atlanta Conventions Committee, serving as a session moderator at both conventions. He served on the 1998 Georgia Chapter Bylaws Committee and the 1999 Long Range Committee. He is a member of ACI Committee 230, Soil Cement; C 610, Field Technician Certification; and C 620 Laboratory Technician Certification. In 1994, he was designated a Distinguished Chapter Member of the Georgia Chapter.

Award Recipient Biographies

He has been an examiner for the ACI Concrete Laboratory Technician and Strength Testing Technician Certifications for 12 years and has presented training workshops prior to these examinations. He has been the inspector for the Concrete Testing Laboratory Accreditation for the Concrete Advisory Board of Georgia (an adjunct to the ACI Georgia Chapter) and served as an instructor for the ACI Concrete Transportation Construction Inspector training. He is also a Fellow of the American Society of Civil Engineers (ASCE) and is a member of the National Society of Professional Engineers.

Kuhlman holds a BSCE from the University of Arkansas and is a registered professional engineer in Georgia and Arkansas.

WALTER P. MOORE, JR., FACULTY ACHIEVEMENT AWARD

W. Jason Weiss is currently an Assistant Professor of Civil Engineering Materials at Purdue University, West Lafayette, IN, where he conducts an active research program on early-age shrinkage cracking.

Weiss is Chair of ACI Committee 123, Research and Current Developments; Secretary of ACI Committees 209, Creep and Shrinkage in Concrete, and 231, Properties of Concrete at Early Ages; and is a member of ACI Committees 365, Service Life Prediction; 522, Pervious Concrete; and Joint ACI-ASCE Committee 445, Shear and Torsion.

Weiss' background in both concrete construction and state-of-the-art research has allowed him to introduce concrete materials and construction technology to a wide range of students from both the fundamental and applied viewpoints. In addition, he is actively involved in organizing and conducting special programs for K-12 students to expose them to the opportunity of pursuing civil engineering as a career. In addition, he is currently the Chair of the ACBM Educational Programs Committee and conducts numerous continuing education seminars each year for contractors, highway officials, and precast concrete producers. Weiss has also been selected by the students at Purdue as the recipient of the 2001 Roy and Myrna Wansik Teaching Award and the 2002 Harold Munson Teaching Award. In addition, Weiss received the CAREER Award from the National Science Foundation for his research and education program to link in-place monitoring with life-cycle prediction for concrete facilities.

Weiss received his bachelor's degree in architectural engineering in 1995. He obtained his MS and PhD from Northwestern University.

Award Recipient Biographies

CONCRETE RESEARCH COUNCIL ARTHUR J. BOASE AWARD

Michael P. Collins is University Professor and Bahen-Tanenbaum Professor of Civil Engineering at the University of Toronto. For almost 35 years, he has led a research program at the University of Toronto aimed at developing simple, rational approaches to the analysis and design of reinforced and prestressed concrete structures.

An ACI Fellow since 1980, Collins is a member of ACI Committees 318, Structural Concrete Building Code; 318-G, Precast/Prestressed Concrete; and Joint ACI-ASCE Committee 445, Shear and Torsion. He has served on the ACI Board of Direction; the Awards for Papers Committee; the Educational Activities Committee; the Scholarship Council; the ACI Commemorative Lecture Series Committee; and the Committee on Nominations. He is also a former member of ACI Committees ACI 318-E, Shear and Torsion, and 358, Concrete Guideways.

Collins has received a number of ACI awards, including the Joe W. Kelly Award in 1994 and the Phil M. Ferguson Lecture Series Award in 1997. He was a co-recipient of ACI's Raymond C. Reese Structural Research Award in 1976; the Charles S. Whitney Medal in 1989; the Wason Medal for Most Meritorious Paper in 1991; the Structural Research Award in 1998; and the Design Practice Award in 1999.

He is a graduate of the University of Canterbury, Christchurch, New Zealand, and the University of New South Wales, Sydney, Australia.

CONCRETE RESEARCH COUNCIL ROBERT E. PHILLEO AWARD

Nicholas J. Carino see pages 66-67 for bio.

	50-Year Membership Citations	17
A	ACI Construction Practice Award	27
	ACI Design Practice Award	30
	ACI Structural Research Award	29
	ACI Young Member Award for Professional Achievement	25
	Wayne S. Adaska	2, 11, 40
	Pierre-Claude Aïtcin	3, 28, 65
	Naji M. Al-Mutairi	3, 33, 72
	Alfred E. Lindau Award	24
	James E. Amrhein	2, 17
	Robert B. Anderson	2, 11, 40
	Arthur R. Anderson Award	22
B	Vartan Babakhanian	2, 11, 40-41
	Maher A. M. Bader	2, 11, 41-42
	James E. Bennett, Jr.	2, 17
	David M. Berg	2, 19
	Shrinivas B. Bhidé	2, 11, 42
	J. Eloy Y. Bordier	2
	Edwin G. Burdette	2, 11, 42-43
C	Nicholas J. Carino	3, 29, 35, 66-67
	Gregory P. Chacos	2, 17
	Charles Pankow Builders, Ltd.	3, 25, 62-63
	Charles S. Whitney Award	25
	Chapter Activities Award	33
	Chapter Awards — Citations of Excellence	39
	T. Z. Chastain	2, 17
	Tsung-Li T. Chen	2, 12, 43
	Jacques L. Clarke	2, 19
	Michael P. Collins	3, 35, 74
	Concrete Research Council Arthur J. Boase Award	35
	Concrete Research Council Robert E. Philleo Award ..	35
	James E. Cook	3, 31, 69-70
D	Bradford B. Dallas	2, 19
	Mohamed Nasser A. N. Darwish	2, 12, 43-44
	Delmar L. Bloem Award for Distinguished Service	31
	Boris Z. Dragunsky	2, 12, 44
	Alejandro Durán-Herrera	3, 25, 63-64
E	Carl E. Ekberg, Jr.	2, 17
	Alphonse E. Engelman	2, 22, 58-59
F	Fellows	10
	Kevin J. Folliard	2, 12, 44-45
	Catherine E. French	2, 23, 60-61
	Clifford L. Freyermuth	2, 22, 58

Index

G	Hector Gallegos	2, 12, 45
	S. K. Ghosh	3, 24, 61
	Daniel J. Green	2, 12, 45-46
	Roger Green	2, 13, 46
H	Gilbert Haddad	3, 27, 65-66
	Bilal S. Hamad	2, 13, 46-47
	H. R. "Trey" Hamilton, III	2, 13, 47
	Charles S. Hanskat	2, 13, 47-48
	Norman W. Hanson	2, 18
	G. Terry Harris, Sr.	2, 13, 48
	Henry C. Turner Medal	24
	Henry L. Kennedy Award	23
	Honorary Membership	4
J	Daniel P. Jenny	2, 18
	Joe W. Kelly Award	23
	L. S. "Paul" Johal	2, 13, 48-49
K	Narbey Khachaturian	2, 19
	Ali R. Khaloo	2, 14, 49
	Jeri A. Kolodziej	2, 14, 49
	Eduardo Kriger	2
	Daniel Kuchma	2, 3, 14, 30, 50, 69
	Robert H. Kuhlman	3, 33, 73
L	Tony C. Liu	3, 32, 70
	Kenneth M. Lozen	2, 14, 50
M	Kevin A. MacDonald	2, 14, 51
	James G. MacGregor	3, 29, 68
	Ross S. Martin	2, 14, 51-52
	Bruno Massicotte	2, 15, 52
	Robert F. Mast	2, 5
	Roberto Meli	2, 6
	Sher Ali Mirza	2, 23, 59-60
	Yi-Lung Mo	2, 15, 52
	Richard Morin	3, 27, 66
Hiroshi Muguruma	2, 18	
N	Edward G. Nawy	2, 7
	Joseph P. Nicoletti	2, 19
O	Richard S. Orr	2, 15, 53

Index

- P** Charles J. Pankow 2, 19
Jay H. Paul 2, 15, 53-54
Stephen P. Pessiki 2, 15, 54
Long T. Phan 3, 28, 67
Francis J. Principe 2, 19
- R** Ramesh N. Raikar 2, 8
Sami H. Rizkalla 3, 32, 70-71
Roger H. Corbetta Concrete Constructor Award 22
William F. Rossi 2, 15, 54-55
Jean-Claude M. Roumain 2, 16, 55
- S** William C. Schnobrich 2, 19
Andrea J. Schokker 3, 26, 64
Norman L. Scott 3, 26, 64-65
Stephen J. Seguirant 2, 16, 55-56
James M. Shilstone, Sr. 2, 9
L. Michael Shydrowski 3, 24, 62
Special Recognition of Individuals and Organizations
Instrumental in Initiating and Maintaining ACI
Certification Programs Internationally 36
Special Recognition of National, Regional, and Local
Organizations that Administer ACI Certification
Programs 37-38
- T** Barendra K. Talukdar 2, 16, 56
Stephen B. Tatro 3, 31, 71-72
McKinney V. Taylor 2, 19
Tjen Nung Tjhin 3, 30, 69
T. Y. Lin Award 34
- W** Faisal Fouad Wafa 2, 16, 56-57
John B. Wagner 2, 19
Walter P. Moore, Jr., Faculty Achievement Award 34
Wason Medal for Materials Research 28
Wason Medal for Most Meritorious Paper 26
Ronald J. Watson 2, 16, 57
W. Jason Weiss 3, 34, 73
Lyndon Welch 2, 19
Robert G. Wiedyke 2, 19
Edward L. Wilson, Jr. 2, 19
- Y** Alfred A. Yee 2, 19
- Z** William H. Zehrt 2, 19
Min-Hong Zhang 2, 16, 57-58