

*Grine
Pavilion*

2003 Awards Program

*Spring Convention
March 30, 2003*

*The Fairmont Hotel Vancouver
Vancouver, British Columbia*

Awards

HONORARY MEMBERSHIP

David P. Billington
W. Gene Corley
Francis J. Principe
Dean E. Stephan
Augusto Carlos de Vasconcelos

FELLOWS

Diane L. Baloh	Alphonse E. Engelman	Nicholas F. Maloof
Nemkumar Banthia	Chiara F. Ferraris	Anand S. Mehta
Roger J. Becker	Terry J. Fricks	Christian Meyer
Casimir J. Bognacki	Robert J. Frosch	Rita K. Oglesby
Mark A. Bury	John R. Hayes, Jr.	Byung Hwan Oh
Ned M. Cleland	Donald J. Janssen	Patrick Paultre
Christopher R. Crouch	Nicholas A. Legatos	Karl-Heinz Reineck
Neil A. Cumming	Colin L. Lobo	Bruce W. Russell
Thomas J. D'Arcy	Clifford N. MacDonald	Rajan Sen
Dale H. Diulus	Thomas O. Malerik	Shiraz D. Tayabji

50-YEAR MEMBERSHIP CITATIONS

William Atlas	Herbert C. Hale, Jr.	Laurie W. Seaman
Dante Bianco	Gunnar Morten Idorn	Alfred Selnick
John A. Blume	Richard Largent	Irwin J. Speyer
Fong Chou Chan	Dennis T. O'Geary	R.N. Vakil
Arthur N.L. Chiu	Victor F. Pizano-Thomen	Edward E. Walters
Hans Gesund	Morris Schupack	Harvey Y. Weinstein
	Alexander C. Scordelis	

ARTHUR R. ANDERSON AWARD

Robert F. Mast

ROGER H. CORBETTA CONCRETE CONSTRUCTOR AWARD

Brad D. Inman

JOE W. KELLY AWARD

Portland Cement Association

HENRY L. KENNEDY AWARD

George B. Barney

ALFRED E. LINDAU AWARD

Luis E. García

HENRY C. TURNER MEDAL

Michel Virlogeux

CHARLES S. WHITNEY AWARD

Morley Construction Company

Awards

ACI YOUNG MEMBER AWARD FOR PROFESSIONAL ACHIEVEMENT

Moncef L. Nehdi

WASON MEDAL FOR MOST MERITORIOUS PAPER

Salah A. Altoubat

David A. Lange

ACI CONSTRUCTION PRACTICE AWARD

Donald A. Bailey

Edward J. Barbour

Scott W. Cupp

Jerry A. Holland

David W. Knight

WASON MEDAL FOR MATERIALS RESEARCH

Paulo J. M. Monteiro

Kome Shomglin

H.R. Wenk

Nicole P. Hasparyk

ACI STRUCTURAL RESEARCH AWARD

Carlos G. Quintero-Febres

James K. Wight

ACI DESIGN PRACTICE AWARD

Edward G. Nawy

DELMAR L. BLOEM AWARD FOR DISTINGUISHED SERVICE

Robert C. O'Neill

David W. Johnston

Richard S. Orr

CHAPTER ACTIVITIES AWARD

William E. Rushing, Jr.

S.K. Manjrekar

WALTER P. MOORE, JR.,

FACULTY ACHIEVEMENT AWARD

Norbert J. Delatte, Jr.

CONCRETE RESEARCH COUNCIL

ROBERT E. PHILLEO AWARD

David W. Fowler

CHAPTER AWARDS — CITATIONS OF EXCELLENCE

PORTLAND CEMENT ASSOCIATION —

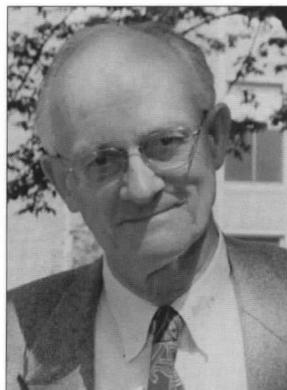
BRIDGE AWARDS COMPETITION

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, 174 have been elected to this position.

Honorary Members

“for his exceptional accomplishments in concrete shell design and related publications, in documenting the work of early and contemporary pioneers in concrete structures design and construction, and in extending engineering and technology into the liberal arts curricula”



David P. Billington

David P. Billington is the Gordon Y. S. Wu Professor of Engineering in the Department of Civil and Environmental Engineering at Princeton University, Princeton, NJ.

After graduating from Princeton in 1950, Billington spent 2 years in Belgium on a Fulbright Fellowship, much of which was spent studying with Gustave Magnel. From 1952 to 1960, he designed works in reinforced and prestressed concrete for Roberts and Schaefer Co. In 1960, Billington joined the faculty at Princeton, became a professor in 1964, and published his first book, *Thin Shell Concrete Structures*, in 1965. He continued research on thin shells and, for many years, was a consultant to Research-Cottrell Co. for the design of high natural draft cooling towers.

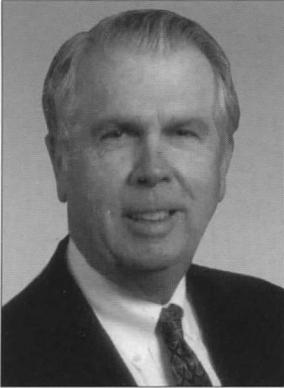
In 1974, he introduced a course at Princeton, “Structures and the Urban Environment,” which over the past 30 years has been the most popular course in the School of Engineering & Applied Science. Central to the course is the concrete designing of Robert Maillart, on whom Billington has written three books. The course deals with structural engineering as an art form parallel to, but independent of, architecture. This led to *The Tower and the Bridge*, and six exhibitions in the Princeton University Art Museum. In 1985, he introduced the course “Engineering in the Modern World” for first-year engineering students. This course is open to all students at the university. One-fifth of all Princeton undergraduates have taken one of these introductory engineering courses. In 1999, he and a colleague introduced a third course, “Rivers and the Regional Environment,” which combines concrete and earth dams with hydraulics and hydrology. All three of these courses are based on new scholarship and are part of the Princeton curriculum.

Billington was elected to the National Academy of Engineering in 1986 and became a Fellow of the American Academy of Arts & Sciences in 1998. In 1999, he became an Honorary Member of the American Society of Civil Engineers (ASCE), and the Engineering News Record named him one of the top 125 persons in civil engineering during the past 125 years. Awards include the Usher Award for Best Scholarly Work, Technology & Culture, 1995; the George Winter Award, ASCE, 1992, and the History and Heritage Award, ASCE, 1986; and the Dexter Award for outstanding book in the History of Technology, 1979. He has authored numerous books and over 160 journal publications.

He is a member of ACI Committee 120, History of Concrete, and has been a member of Joint ACI-ASCE Committee 334, Concrete Shell Design and Construction, since its inception and served as Chair from 1973 to 1978.

Billington received his BSE from Princeton University in 1950. He has honorary degrees from Union College, Grinnell College, and Notre Dame University.

Honorary Members



“for effective advocacy of concrete construction, harmonization of international codes and standards, leadership in forensic and failure investigations, and technical committee activities (notably ACI Committee 318) that have had profound influence on the use of concrete”

W. Gene Corley

W. Gene Corley is Senior Vice President of Construction Technology Laboratories, Inc., Skokie, IL. He serves as managing agent for professional and structural engineering and leads structural evaluation projects related to industrial, transportation and parking facilities, bridges, and buildings. His experience includes evaluation of earthquake and blast-damaged buildings and bridges; investigation of distress in prestressed concrete structures; repair of parking garages damaged by corrosion; evaluation and repair of high-rise buildings, stadiums, silos and bridges; and the design and construction of repairs for prestressed and conventionally reinforced, precast and cast-in-place concrete, structural steel facilities, and foundations.

In 1995, Corley was selected by ASCE to lead a Building Performance Assessment Team investigating the bombing of the Murrah Federal Building in Oklahoma City. In September 2001, he was selected to head the teams to study building performance of New York's World Trade Center after the 9-11 attack, and participated in the study on the Pentagon.

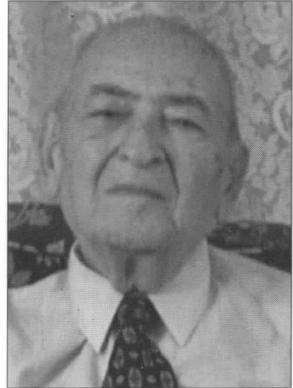
He has authored more than 170 technical papers and books and frequently lectures to technical and nontechnical groups on the subjects of prevention of failures, effects of earthquakes, and design and repair of structures. He regularly presents training courses on reinforced concrete design and teaches the seismic design portion of a refresher course to candidates for the Illinois Structural Engineering License examination.

Corley is an ACI Fellow and a current member of the International Committee (IC), the International Relations Committee, ACI Committees 318, Structural Concrete Building Code (Chair for 6 years when the committee was developing the 1995 Building Code); 341, Earthquake-Resistant Concrete Bridges; and Joint ACI-ASCE Committee 343, Concrete Bridge Design. He also serves on several other national and international committees that prepare recommendations for structural design and for design of earthquake-resistant buildings and bridges. Awards include ACI's Wason Medal for Materials Research, the ACI Henry C. Turner Medal, and the ACI Alfred E. Lindau Award, as well as 16 national awards, including election to the National Academy of Engineering and the Best Structural Publication Award from NCSEA.

Corley received his BS in civil engineering, and his MS and PhD in structural engineering from the University of Illinois at Urbana-Champaign in 1958, 1960, and 1961, respectively. He is a licensed structural engineer in the state of Illinois; a licensed professional engineer in Illinois and New York; a registered civil engineer in California and Hawaii; a registered professional engineer in Alabama, Florida, Kansas, Louisiana, Michigan, Mississippi, Missouri, New York, Ohio, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Virginia, and Washington; and a chartered structural engineer in the UK.

Honorary Members

"in acknowledgement of his foresight, perseverance, and determination to improve both technical and commercial aspects of the concrete industry"



Francis J. Principe

Francis J. Principe currently serves as Chair of Queens Community Board No. 5, a local branch of the New York City government, a position he has held for the past 7 years. He is also currently pursuing the establishment of a Business Improvement District in the West Maspeth Industrial Area in Queens, NY, of which he is also Chair.

Principe was President and Founder of Principe-Danna, a ready-mix concrete company formed in New York City in 1946, which for over 50 years supplied many of the large projects throughout the city. Among his other distinctions, he was the first ready-mix producer to serve as President of the New York Concrete Industry Board.

In 1979, Principe was honored with the ACI Henry L. Kennedy Award for outstanding technical and administrative service in establishing and advancing the goals of the American Concrete Institute. A Fellow of ACI and past member of the Board of Direction, he was also an active member of ACI Committees 214, Evaluation of Results of Tests Used to Determine the Strength of Concrete, and 301, Specifications for Concrete. He has been a speaker at many professional groups and seminar meetings, has authored several papers, and has traveled extensively as a lecturer with his "Doggie Show" on quality concrete.

Principe is a graduate of Cornell University, School of Civil Engineering, Class of 1931. He celebrated his 93rd birthday on Dec. 5, 2002.

Honorary Members



"for being an exemplary leader in ACI and the engineering community; for his great contributions to ConREF and TAC and for being a tremendous champion and mentor to construction and engineering minds"

Dean E. Stephan

Dean E. Stephan retired in 1997 as Partner, Director, and President of Pankow Operating, Inc. During his tenure at Pankow, annual volume grew from \$25-\$35 million to \$600-\$650 million with the company pioneering the design/build project delivery method in commercial structures. The scope of the company's commercial building operations spans the nation from the East Coast to Hawaii.

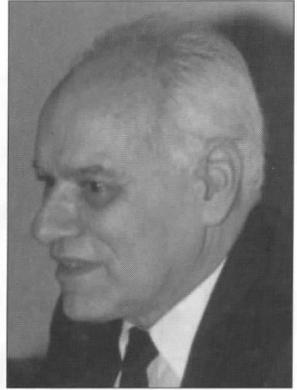
He began his career in Officer Candidate School and spent 5 years in the Navy Civil Engineering Corps, during which time he spent 2 years in Public Works at Lakehurst, NJ, and 3 years as Director of Design and Engineering, Naval Facilities, Naples, Italy. He then spent 6 years at the Guy F. Atkinson Co. working in the field on projects in California and Texas with responsibilities ranging from office engineer to superintendent.

A Fellow of ACI, Stephan is also a member of ACI's TAC Technology Transfer Committee (TTTC), and is a Past President of ACI, 1994. He is also a past member of the ACI Board of Direction, Past Chair of the Concrete Research and Education Foundation (ConREF), and a Past Chair of TAC, ACI Committee 117, Tolerances, and the Standards Board. He is a past member of ACI Committees 318, Structural Concrete Building Code, and the Construction Liaison Committee (CLC), and the International Standards Organization. He has received the ACI Roger H. Corbetta Concrete Constructor Award, 2001; the ACI Delmar L. Bloem Award for Distinguished Service, 1992; and the ACI Henry L. Kennedy Award, 1992. Additional honors and awards include membership in the National Academy of Engineering, Class of 2000; Distinguished Alumnus, Stanford University, 1994; and the Civil Engineering Research Foundation's Henry L. Michel Award, 2000, for significant innovation in concrete construction. He has authored many papers and developed the new seismic-resistant precast concrete moment-resistant frame.

Stephan received a BA in business administration from Claremont McKenna College and a BSCE in civil engineering from Stanford University, Stanford, CA, in 1961.

Honorary Members

“for guiding generations of engineers in Brazil in the design of concrete structures and for his lifelong participation in international concrete activities”



Augusto Carlos de Vasconcelos

Augusto Carlos de Vasconcelos is a Consulting Engineer and a retired professor of prestressed concrete construction, Mackenzie University, São Paulo, Brazil.

He is a member of ACI Committee 120, History of Concrete, and has published eight books about concrete and structures of nature, as well as 130 technical papers from 1948 to 2002. His awards include Prize Emilio Baumgart, IBRACON, 1984, for outstanding work in structural engineering; “the best monography of the year,” Instituto de Engenharia (São Paulo); and “Engineer of the Year,” 1993. He is also founder of the first precast prestressed plant in Brazil for pretensioned elements (PROTENDIT 1957).

Vasconcelos received his civil engineering degree from the Polytechnical School of São Paulo University in 1948 and his PhD (DrIng) from Technische Hochschule München in 1955.

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, 1,047 members now hold the position of Fellow. They are recommended by the Fellows Nomination Committee and elected by the Board of Direction.

Fellows



Diane L. Baloh



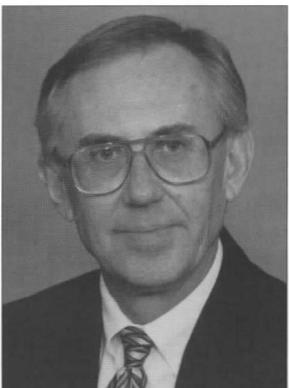
Casimir J. Bognacki



Nemkumar Banthia



Mark A. Bury



Roger J. Becker



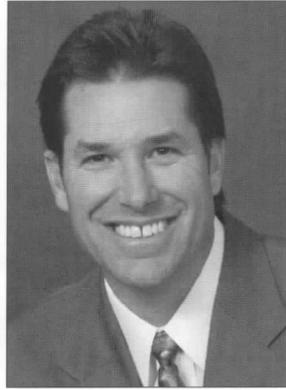
Ned M. Cleland

(For bios see pages 36-38)

Fellows



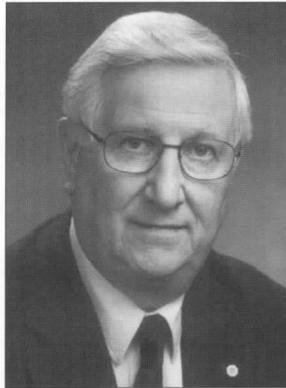
Christopher R. Crouch



Dale H. Diulus



Neil A. Cumming



Alphonse E. Engelman

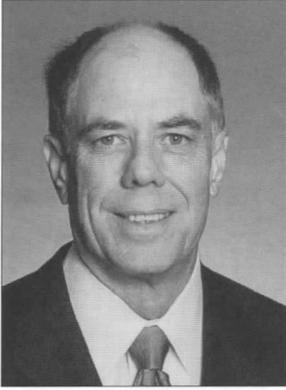


Thomas J. D'Arcy

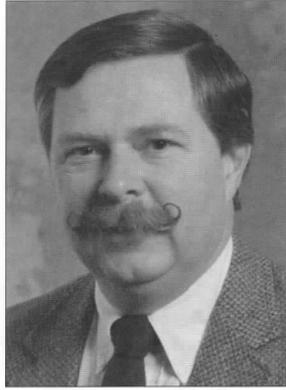


Chiara F. Ferraris

Fellows



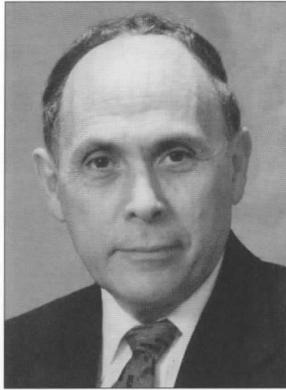
Terry J. Fricks



Donald J. Janssen



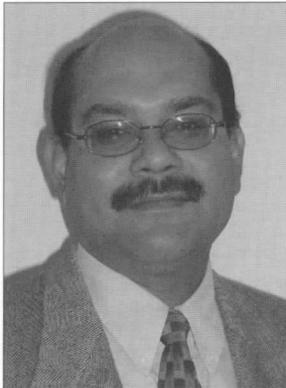
Robert J. Frosch



Nicholas A. Legatos



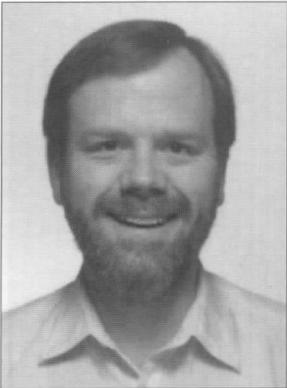
John R. Hayes, Jr.



Colin L. Lobo

(For bios see pages 41-44)

Fellows



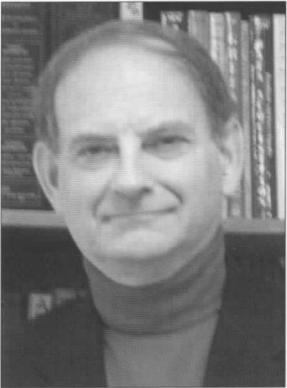
Clifford N. MacDonald



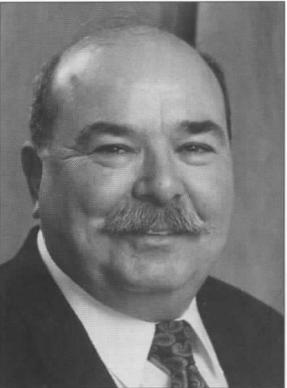
Anand S. Mehta



Thomas O. Malerk



Christian Meyer



Nicholas F. Maloof



Rita K. Oglesby

Fellows



Byung Hwan Oh



Bruce W. Russell



Patrick Paultre



Rajan Sen



Karl-Heinz Reineck

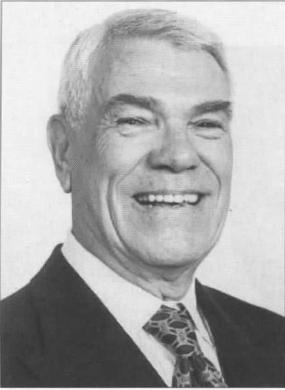


Shiraz D. Tayabji

(For bios see pages 46-49)

50-Year Membership Citations

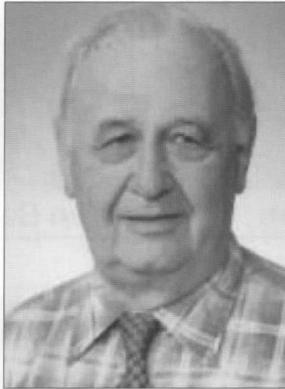
50-Year Membership Citations —
Expression of appreciation to members who have contributed to the success of the Institute by maintaining membership of at least 50 years.



Dante Bianco



Herbert C. Hale, Jr.



Hans Gesund



Arthur N.L. Chiu

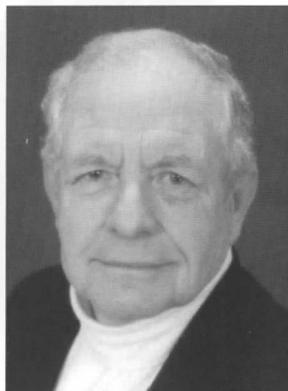


Gunnar Morten Idorn

50-Year Membership Citations



Dennis T. O'Geary



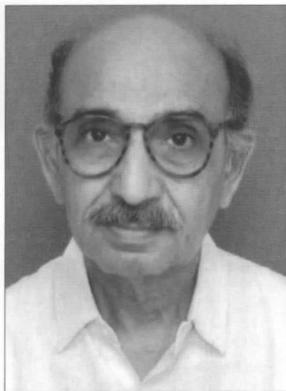
Irwin J. Speyer



Alexander C.
Scordelis



Morris Schupack



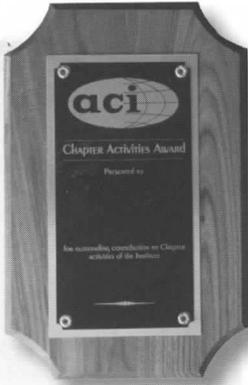
R.N. Vakil

Not pictured:

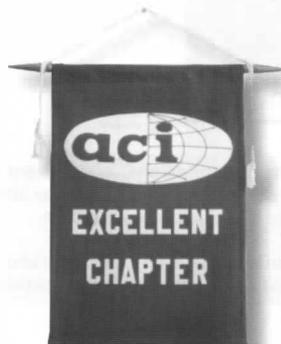
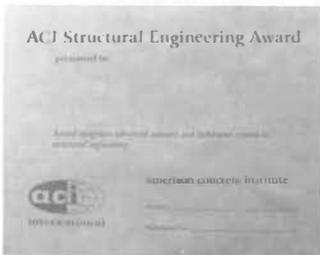
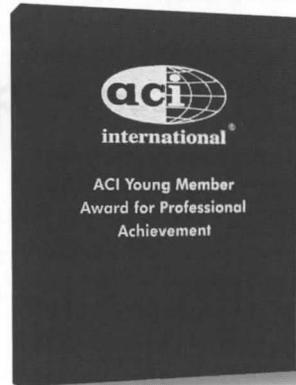
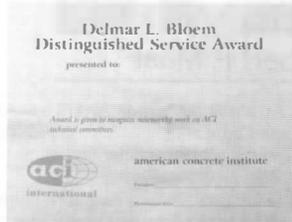
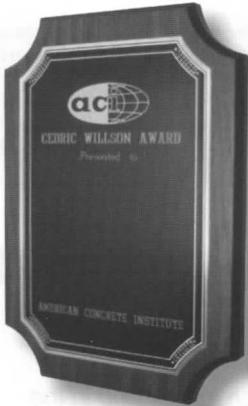
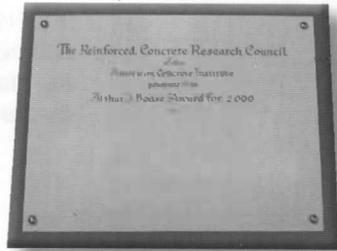
William Atlas
John A. Blume
Fong Chou Chan
Richard Largent
Victor F. Pizano-Thomen

Laurie W. Seaman
Alfred Selnick
Edward E. Walters
Harvey Y. Weinstein

ACI Awards



ACI Awards



Arthur R. Anderson Award



“for his outstanding contributions, many of which were pioneering efforts, toward advancing the state of knowledge for the design profession and for the prestressed and precast concrete industry”

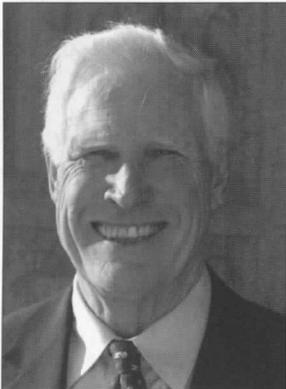
Robert F. Mast

(for bio see pages 49-50)

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 demonstrating top-notch leadership in the construction industry through his service and participation in construction academia”

Brad D. Inman

(for bio see page 50)

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 improving the manufacture, design, and use of cement and concrete through publications such as the Design and Control of Concrete Mixtures (now in its 14th Edition) that have influenced and educated generations of students, engineers, scientists, and builders”



(for bio see page 51)

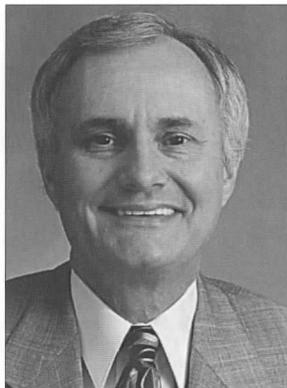
Portland Cement Association

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 his diligence and dedicated leadership throughout many years of commitment to the Institute”



George B. Barney

(for bio see page 51)

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



Luis E. García

“for his leadership in developing the draft ISO/TC 71 ‘Standard for the Simplified Design of Structural Reinforced Concrete for Buildings,’ and his many years of contributions to ACI 318 and to concrete and seismic building codes in Colombia”

(for bio see page 52)

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



Michel Virlogeux

“for emphasizing quality and creating imaginative solutions for the design of structural concrete bridges, especially in pioneering the use of external prestressing, and for his leadership in international technical organizations”

(for bio see pages 52-53)

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 exceptional achievements in quality concrete construction over many decades, culminating in ‘The Cathedral of Our Lady of the Angels’ in Los Angeles where greatly extended service life and aesthetics were given special emphasis”



(for bio see page 53)

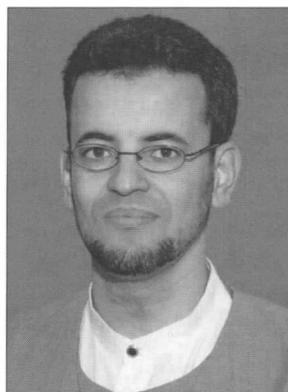
Morley Construction Company

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 creating a new high quality regional research and teaching program in concrete technology and developing student attitudes toward the industry; therefore, advancing the goals and objectives of the Institute”

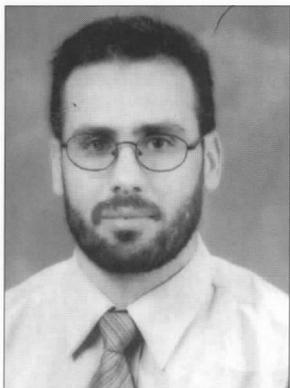


(for bio see pages 53-54)

Moncef L. Nehdi

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



"for his co-authored innovative paper on restrained shrinkage cracking of concrete, which provides insight into the impact of creep, shrinkage, curing conditions, materials, and mixture proportions on stress development and cracking"

"Creep, Shrinkage, and Cracking of Restrained Concrete at Early Age," *ACI Materials Journal*, Vol. 98, No. 4, Jul.-Aug. 2001, pp. 323-331 (98-M35).

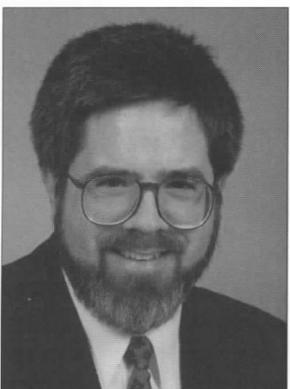
Salah A. Altoubat

(for bio see page 54)

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.

Wason Medal for Most Meritorious Paper



"for his co-authored innovative paper on restrained shrinkage cracking of concrete, which provides insight into the impact of creep, shrinkage, curing conditions, materials, and mixture proportions on stress development and cracking"

"Creep, Shrinkage, and Cracking of Restrained Concrete at Early Age," *ACI Materials Journal*, Vol. 98, No. 4, Jul.-Aug. 2001, pp. 323-331 (98-M35).

David A. Lange

(for bio see pages 54-55)

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 which describes the collaboration between Owner, Designer, Contractor, and Subcontractor in achieving a floor that successfully produced a very flat, heavy-duty industrial floor, advancing the knowledge on this important subject”



Donald A. Bailey

“Gatorade Floor: Quenching Thirst, Joints, Cracks, and Curl,”
Concrete International, Jan. 2001, Vol. 23, No. 1, pp. 23-29.

(for bio see page 55)

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 which describes the collaboration between Owner, Designer, Contractor, and Subcontractor in achieving a floor that successfully produced a very flat, heavy-duty industrial floor, advancing the knowledge on this important subject”

Photo not available

“Gatorade Floor: Quenching Thirst, Joints, Cracks, and Curl,”
Concrete International, Jan. 2001, Vol. 23, No. 1, pp. 23-29.

(for bio see page 55)

Edward J. Barbour

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ACI Construction Practice Award



Scott W. Cupp

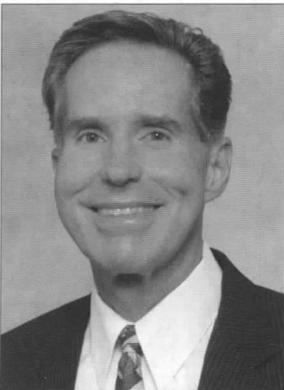
"for his co-authored paper which describes the collaboration between Owner, Designer, Contractor, and Subcontractor in achieving a floor that successfully produced a very flat, heavy-duty industrial floor, advancing the knowledge on this important subject"

"Gatorade Floor: Quenching Thirst, Joints, Cracks, and Curl,"
Concrete International, Jan. 2001, Vol. 23, No. 1, pp. 23-29.

(for bio see page 55)

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ACI Construction Practice Award



Jerry A. Holland

"for his co-authored paper which describes the collaboration between Owner, Designer, Contractor, and Subcontractor in achieving a floor that successfully produced a very flat, heavy-duty industrial floor, advancing the knowledge on this important subject"

"Gatorade Floor: Quenching Thirst, Joints, Cracks, and Curl,"
Concrete International, Jan. 2001, Vol. 23, No. 1, pp. 23-29.

(for bio see pages 55-56)

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ACI Construction Practice Award

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David W. Knight

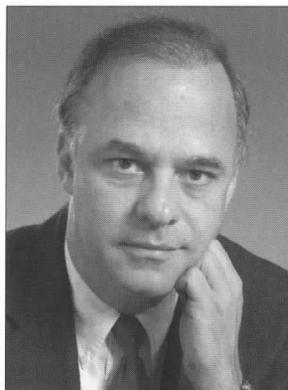
"Gatorade Floor: Quenching Thirst, Joints, Cracks, and Curl," *Concrete International*, Jan. 2001, Vol. 23, No. 1, pp. 23-29.

(for bio see page 56)

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

"for his co-authored paper describing the relationship between aggregate deformation and alkali-silica reactivity, which was investigated using innovative techniques, such as x-ray and neutron-diffraction texture analysis"



Paulo J. M. Monteiro

"Effect of Aggregate Deformation on Alkali-Silica Reaction," *ACI Materials Journal*, Vol. 98, No. 2, Mar.-Apr. 2001, pp. 179-183 (98-M20).

(for bio see pages 56-57)

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 describing the relationship between aggregate deformation and alkali-silica reactivity, which was investigated using innovative techniques, such as x-ray and neutron-diffraction texture analysis"

"Effect of Aggregate Deformation on Alkali-Silica Reaction," *ACI Materials Journal*, Vol. 98, No. 2, Mar.-Apr. 2001, pp. 179-183 (98-M20).

Kome Shomglin

(for bio see page 57)

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Wason Medal for Materials Research



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"Effect of Aggregate Deformation on Alkali-Silica Reaction," *ACI Materials Journal*, Vol. 98, No. 2, Mar.-Apr. 2001, pp. 179-183 (98-M20).

H.R. Wenk

(for bio see page 57)

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Wason Medal for Materials Research

“for her co-authored paper describing the relationship between aggregate deformation and alkali-silica reactivity, which was investigated using innovative techniques, such as x-ray and neutron-diffraction texture analysis”



“Effect of Aggregate Deformation on Alkali-Silica Reaction,” *ACI Materials Journal*, Vol. 98, No. 2, Mar.-Apr. 2001, pp. 179-183 (98-M20).

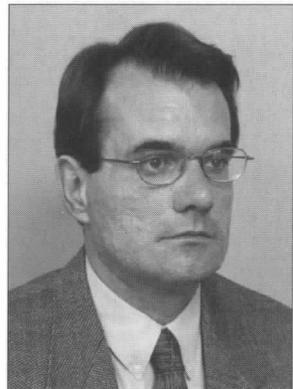
(for bio see page 57)

Nicole P. Hasparyk

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 co-authored paper which significantly advances the understanding of the seismic response of interior wide beam-column connections, a popular and cost-effective structural element”



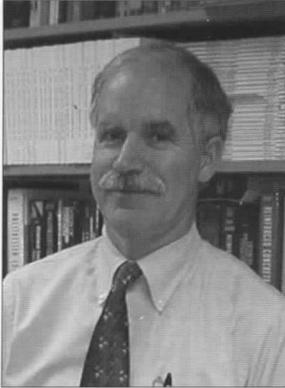
“Experimental Study of Reinforced Concrete Interior Wide Beam-Column Connections Subjected to Lateral Loading,” *ACI Structural Journal*, Vol. 98, No. 4, Jul.-Aug. 2001, pp. 572-582 (98-S55).

(for bio see page 58)

Carlos G. Quintero-Febrés

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 Structural Research Award



James K. Wight

“for his co-authored paper which significantly advances the understanding of the seismic response of interior wide beam-column connections, a popular and cost-effective structural element”

“Experimental Study of Reinforced Concrete Interior Wide Beam-Column Connections Subjected to Lateral Loading,” *ACI Structural Journal*, Vol. 98, No. 4, Jul.-Aug. 2001, pp. 572-582 (98-S55).

(for bio see page 58-59)

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



Edward G. Nawy

“for his paper which discusses and presents expressions for the mitigation and control of flexural macro-crack widths that develop in reinforced and prestressed concrete structures”

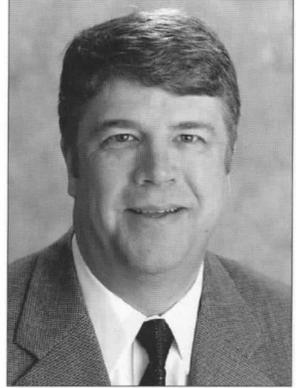
“Design for Crack Control in Reinforced and Prestressed Concrete Beams, Two-Way Slabs and Circular Tanks—A State of the Art,” *Design and Construction Practices to Mitigate Cracking*, SP-204, E.G. Nawy, F.G. Barth, and R.J. Frosch, eds., American Concrete Institute, Farmington Hills, Mich., pp. 1-42.

(for bio see page 59)

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 his outstanding performance as ACI Committee 201 Chair, in advancing the publication of “Guide to Durable Concrete (ACI 201.2R-01),” and in organizing technical sessions at the 2001 Dallas Convention, including “Concrete Durability Chemical Attack”



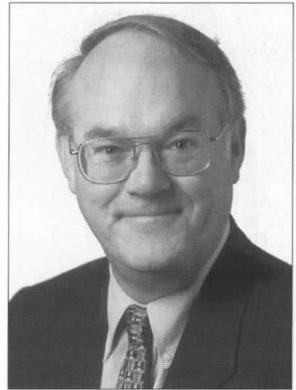
Robert C. O'Neill

(for bio see page 59)

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 his exemplary commitment and leadership as ACI Committee 347 Chair, resulting in completion of the “Guide to Formwork for Concrete (ACI 347-01)” and furthering the update of SP-4, Formwork for Concrete”

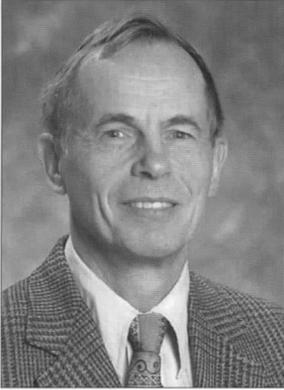


David W. Johnston

(for bio see page 60)

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



Richard S. Orr

“for his meticulous organization and leadership skills as ACI Committee 349 Subcommittee Chair, in the development of the Concrete Capacity Design Method, published in ACI 349/349R-01, Appendix B”

(for bio see page 60)

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



William E. Rushing, Jr.

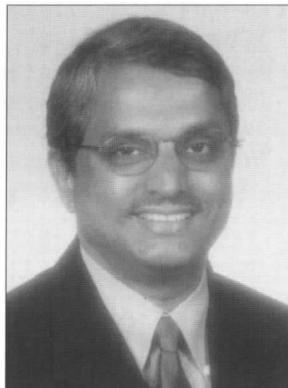
“for his dedicated service to ACI International and the ACI Louisiana Chapter”

(for bio see page 61)

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 International. Nominations come from the Chapter Activities Committee and are approved by the Board.

Chapter Activities Award

*“for his dedicated service to the ACI India Chapter,
and his years of service to the concrete industry”*



S. K. Manjrekar

(for bio see page 61)

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 International. Nominations come from the Chapter Activities Committee and are approved by the Board.

Walter P. Moore, Jr., Faculty Achievement Award

*“in recognition of excellence and innovation in developing
and teaching concrete pavement, concrete technology,
and concrete materials programs. Delatte is
commended for efforts that greatly contributed to the
success of the UAB Research Experiences for
Undergraduates Site in Structural Engineering. The
National Science Foundation-funded program brings
in eight students per year from across the country to
learn structural engineering”*



Norbert J. Delatte, Jr.

(for bio see page 62)

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

2003

Presented to ACI member Yahya C. Kurama at the 2003 Structures Congress and Exposition on Friday, May 30, 2003, in Seattle, WA, *“for the paper, ‘Design for Rectangular Openings in Precast Walls Under Combined Vertical and Lateral Loads,’ PCI Journal, March-April 2002.”*

Concrete Research Council — Robert E. Philleo Award



“in recognition of outstanding contributions to the advancement of concrete technology through materials research”

(for bio see pages 62-63)

David W. Fowler

The **Robert E. Philleo Award** of the Concrete Research Council, ACI International, 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.

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 57 possible points. Those chapters receiving 37 or more points are deemed to have achieved a ranking of "excellent." Those receiving a minimum of 29 points up to a maximum of 36 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

To be announced at the Awards Program.

OUTSTANDING CHAPTERS

To be announced at the Awards Program.

Award Recipient Biographies

HONORARY MEMBERSHIP — **David P. Billington** (see page 5)

HONORARY MEMBERSHIP — **W. Gene Corley** (see page 6)

HONORARY MEMBERSHIP — **Francis J. Principe** (see page 7)

HONORARY MEMBERSHIP — **Dean E. Stephan** (see page 8)

HONORARY MEMBERSHIP — **Augusto Carlos de Vasconcelos** (see page 9)

FELLOWS

Diane L. Baloh is Director, Sales and Membership, of the American Concrete Institute, Farmington Hills, MI. She currently serves as staff liaison to the Membership Committee and the IC International Membership Subcommittee. She is a former staff liaison to the Fellows Nomination Committee.

Since joining the ACI staff in 1983, Baloh has held numerous positions in accounting, member services, and marketing. She was instrumental in establishing ACI's centralized member/customer services department. Her current responsibilities include publication sales and membership of the Institute.

Nemkumar Banthia is a Professor of Civil Engineering at the University of British Columbia in Vancouver, BC, Canada. After he received his PhD in 1987, he taught at Université Laval in Quebec City for 5 years before taking his present position in 1992.

Banthia is a member of ACI Committees 440, Fiber Reinforced Polymer Reinforcement; 446, Fracture Mechanics; 506, Shotcreting; 549, Thin Reinforced Cementitious Products and Ferrocement; and E 801, Student Activities. He is also a member and Chair of ACI Committee 544, Fiber Reinforced Concrete. ACI awards include the WG Hislop Award, British Columbia Chapter, and the Wason Medal for Materials Research, 1997. He is a member and Chair of the Canadian Society for Civil Engineering, Materials Division, and of RILEM's (Paris) FRP-Concrete Bond Committee.

Other honors and awards include the Best Paper Award from the American Society of Civil Engineers (ASCE), and Elsevier's *Journal of Cement and Concrete Composites*; the Earth Science Systems Research Award of the ASCE Conference on Structural Faults and Repairs; and the Science and Technology Agency of Japan Award.

His primary research interests include fiber-reinforced concrete and fiber-reinforced polymers. In the latter field, he recently pioneered the technique of structural strengthening using sprayed fiber-reinforced polymers. He has edited/co-edited 10 volumes of conference proceedings, monographs, and books related to concrete, published over 200 technical papers, and holds three international patents. He serves as the Associate Editor for ASCE's *Journal of Materials in Civil Engineering* and serves on several international editorial boards, including the *Journal of Cement and Concrete Composites*, and the *Journal of the Indian Concrete Institute*.

Banthia received his PhD from the University of British Columbia in 1987. He is a professional engineer in the province of British Columbia.

Award Recipient Biographies

Roger J. Becker is Vice President, Precast Division, The Spancrete Group, Waukesha, WI. Spancrete designs, produces, and installs precast concrete components and systems. Prior to joining Spancrete, he worked as a consulting engineer for 26 years, focusing on precast concrete design and research.

Becker is a member of ACI Committees 318, Structural Concrete Building Code; 318-E, Shear and Torsion; and 318-G, Precast and Prestressed Concrete. He is also active in the Precast/Prestressed Concrete Institute (PCI) where he serves on the Technical Activities Committee, the Research and Development Committee, and the Hollow Core Slab Producers Committee. He is also Chair of the PCI Building Code Committee.

He received a bachelor of science degree in 1972, and a master of engineering degree in 1973 from the University of Wisconsin, Milwaukee, WI. He is a licensed professional engineer in Wisconsin, Ohio, and Michigan and a licensed structural engineer in Illinois.

Casimir J. Bognacki is General Manager of the Materials Engineering Division at the Port Authority of NY and NJ. He has more than 30 years of experience in construction materials. His responsibilities at the Port Authority include managing inspection and testing services for all construction materials and investigating and incorporating the latest in materials technology into construction and maintenance work at Port Authority facilities.

An ACI member for over 15 years, Bognacki is a member of ACI Committees 121, Quality Assurance Systems for Concrete; 211, Proportioning Concrete Mixtures; 214, Evaluation of Results of Tests Used to Determine the Strength of Concrete; and 304, Measuring, Mixing, Transporting, and Placing Concrete. He is a Past President of the New Jersey ACI Chapter and currently serves as Treasurer.

Bognacki received his BS and MS in civil engineering from the Polytechnic Institute of Brooklyn. He is a professional engineer.

Mark A. Bury is a Senior Product Manager in the Admixture Product Marketing Group with Master Builders, Inc. He has been with Master Builders for 23 years, serving in research, customer service, and marketing capacities. He has authored and co-authored many published papers in various concrete industry-related journals. In 1983, he initiated the world's first research program to study concrete in microgravity, and he earned a U.S. patent in 1993 for developing a commercially available corrosion-inhibiting admixture for steel reinforced concrete.

Bury is a member of ACI Committees 232, Fly Ash and Natural Pozzolans in Concrete; 234, Silica Fume in Concrete; 332, Residential Concrete Work; 357, Offshore and Marine Concrete Structures; and 544, Fiber Reinforced Concrete. He has given numerous educational presentations on concrete technology at various industry meetings at the local, national, and international level. His research interests include the development and implementation of self-consolidating concrete

Award Recipient Biographies

technology for mainstream concrete use. Bury was awarded the Master Builders Master Merit Award, 1998 and 1994; the Manager's Award for Excellence, 1987; and the President's Award, 2001.

Bury received his associate's degree in applied science from Cuyahoga Community College and his bachelor's degree in business administration from Baldwin Wallace College.

Ned M. Cleland has been President of Blue Ridge Design, Inc., since 1986. His 28 years of experience in structural analysis, design, research, and engineering management includes familiarity with Fast Track and Design/Build construction requirements. He has designed or directed the design of more than 150 parking garages, and has designed several commercial, institutional, and bridge projects, including the Primary Care Center for the University of Virginia Hospital in Charlottesville, VA.

Cleland is a member of ACI Subcommittee 318-H, Seismic Provisions; ACI Committee 362, Parking Structures; and Joint ACI-ASCE Committee 550, Precast Concrete Structures. He is a Fellow of the Precast/Prestressed Concrete Institute (PCI), and Past Chair of the Virginia Structural Engineers Council, which he has represented to the National Council of Structural Engineering Associates (NCSEA) for 4 years. In 1987, Cleland was appointed to the Virginia Board of Geology, of which he is a Past Chair. He is currently a member of Technical Subcommittee 4 for Concrete of the Building Seismic Safety Council (BSSC), which is charged with the update of recommended seismic code provisions in the National Earthquake Hazard Reduction Program (NEHRP), sponsored by FEMA. He is also a member of ASCE, the Construction Specifications Institute, and the National Society of Professional Engineers (NSPE).

Awards include the Martin P. Korn Award from PCI for a paper on the design of precast concrete shear walls for seismic loads, 1998; the Young Engineer of the Year Award from the Virginia Society of Professional Engineers, 1985; and the Engineer of the Year Award from NSPE, 1986.

Cleland received his BS and his MEng in civil engineering from Rensselaer Polytechnic Institute in 1973 and 1974, respectively, and his PhD from the University of Virginia in 1984. He is a registered professional engineer in 16 states, as well as the District of Columbia.

Christopher R. Crouch is the Vice President of the Eastern Region for RMC Industries Corp., the largest concrete producer in the U.S. He is also Vice President of Corporate Technical Services, Marketing, and Business Development functions.

He has been serving the concrete industry for the past 23 years, beginning his professional career with the Portland Cement Association (PCA). He has been an active member of ACI for the past 19 years, including Past President

Award Recipient Biographies

of the Northern California chapter. An ACI member, Crouch serves on ACI Committees 225, Hydraulic Cements; 229, Controlled Low-Strength Materials; 332, Residential Concrete Work; and Marketing.

Crouch received a BS from the University of Southern Illinois, and has a number of other professional credentials.

Neil A. Cumming is President of Levelton Engineering Ltd., Vancouver, BC, Canada. He has more than 25 years of experience as a consultant in the fields of concrete technology, repair and restoration of concrete structures, roller compacted concrete, heavy duty pavements, and durability and service life of concrete structures. His experience also extends to asphalt paving mixtures and condition assessment of timber structures.

An ACI member for more than 20 years, Cumming serves on ACI Committees 228, Nondestructive Testing of Concrete; 309, Consolidation of Concrete; 325, Concrete Pavements; 345, Concrete Bridge Construction, Maintenance, and Repair; and 362, Parking Structures. He is also a member of the ACI British Columbia Chapter, and the ACI 2003 Spring Convention Organizing Committee.

He is also active with the Canadian Standards Association (CSA), currently serving as Vice Chair of Committee A23.1/A23.2-00 on Concrete Materials and Methods of Concrete Construction/Methods of Test for Concrete. He is Chair of the Interpretations Subcommittee of CSA-A23.1, and is Vice President of the Consulting Engineers of British Columbia, an organization representing the business interests of BC consulting engineering companies.

Cumming received his bachelor of applied science in civil engineering from the University of British Columbia in 1977.

Thomas J. D'Arcy is President of the Consulting Engineers Group of Texas, a position he has held since he founded the Texas office 20 years ago. He has been active in the precast concrete industry for 40 years, specializing in the design and construction of precast prestressed concrete structures and authoring many articles on the subject.

D'Arcy is a member of ACI Committees 362, Parking Structures, and Joint ACI-ASCE Committee 550, Precast Concrete Structures. He has authored several chapters of ACI Committee 362's "State-of-the-Art Report" and is currently chapter author for the proposed "Standard for Parking Structure Design." He has also been a member of ACI's Committee on Nominations. He has lectured nationally for the ACI seminar "Parking Structures" and has made presentations at eight of the last 10 ACI conventions.

D'Arcy pioneered the design and construction of precast systems, such as the lite wall and pocketed spandrel system, and bolted connections to alleviate the effect of volume change strains in parking structures, all of which have become industry standards. His experience includes the design and construction of over 300 parking structures.

Award Recipient Biographies

D'Arcy received a BSCE in structural engineering from the University of Illinois at Urbana-Champaign. He is a registered professional and structural engineer in 20 states.

Dale H. Diulus is Vice President, Fly Ash Products, at the Phoenix Cement Co. in Arizona, where he has been employed since 1989.

Diulus began his professional career as a civil engineer with the Kennecott Copper Co. in Salt Lake City, UT, after graduating from Arizona State University in 1981. In 1984, he joined the Portland Cement Association (PCA) as a field and paving engineer for the Utah/Southern Idaho territory. During that time, he became a professional engineer in the state of Utah; he is also registered in the state of Arizona.

He is a member of ACI Committees 230, Soil Cement; 232, Fly Ash and Natural Pozzolans in Concrete; and a member and Past Chair of ACI Committee 330, Concrete Parking Lots and Site Paving. He is a past member of ACI Committee 325, Concrete Pavements, has been a speaker/instructor for the ACI seminar "Concrete Site Paving," and was an examiner for the Certification Program for Level I Field Concrete Technician Certification.

Diulus has been involved in local ACI chapters and has been a member of the Intermountain Chapter since 1984 and the Arizona Chapter since 1989; he has served on the Board of Directors, as well as serving as President, Past President, and Secretary. He has also served as Chair of the Program Committee, the Education Committee, the Awards Committee, and the ACI Fall 2002 Phoenix Convention.

Diulus received his BS from Arizona State University in 1981.

Alphonse E. Engelman is CEO of Engelman Construction and Bethlehem Pre-Cast, a family-owned business started in 1974.

He is a member of ACI Committees 301, Specifications for Concrete; 302, Construction of Concrete Floors; 306, Cold Weather Concreting; 325, Concrete Pavements; 551, Tilt-Up Concrete Construction; C 650, Tilt-Up Constructor Certification; and the Construction Liaison Committee (CLC). Engelman also participates in the Strategic Development Council (SDC) sponsored by ACI and the Concrete Alliance sponsored by PCA, NRMCA, and ACPA.

Engelman serves as President of the American Society of Concrete Contractors (ASCC) and on the Board of Directors of the Tilt-Up Concrete Association. He also serves on several ASTM committees, as well as committees of the National Precast Concrete Association (NPCA), the National Ready Mixed Concrete Association (NRMCA), and the American Subcontractors Association.

Engelman received his BS in civil engineering from the University of Detroit in 1958, and is a registered professional engineer in Pennsylvania and Wisconsin.

Chiara F. Ferraris is a Physicist in the Materials and Construction Division of the NIST Building and Fire Research Laboratory. Prior to joining NIST in 1994, she was a research physicist at W.R. Grace Research Center from 1987 to 1993.

Award Recipient Biographies

Ferraris is Chair of ACI Committee 236, Material Science of Concrete, and ACI 236 Subcommittee A, Workability of Fresh Concrete, which she helped establish. She is also a member of ACI Committee 235, Knowledge-Based Systems and Mathematical Modeling for Concrete Materials, where she served as Vice Chair, 2000-2002. She is also a member of ACI Committees 201, Durability of Concrete; 212, Chemical Admixtures; 304, Measuring, Mixing, Transporting, and Placing Concrete; and 309, Consolidation, as well as a past member of ACI Committee 234, Silica Fume in Concrete, and of the Membership Committee.

She is a member of ASTM, RILEM, and the Society of Rheology, and she has authored and co-authored numerous papers on rheology and on other topics related to building materials. She and her co-workers were awarded three patents dealing with concrete admixtures in 1993 and 1994. Her research interests include the rheology of concrete and cementitious materials.

Ferraris received her MSC in physics and her PhD from the Swiss Federal Institute of Technology, Lausanne, Switzerland.

Terry J. Fricks is President of Fricks Floor Systems, a Fort Worth, TX-based company that specializes in the construction of concrete floor slabs nationwide.

Fricks is a member of ACI Committees 223, Shrinkage-Compensating Concrete; 302, Construction of Concrete Floors; and 360, Design of Slabs on Ground.

He has over 40 years of experience in the construction industry. He has promoted excellence in concrete floor slab construction through numerous publications and educational seminars for ACI and other professional organizations, and through field practice in his daily work. He has received the ACI Wason Medal for Most Meritorious Paper.

Robert J. Frosch is an Associate Professor of Civil Engineering at Purdue University, West Lafayette, IN. He has been at Purdue for the past 6 years, where he has been active in both research and teaching, specializing in structural engineering. Previously, he worked with Modjeski and Masters Consulting Engineers, New Orleans, LA, on several projects, including the seismic retrofit of the San Mateo Bridge crossing the San Francisco Bay in California.

An ACI member, Frosch is Secretary of ACI Committee 224, Cracking, and also serves on ACI Committees 318-C, Safety, Serviceability, and Analysis; 318-TG1, Task Group on Slender Columns; 408, Bond and Development of Reinforcement; 440, Fiber Reinforced Polymer Reinforcement; and E 803, Faculty Network Coordinating Committee.

Awarded the 2002 ACI Young Member Award for Professional Achievement "for his innovative and inspired teaching of reinforced concrete, and his contributions to the solution of the crack control problem in reinforced concrete," Frosch has also been recognized by his students and colleagues at Purdue through his receipt of the Harold Munson Teaching Award and the Roy E. and Myrna Wansik Civil Engineering Research Award.

Award Recipient Biographies

He received his BSE from Tulane University, New Orleans, LA, in 1991 and his MSE and PhD from the University of Texas at Austin, Austin, TX, in 1992 and 1996, respectively. He is a registered professional engineer in Indiana and Louisiana.

John R. Hayes, Jr., is a Structural Engineer and Group Leader for the Construction Engineering Research Laboratory, U.S. Army Engineer Research and Development Center, U.S. Army Corps of Engineers, Champaign, IL. He has served in this position since 1988.

Prior to 1988, he served as a research civil engineer and was Senior Scientist at the U.S. Air Force Engineering and Services Laboratory for 4 years, a structural engineer at the U.S. Air Force Armament Division for 2 years, an assistant professor of civil engineering at the Virginia Military Institute for 2 years, and a civil engineer officer in the U.S. Air Force for 5 years. Prior to his service in the Air Force, he served in several junior engineering positions with the Virginia Department of Transportation and the Virginia Highway Research Council. Hayes was an active participant in the Mid-America Earthquake Center for several years. He retired as a Lieutenant Colonel in the U.S. Air Force Reserve in 1995, where he served as a civil engineer staff officer.

Hayes is currently Secretary of ACI Committees 369, Seismic Repair and Rehabilitation, and 374, Performance-Based Seismic Design of Concrete Buildings. He is also a member of ACI Committees 444, Experimental Analysis for Concrete Structures, and Joint ACI-ASCE Committee 352, Joints and Connections in Monolithic Concrete Structures. He served as a member of the ACI Journal Oversight Team, 1999-2001, and as the Air Force Organizational Member for the Concrete Materials Research Council, 1986-1988.

Hayes received his BSCE from the Virginia Military Institute, Lexington, VA, in 1973, his ME from the University of Virginia in 1975, and his PhD from the University of Illinois at Urbana-Champaign in 1998. He is a registered professional engineer in Virginia and Florida.

Donald J. Janssen is an Associate Professor of Civil Engineering and teaches materials classes for both the Department of Civil Engineering and the Department of Construction Management at the University of Washington.

An ACI member since 1987, Janssen is a member of ACI Committee 201, Durability of Concrete. He is also a member of the ACI Washington Chapter, and has been on the Board of Direction since 2000.

His research interests include frost damage in concrete, durability, nondestructive testing of concrete, and general concrete properties. Most comfortable in the laboratory, he is a firm believer in the tenet that one good test is worth a thousand expert opinions.

Janssen received his PhD from the University of Illinois in 1985.

Award Recipient Biographies

Nicholas A. Legatos is Vice President and Manager of Engineering of Preload Inc., designers and builders of prestressed concrete tanks for liquid storage, where he has worked for the past 32 years. In the 1970s and 1980s, he directed the design of double-containment, prestressed concrete tanks for the storage of liquefied gases (LNG and LPG) as part of Preload's worldwide pioneering work in the use of concrete for cryogenic liquid storage.

An ACI member since 1955, Legatos is a member of ACI Committees 350, Environmental Engineering Concrete Structures, where he is a subcommittee Chair, and a member and Past Chair of 372, Circular Concrete Structures Prestressed by Wrapping with Wire or Strand. He is also a past member of ACI Committee 373, Circular Concrete Structures Prestressed with Circumferential Tendons, and Joint ACI-ASCE Committee 442, Response of Concrete Buildings to Lateral Forces (discharged). In 2002, he received ACI's Delmar L. Bloem Award, and additional honors include membership in Tau Beta Pi and Phi Kappa Phi.

Legatos is an active member of NFPA Committees 59A, Liquefied Natural Gas, and 22, Water Storage Tanks, where he has served as an ACI representative for the past 12 years, and CSA Committee Z276, the Canadian committee on liquefied natural gas. He is the ACI Committee 350 liaison on the Building Seismic Safety Council (BSSC), where he serves as a member of Subcommittee TS-13, Nonbuilding Structures. He has authored many papers on earthquake design and the design of cryogenic liquid storage tanks.

Legatos received his BS degree in civil engineering from the University of Maine, and an MS in civil/structural engineering from the University of Illinois at Urbana-Champaign. He is a licensed professional engineer in 27 states and three Canadian provinces and a licensed structural engineer in Illinois.

Colin L. Lobo is Vice President of Engineering at the National Ready Mixed Concrete Association (NRMCA). He has been with NRMCA for 11 years. In addition to managing the NRMCA Engineering Division, his responsibilities include coordinating the programs of the NRMCA Research, Engineering and Standards Committee; NRMCA's research programs; NRMCA's certification of concrete production facilities; NRMCA technical training programs; and developing NRMCA technical publications.

He is a member of ACI Committees 211, Proportioning Concrete Mixtures; 214, Evaluation of Results of Tests Used to Determine the Strength of Concrete; 228, Nondestructive Testing of Concrete; 318, Structural Concrete Building Code; and E 701, Materials for Concrete Construction. He is Secretary of ACI Committee 301, Specifications for Concrete. He is also a member of the ACI Board Task Group on Sustainable Development. He serves on several ASTM subcommittees on standards for cement and concrete and participates in technical panels and committees of other organizations.

Lobo has published several papers on materials research in ACI and other publications, and has received an award from the ACI National Capital Chapter for

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a paper in ACI's *Concrete International* magazine. He is also an examiner for the ACI Certification programs administered through NRMCA programs.

Lobo received his bachelor's degree in civil engineering from Mysore University in India, his MS in civil engineering from Northeastern University, and his PhD from Purdue University. He is a registered professional engineer in Maryland.

Clifford N. MacDonald is a Senior Engineer with Braun Intertec Corp., Building Sciences and Materials Engineering Group, Minneapolis, MN.

An ACI member since 1977, MacDonald is a member of ACI Committees 544, Fiber Reinforced Concrete; the International Membership Committee; and a current member and Past Chair of the Membership Committee. He is also a past member of the Financial Advisory Committee (FAC) and has held ACI Chapter memberships in the Dakota, Michigan, and Iowa-Minnesota Chapters. He is also a member of several professional societies, including the American Society of Civil Engineers (ASCE), ASTM, and the Transportation Research Board (TRB), where he has presented papers and chaired sessions.

MacDonald has 24 years of experience and has been recognized for his contributions to fiber-reinforced concrete in the areas of development, construction applications, and research, including two patents. His roles and responsibilities have included project management, design, technical sales, and technical service. In addition, he developed a concrete kit to provide young people with hands-on scientific experience, as well as a program about the scientific method and concrete material behavior that approximately 20,000 young people have viewed or participated in since 1991. He also discovered a structural analysis method for torsion moment in ring-shaped beams.

MacDonald obtained his BS and MS in civil engineering in 1976 and 1978, respectively, from the South Dakota School of Mines and Technology.

Thomas O. Malerk has worked for the Florida Department of Transportation (FDOT) in the materials testing field for more than 32 years. He is currently serving as the State Materials Engineer at the State Materials Office in Gainesville.

Moving to Florida in 1968 to study to be an oceanographer, life took an abrupt change, which led to the FDOT. Malerk started his career with the FDOT in 1971 at the Miami Testing Laboratory drafting soils and foundation surveys. He transferred to the State Materials Office in 1973, where he advanced to State Soils Research Engineer. In 1979, he moved to DeLand to take a position as District Geotechnical Engineer until 1985 when he became the District Five Materials Engineer. In 1997, he was appointed to the position of State Materials Engineer and, once again, moved back to Gainesville.

Malerk has been involved with ACI certification programs since 1985 and is dedicated to promoting the quality of concrete through training and certification. He is a member of ACI Committees C 610, Field Technician Certification, and C 630, Construction Inspector Certification. He is also a member and Chair of ACI's

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Certification Programs Committee (CPC) and is a Past Chair of ACI's Educational Activities Committee (EAC) and other CPC committees, including Concrete Inspector and Transportation Inspector.

In related areas, Malerk is also the Chair of SETFTTQ (Southeast Task Force on Technician Training and Qualification), the AASHTO Subcommittee on Materials representative for the TCCC (Transportation Curriculum Coordination Council), and a key member of Florida's Construction Training and Qualification Program.

He received his master's degree in geotechnical engineering from the University of Florida.

Nicholas F. "Nick" Maloof is General Manager of Technical Promotion for Thomas Concrete Industries, based in Atlanta, GA. He oversees Thomas' ISO 9001 Quality Management System, as well as Thomas Concrete Academy, the company-wide training program for Thomas' U.S. operations.

An ACI member since 1984, Maloof is an ACI Flatwork Finishing Technician and Examiner, Level I Technician and Examiner, and a NRMCA Certified Instructor. He is a member and Past President of the Georgia Chapter Board of Directors, and was a Distinguished Chapter Member in 1995. He is also a member and Past Chair of the ACI Georgia Chapter Awards Committee and a member of the Georgia Chapter Convention Committee.

He is active in the promotion and technological advancement of ready-mix concrete and concrete materials, as well as environmental issues in the following organizations: Georgia Concrete & Products Association, of which he is Chair of the Technical Activities Committee; the Georgia Concrete Advisory Board, of which he is a member of the Board of Direction; a member of ASTM Committees C-9, Concrete and Aggregates, and C-94, Ready Mixed Concrete; the National Ready Mixed Concrete Association (NRMCA), and a member of the Civil Engineering Curriculum Advisory Board at the Southern Polytechnic State University, Marietta, GA.

Maloof studied electrical engineering technology in the U.S. Navy and at the Southern Polytechnic State University, Marietta, GA, and has 29 years of continuous training in concrete design and control and concrete technology in the ready-mix concrete industry.

Anand S. Mehta is Principal Engineer/Construction Manager for DTE Energy Inc., Detroit, MI, where he has been responsible for the engineering, design, and construction of structures for electrical substations, as well as the repair/rehabilitation of existing structures for the past 28 years.

An ACI member for the last 22 years, Mehta is a member of ACI Committee 121, Quality Assurance Systems for Concrete, a Past President of the ACI Michigan Chapter, and a past member of the International Chapter Activities Committee. He has developed innovative design and construction techniques for concrete structures for electric power distribution structures using new technology,

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such as steel fibers and cement stabilized by fly ash. He has been recognized for his innovative work for both new as well as repair/restoration work related to concrete and masonry, and is the author of technical papers in the geotechnical area and concrete caisson design foundations.

Mehta received his BS in civil engineering from Panjab Engineering College, Chandigarh, India, and his MS in civil engineering from Wayne State University, Detroit, MI. He is a registered professional engineer and a certified construction specifier.

Christian Meyer is a Professor of Civil Engineering at Columbia University in the City of New York, where he has been on the faculty since 1978.

An ACI member, Meyer serves on ACI Committees 446, Fracture Mechanics; Joint ACI-ASCE Committee 447, Finite Element Analysis of Reinforced Concrete Structures, of which he is a Past Chair; 544, Fiber Reinforced Concrete; 555, Concrete with Recycled Materials, of which he is the incoming Chair; and the ACI Board Task Group on Sustainable Development. He is a past member of ACI Committees 118, Use of Computers, and 442, Response of Concrete Buildings to Lateral Forces. Meyer has written over 160 technical articles, including a textbook on the design of concrete structures. His primary interests are related to analysis and design of structures, in particular concrete structures, as well as materials science and technology. He is the recipient of the prestigious research award from Germany's Alexander von Humboldt Foundation.

Meyer completed his undergraduate studies at the Technical University Berlin and received his MS and PhD from the University of California at Berkeley.

Rita K. Oglesby is Vice President at H.S. Kwoh & Associates, Inc., Tampa, FL, where she has been employed since 1983. She previously served as Technical Director of System Development, providing solutions for technical problems.

Oglesby is Chair of the ACI Convention Committee, Secretary of ACI Committee 342, Evaluation of Concrete Bridges and Bridge Elements, and a member of ACI Committees 348, Structural Safety, and Marketing.

She has been involved in projects that include the load-capacity rating analysis of bridges for the Florida Department of Transportation (FDOT), Sarasota County, FL, and the Indiana Department of Transportation and the development of engineering software to perform load-capacity rating analysis on complex trusses, simple span bridges, and continuous bridges of various material types. The software has graphical user interface for input and display of results, and is designed to accommodate an individual user's needs. She also performs building inspection of structures for the City of St. Petersburg, FL.

Oglesby received her BSCE and MSE from the University of South Florida, Tampa, FL, in 1982.

Byung Hwan Oh is a Professor of Civil Engineering at the Seoul National University and has been a professor for more than 20 years.

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Oh has served on many ACI technical committees, including 215, Fatigue of Concrete; 224, Cracking; and 446, Fracture Mechanics. He has also served as an author and reviewer and has published over 200 papers in ACI and other journals.

Awards include the ACI/CANMET International Award for his outstanding original contribution in concrete technology at the Fifth ACI/CANMET International Conference in July 2001, and the Most Meritorious Paper Award from the Korea Concrete Institute (KCI), 1993 and 2002; from the Korean Society of Civil Engineers (KSCE), 1986, 2000, and 2002; and from the Korea Union of Science and Technology Society, 1992 and 1998. He also served as the Vice President of the ACI Korea Chapter, 1993-1994; as the Editor-in-Chief of the *KCI Journal*; and as Vice President of the Korea Institute of Structural Maintenance Inspection.

Oh received his BS and MS from Seoul National University in 1973 and 1979, respectively, and his PhD in concrete structures from Northwestern University, Evanston, IL, in 1982.

Patrick Paultre is Professor of Civil Engineering and Canada Research Chair in Earthquake Engineering at the University of Sherbrooke, Quebec, Canada, where he has been a faculty member since 1987.

Paultre is a member of Joint ACI-ASCE Committee 352, Joints and Connections in Monolithic Concrete Structures, and Joint ACI-ASCE Committee 441, Reinforced Concrete Columns.

In 2002, he was co-recipient of ACI's Wason Medal for Most Meritorious Paper for the paper, "Behavior of High-Strength Concrete Columns under Cyclic Flexure and Constant Axial Load." In 1991, he was co-recipient of the Canadian Society of Civil Engineering's Gzowski Medal for the paper, "Assessment of Some Canadian Seismic Code Requirements for Concrete Frame Structures," and in 1996 he was co-recipient of ASCE's Moisseiff Award for the paper, "Role of Spandrel Beams in Slab-Beam-Column Connections Subjected to Seismic Loading." He is also a Fellow of the Canadian Society of Civil Engineering.

Paultre received his BS in civil engineering and his MScA in structural engineering from Ecole Polytechnique, Montreal, Canada, and his PhD in civil engineering from McGill University, Montreal, Canada.

Karl-Heinz Reineck is an Associate Professor at the University of Sarajevo.

He is a member of ACI Committee 357, Offshore and Marine Concrete Structures; Joint ACI-ASCE Committee 445, Shear and Torsion; and subcommittees of 445. He is a past member of ACI Subcommittee 445-1, State-of-the-Art Report on Shear Design. He is also a member of the German Concrete Association (DafStb), *fib*, the German Engineers Association (VDI), and IABSE. His theoretical and experimental research in the field of structural concrete covers theories and models for the shear design, the structural behavior of concrete shells for containments and for concrete offshore platforms, structural concrete design with strut-and-tie models, and the behavior and ductility of concrete structures. His practical experience covers expertise on

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damages and design checks of bridges, buildings, silos, and concrete offshore platforms, as well as the design of two large hot water tanks out of prestressed concrete for the storage of solar heat.

He has extensive teaching experience in the behavior and design of concrete structures and is in charge of the research groups Theory of Structural Concrete, as well as Hot Water Tanks for Seasonal Storage of Solar Heat.

Reineck graduated with a Diplom-Ingenieur of civil engineering with extension courses in structural engineering at the University of Stuttgart in 1968. In 1990, he graduated from the University of Stuttgart with a Dr.-Ing.

Bruce W. Russell is Associate Professor of Civil and Environmental Engineering at Oklahoma State University (OSU) where he teaches and conducts research in prestressed concrete and concrete materials. Before joining the faculty at OSU in January 2002, Russell was an associate professor at the University of Oklahoma (OU). Prior to that, he was employed by Dresser Engineering Co. of Tulsa, OK, with experience ranging from civil and structural design to project management.

An ACI member, Russell is Chair of the ACI Publications Committee and Joint ACI-ASCE Committee 423, Prestressed Concrete. He is also a member of Subcommittee 318-G, Precast and Prestressed Concrete. His awards include the Martin P. Korn Award from the Precast/Prestressed Concrete Institute (PCI), 1993; the T.Y. Lin Award from ASCE, 1994; and the George W. Tauxe Outstanding Professor Award from the student chapters of ASCE and Chi Epsilon at the University of Oklahoma, 1995 and 1996.

His research has improved the understanding of mechanisms that contribute to bond between steel prestressing strand and concrete, and he has developed behavioral models to help understand the interaction between bond, shear, and flexural behavior. He is currently working on developing a standard test to assure the bond performance of prestressing strands.

Russell received his BSCE and MCE from Rice University in 1980 and 1985, respectively, and his PhD from the University of Texas at Austin in 1992.

Rajan Sen holds the Samuel and Julia Flom Chair in the Department of Civil and Environmental Engineering at the University of South Florida, Tampa, FL, where he has been a faculty member for the past 18 years. Prior to his faculty appointment, he was with the Highways Engineering Computer Branch and Bridges Engineering Standards Division in the UK's Department of Transport in London for over 10 years.

He is a member of ACI Committees 215, Fatigue of Concrete; 440, Fiber Reinforced Polymer Reinforcement; and 444, Experimental Analysis for Concrete Structures.

His research interests include bridge structures and durability and strengthening applications of fiber-reinforced polymers. His research findings led to the design and construction of Florida's first post-tensioned voided slab bridge (opened to

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traffic in 1993), the design of a double composite bridge, and to changes in the state's design specifications for seal slabs for cofferdams.

He received his BTech from the Indian Institute of Technology, Kharagpur, India, his MASc from the University of British Columbia, Vancouver, Canada, and his PhD from the State University of New York at Buffalo. He is a registered professional engineer in Florida.

Shiraz D. Tayabji serves as Regional Manager of the Columbia, MD, office of Construction Technology Laboratories, Inc. He has been with CTL for more than 14 years, and previously worked as a Division Manager at Law Engineering; as the President of Transportation Technologies USA, Inc.; and as a Regional Vice President with ERES Consultants, Inc.

Tayabji is actively involved in developing, improving, and implementing technologies for highway and airfield pavements, with specialization in concrete pavements. He has provided consulting services on problems related to airfield concrete pavements at several U.S. airports and on problems related to highway concrete pavements in several states. He has also conducted R&D activities for the industry, the Federal Highway Administration (FHWA), the National Cooperative Highway Research Program (NCHRP), and several state departments of transportation (DOTs).

He has authored/co-authored more than 50 published technical reports and peer-reviewed papers published in professional journals. Subject areas include various aspects of pavement design, construction, materials testing, field evaluation, pavement instrumentation, and rehabilitation.

He is a member and Past Chair of ACI Committee 325, Concrete Pavements, and a past member of ACI Committees 121, Quality Assurance Systems for Concrete; 228, Nondestructive Testing of Concrete; and 545, Concrete Railroad Ties (discharged). He is a Director and newsletter editor of the National Capital Chapter of ACI. He serves as the President of the International Society for Concrete Pavements, and is a Member Emeritus of the Transportation Research Board's Committee A2B04, Pavement Rehabilitation.

Tayabji received his BSc in civil engineering in 1970 from the University of East Africa, Nairobi, Kenya, and his MS and PhD in civil engineering in 1972 and 1976, respectively, from the University of Illinois, Urbana, IL. He is a registered professional engineer in Illinois, Pennsylvania, Maryland, Delaware, Virginia, and New Jersey.

ARTHUR R. ANDERSON AWARD

Robert F. Mast is Senior Principal and Director of Engineering Development at BERGER/ABAM Engineers, Inc., Federal Way, WA. During his 43-year tenure with the firm and its predecessors, he has served in positions ranging from Junior Engineer to President and Chairman of the Board of Directors.

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Throughout his many years of involvement with ACI, Mast's contributions extend from membership on several committees to ACI President, 1995. He is a member of ACI Committee 318, Structural Concrete Building Code; the Concrete Research Council (CRC); TAC Technology Transfer Committee (TTTC); the Concrete Research and Education Foundation (ConREF); and the Honors and Awards Committee. He is a past member of the Technical Activities Committee (TAC); Joint ACI-ASCE Committee 352, Joints and Connections in Monolithic Concrete Structures; 550 (formerly Committee 512), Precast Concrete Structures; and eight other committees, including the Executive, Awards, Personal Awards, ACI Young Member Award, Honorary Membership, Responsibility in Concrete Construction, and Standards Board.

Mast's awards include ASCE's T.Y. Lin Award, 1969, 1973, and 2002; the Boise Award, 1997; the OPAL (Outstanding Projects and Leaders) Award; and the Lifetime Achievement Award for Design, 2001. He has also been recognized by the Consulting Engineers Council of Washington with the Engineer of the Year Award, 2000; and from the Precast/Prestressed Concrete Institute (PCI) with the Medal of Honor, 2001; the Martin P. Korn Award, 1992 and 2001; and the Charles C. Zollman Award, 2002.

Mast received his bachelor's degree in architectural engineering from the University of Illinois at Urbana-Champaign in 1957. He has served in the U.S. Army.

ROGER H. CORBETTA CONCRETE CONSTRUCTOR AWARD

Brad D. Inman is Project Construction Manager for the Asian Art Museum of San Francisco. This position involves transforming the Historic Old Main Library at the Civic Center Plaza into a new home for the Asian Art Museum, which includes the seismic retrofit of the building onto rubber damper isolators; the preservation and restoration of the historically significant interiors, while demolishing and rebuilding structural floors to accommodate the needs of a museum; incorporating a system of concrete shear walls and floor diaphragms to stiffen the E-shaped structure; and constructing galleries for the display of one of the nation's most important collections of Asian art. Prior work experience includes Guy F. Atkinson, Charles Pankow Builders, and Taisei Hawaii.

An ACI member, Inman serves on ACI Committees E 703, Concrete Construction Practices; CLC Construction Review Committee; Responsibility in Concrete Construction (RCCC); the Financial Advisory Committee (FAC); and Chair of the Construction Liaison Committee (CLC). He is a past member of ACI's Educational Activities Committee (EAC) and the Publications Committee.

Inman received his BS in civil engineering from Stanford University, 1962.

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JOE W. KELLY AWARD

The **Portland Cement Association (PCA)** is the nucleus of the North American cement industry's research, market development, and educational and public affairs activities. PCA provides a full range of products and services to its members—cement companies in the United States and Canada. Currently, PCA membership is 95% of the industry in the United States and 100% in Canada.

PCA programs seek to improve concrete and concrete construction and to expand its use. Through education, technical support, research, and promotion, PCA works to increase concrete's share of targeted construction markets. In Canada, the Cement Association of Canada conducts programs. PCA's Washington, DC, office represents the U.S. cement industry in government affairs. Construction Technology Laboratories, Inc., a separate, for-profit subsidiary of PCA, offers engineering, testing, and consulting services. In partnership with PCA, the American Concrete Pavement Association (ACPA) represents cement and concrete interests in highways, streets and local roads, and airport paving.

A mainstay of these efforts is PCA's work with the American Concrete Institute. Long an active participant in ACI Committee 318, Structural Concrete Building Code, PCA has maintained the committee Secretariat for 50 years. In partnership, PCA and ACI produce educational tools on the Building Code and its use. Since 1983, PCA and ACI have presented seminars on changes introduced in new editions of the Building Code.

Portland Cement Association, 5420 Old Orchard Road, Skokie, IL 60077, Telephone: 847.966.6200; Fax: 847.966.9781; Internet: www.portcement.org

HENRY L. KENNEDY AWARD

George B. Barney is Vice President for Market Development and Technical Services for the Portland Cement Association (PCA), Skokie, IL. He oversees PCA's promotion programs, research and development, education and training, market research, and codes and standards. He has been with PCA since 1970, starting as a research engineer in the R&D laboratory.

An ACI member, Barney is also a member of the American Society of Civil Engineers (ASCE), ASTM, the Construction Specifications Institute, and the Precast/Prestressed Concrete Institute (PCI). His awards include ASCE's T.Y. Lin Award and PCI's Martin P. Korn Award, both for his paper, "Behavior and Design of Prestressed Concrete Beams with Large Web Openings."

Barney received his BS in civil engineering from Tufts University and his MS and PhD from Northwestern University.

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ALFRED E. LINDAU AWARD

Luis E. García has been involved in consulting in structural engineering since the early '70s and is Partner, Proyectos y Diseños Ltda., Consulting Engineers, Bogotá, Colombia. He has also been teaching at the Universidad de los Andes, Bogotá, Colombia, since the early '70s and was Chair of the Civil Engineering Department, 1982-1984. He is currently a Visiting Professor of Civil Engineering at Purdue University, West Lafayette, IN.

An ACI Fellow since 1991, García is a member of ACI Committees 318, Structural Concrete Building Code; Joint ACI-ASCE Committee 352, Joints and Connections in Monolithic Concrete Structures; 374, Performance-Based Seismic Design of Concrete Buildings; 439, Steel Reinforcement; International Committee; ISO/TC-71 Advisory Committee; and the Fellows Nominating Committee. He also serves as Chair of ACI Committee 318-D, Flexure and Axial Loads; Beams, Slabs, and Columns. He is a past member of the ACI Board of Direction and past Chair of the International Activities Committee. He is also a member of the American Society of Civil Engineers (ASCE), the Colombian Association for Earthquake Engineering, EERI, fib, IABSE, and TMS.

His awards include ACI's Joe W. Kelly Award, 2001, and the Distinguished Colombian ACI Chapter Member Award, 1992, as well as honors and awards from the Universidad de los Andes, the Colombian Association for Earthquake Engineering, IABSE, the Colombian government, and the Colombian Association of Ready-Mixed Concrete Producers. He is the author of books on structural dynamics and reinforced concrete columns, and has published numerous papers on structural engineering, reinforced concrete, structural masonry, and earthquake engineering.

García received his BSC in civil engineering from the Universidad de los Andes, Bogotá, Colombia, and his MSCE from the University of Illinois, Urbana-Champaign.

HENRY C. TURNER MEDAL

Michel Virlogeux has been a part-time Professor of Structural Analysis at the Ecole Nationale de Ponts et Chaussées for 17 years and also teaches at the Center des Haute Elinde de le Construction. In 1996 he joined SETRA (the technical office of the Highway Administration) in the bridge division. He became Head of the Large Concrete Bridges Division in 1980 and of all Large Bridges Division in 1987. He has designed more than 100 bridges, including the Normandie Bridge, which is a world record of cable-stayed bridges with 856 m between 1995 and 1999, and, more recently, the Millan Viaduct.

His awards include ACI's Construction Practice Award, 1992; the IABSE Prize, 1983; the Award of Excellence from the Engineering News Record, 1995; the Gold Medal of the Institution of Structural Engineers, 1997; the Leadership Award of the American Segmental Bridge Institute, 1997; the Flagnal Gold Medal, 1999; and

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the Fritz Leonhardt Prize. In addition, several of his bridges have received architectural awards.

Virlogeux received his degrees from the Ecole Polytechnique, 1967, and Ecole Nationale de Pont-et-Chaussees, 1970, and his PhD from the Pierre et Marie Curie University, Paris, VI, 1973.

CHARLES S. WHITNEY AWARD

Morley Construction Company has been performing reinforced concrete work in Southern California for half a century. They began with low-rise schools and small commercial buildings, progressed through some of the largest and tallest structures on the West Coast, and capped this in 2002 with an artistic and technological landmark: the Cathedral of Our Lady of the Angels, Los Angeles, CA. The cathedral project required complex geometry, involving over 850 distinct corner angles; design service life of 500 years; wall thickness up to 5 ft, requiring measures to accommodate heat of hydration; and seismic base isolation, a world-first for cathedrals.

Other highlights of Morley's include the SunAmerica Building, a "jewel box" in architectural concrete in West Los Angeles; seismic upgrading of the Rockwell (now Boeing) computer center in Seal Beach, a technological first in the U.S.; concrete work for Library Tower, the tallest building in California, where Morley set the U.S. height record for pumping of lightweight concrete in a single lift; Royce Hall and Powell Library on the UCLA campus, where new foundations supported the insertion of shear walls inside existing wall cavities; and concrete work for A Ballpark in San Diego, the new home for the San Diego Padres, scheduled to open in 2004.

Morley continues complex concrete work today on two dozen sites.

ACI YOUNG MEMBER AWARD FOR PROFESSIONAL ACHIEVEMENT

Moncef L. Nehdi is Assistant Professor of Civil and Environmental Engineering at the University of Western Ontario (UWO) in London, Ontario, Canada, where he has been a faculty member since 1999. Prior to joining UWO, he was Technical Director at Imasco Minerals Inc. in Vancouver, British Columbia, Canada.

He is a member of ACI Committees 225, Hydraulic Cements; 236, Material Science of Concrete; and E 803, Faculty Network Coordinating Committee. His research interests include mathematical modeling of the behavior of cement-based materials, applications of special concretes in geotechnical engineering, durability and repair, and recycling industrial and mining by-products in construction materials. His awards include the Ontario Premier's Research Excellence Award, the Petro Canada Young Innovator Award, the American Society of Engineering Education's New Faculty Fellow Award, and the Mohan Mathur Engineering Prize for Excellence in Teaching.

Award Recipient Biographies

Nehdi received his BAsC from Laval University in 1991, his MASc from Sherbrooke University in 1993, and his PhD from the University of British Columbia in 1998.

WASON MEDAL FOR MOST MERITORIOUS PAPER

Salah A. Altoubat is an Assistant Professor in the Department of Civil Engineering at the University of Sharjah (UOS) in the United Arab Emirates (UAE). Previously, he was Senior Research Associate at W.R. Grace, Cambridge, MA, 2001-2002, leading a research program of polymeric fiber concrete and their structural applications; was a Post-Doctoral Research Associate, 2000-2001, directing a research program in early-age behavior of normal and high-performance concrete; and a Graduate Research Assistant, 1994-2000, at the University of Illinois at Urbana-Champaign, Urbana, IL. He was also Material and Structural Engineer, 1990-1994, in the Arab Center for Engineering Studies, Amman, Jordan, and a teaching assistant, 1987-1990, at Jordan University of Science and Technology, Jordan. His research interests include early-age behavior of concrete, creep, shrinkage and cracking of concrete and fracture, and structural applications of fiber-reinforced concrete. He is a member of the American Society of Civil Engineers (ASCE) and the Jordan Engineering Association.

He received his BSc in civil engineering from Yarmouk University, Irbid-Jordan, 1987; his MSc in structural engineering from the Jordan University of Science and Technology, Irbid-Jordan, 1990; and his PhD in civil engineering from the University of Illinois at Urbana-Champaign, 2000.

David A. Lange is Associate Professor of Civil Engineering and Narbey Khachaturian Faculty Scholar at the University of Illinois at Urbana-Champaign, Urbana, IL, where he has been a faculty member for 11 years.

An ACI Fellow, he is a member of ACI Committees 365, Service Life Prediction; 544, Fiber Reinforced Concrete; 549, Thin Reinforced Cementitious Products and Ferrocement; E 802, Teaching Methods and Educational Materials; and E 803, Faculty Network Coordinating Committee. He is also a member and past Chair of ACI Committee 236, Material Science of Concrete. Lange has been recognized for excellent teaching at the University of Illinois and is an NSF CAREER awardee.

His research focuses on concrete drying shrinkage and creep at early ages, bond of repair and masonry materials, characterization of porosity, and fiber-reinforced concrete. His research has received support from the Illinois Department of Transportation, the Federal Aviation Administration, and the National Science Foundation (NSF). He is a faculty member of the Federal Aviation Administration (FAA) Center of Excellence for Airport Pavements and the Center for Advanced Cement-Based Materials at Northwestern University.

Award Recipient Biographies

Lange received a BS in civil engineering from Valparaiso University, Valparaiso, IN, 1981; an MBA from Wichita State University, Wichita, KS, 1984; and a PhD in civil engineering from Northwestern University, Evanston, IL, 1991. He is a licensed professional engineer in the state of Illinois.

ACI CONSTRUCTION PRACTICE AWARD

Donald A. Bailey is a Construction Executive at J.A. Jones Construction, based in Charlotte, NC, and works out of the southeastern regional office in Marietta, GA. He has over 25 years of experience in construction and design/build. He currently leads market sector teams that work in the industrial /corporate /institutional marketplace, and has worked on projects including data centers, production, warehousing and distribution facilities for various industries, corporate office buildings, parking facilities, as well as hotels and apartments with a special focus on the adaptive reuse of existing facilities.

In October 2002, Bailey was awarded the Designated Design-Build Professional designation by the Design/Build Institute of America (DBIA). He received the ACI Georgia Chapter's First Place Award in the Special Category for the Gatorade Southeast Facility in Atlanta, GA, and for the Gatorade Southeast Expansion in 1997 and 1998, respectively. In 1998, he also received the ACI Georgia Chapter's Outstanding Achievement Award, Residential Category, for The Bailey House. The Bailey House used concrete in various forms including a concrete structural frame consisting of two levels of post-tensioned concrete supported by concrete columns and exterior load-bearing and non-load-bearing walls using precast autoclave aerated concrete. Other concrete specialty items utilized in construction of this home included modular precast concrete fireplace and chimney, fiber cement lap siding material, and concrete pavers for all driveways and patios.

Bailey is a 1976 graduate of Southern Union College and attended Southern Polytechnic University in Atlanta, GA.

Edward J. Barbour is a Structural and Civil Engineer serving as a Principal Engineer with the Gatorade/Beverages Division of the Quaker Oats Company. He has over 20 years of experience in the design and construction of beverage and food facilities.

Scott W. Cupp is a Chemical Engineer serving as a Project Manager with the Gatorade/Beverages Division of the Quaker Oats Company. He has over 20 years of experience in the construction and operations of beverage and food facilities in the U.S. and international locations.

Jerry A. Holland is Director of Design Services for Structural Services Inc., in the Atlanta, GA, office of the Dallas, TX-based company. He has 35 years of worldwide experience in design, construction, and troubleshooting concrete materials, floors,

Award Recipient Biographies

pavements, other structures, and related geotechnical problems. During most of that time, Holland was with Lockwood Greene Engineers in Atlanta. He specializes in concrete mixtures, floor slabs-on-ground (including superflat and other specialty floors), and suspended slabs, fiber reinforcement, post-tensioning, shrinkage-compensating concrete, paving, and liquid-containing structures. He has had projects in almost every state in the U.S. and on every continent except Antarctica.

Holland is a Fellow of ACI and a member of ACI Committees 223, Shrinkage-Compensating Concrete; 301, Specifications for Concrete; 302, Construction of Concrete Floors; 325, Concrete Pavements; 350, Environmental Engineering Concrete Structures; and a member and Past Chair of 360, Design of Slabs on Ground. He is also a member of the Post Tensioning Institute Advisory Board. For several years, Holland has been a speaker at the World of Concrete on topics related to slab curling, shrinkage, shear transfer devices, concrete mixture materials and design, associated geotechnical issues, troubleshooting, and remediation. In 1992, he set up the curriculum for the ACI Slab on Ground seminars and has been the coordinator and an instructor for the seminar program ever since. He is also involved in Value Engineering, and has presented seminars and participated in numerous studies on this topic.

David W. Knight is Manager of Civil/Structural/Architectural/CIT for the Lockwood Greene, Augusta, GA, office. He has more than 21 years of engineering experience—all at Lockwood Greene.

Knight was lead structural engineer on the following projects that received awards: the DuPont Worldwide Distribution Center, with superflat post-tensioned slabs, 1991, from the ACI Georgia Chapter and the American Consulting Engineering Council Award-Georgia; and the First Place Award, Special Category, from the ACI Georgia Chapter for a portion of the Gatorade facility, 1999.

Knight received his BS in civil engineering from Clemson University in 1981. He is a registered professional engineer in the states of Georgia, Texas, and South Carolina.

WASON MEDAL FOR MATERIALS RESEARCH

Paulo J. M. Monteiro is a Professor and Group Leader of the Structural Engineering Mechanics and Materials Group, Department of Civil and Environmental Engineering, at the University of California at Berkeley.

Monteiro's professional experience includes working on a number of projects with the late Roy Carlson, a pioneer in the technology of mass concrete. Recent projects include working with roller-compacted concrete and architectural concrete. At U.C. Berkeley, he and his students are creating micromechanical models, characterizing deleterious reactions in concrete, and developing new microscopic techniques, such as low-temperature scanning electron microscopy, soft x-ray microscopy, and direction cooling. In addition to being a co-author of the textbook, *Concrete*:

Award Recipient Biographies

Microstructure, Properties, and Materials, Monteiro has published more than 100 articles in archival journals. He is a former member of ACI Committee 236, Material Science of Concrete.

Monteiro received his engineering degree from the University of Sao Paulo and his master's degree and PhD from the University of California at Berkeley.

Kome Shomglin is a graduate student in the Department of Geology and Geophysics, currently known as Earth and Planetary Sciences, at the University of California at Berkeley. His research interests include chemistry, civil engineering, and geology, specifically alkali-silica reaction.

Shomglin received a BS in chemistry from the University of California at Berkeley, Berkeley, CA, in 1997.

H.R. Wenk has been on the faculty of the Department of Geology and Geophysics at the University of California at Berkeley since 1965.

He has had numerous visiting appointments, including universities and research laboratories in France, Germany, Italy, China, and Japan. His research concentrates on mineralogy, electron microscopy, texture analysis of deformed rocks, anisotropy of materials, and neutron and synchrotron x-ray diffraction studies. The results are published in over 300 research papers and four books. Awards include fellowships by the American Geophysical Union and the Mineralogical Society of America, the Bernd Matthias Scholar from Los Alamos National Laboratory, the Senior Scientist Award from the Humboldt Foundation, and Senior Research Fellow from the Japanese Society for Promotion of Science.

Wenk received his PhD in crystallography from the University of Zurich, Switzerland, in 1965.

Nicole P. Hasparyk is a Civil Engineer at the Civil Engineering Center of FURNAS Centrais Elétricas S.A., Goiânia/GO, Brazil, where she has been a researcher in microstructure and durability of concrete since 1994.

Hasparyk is a member of IBRACON (Brazilian Concrete Institute), and is the Coordinator of IBRACON Technical Committee GO-10.209, Alkali-Aggregate Reaction. She is also a member of RILEM Technical Committee TC-106, Alkali-Aggregate Reaction-Accelerated Tests.

She has authored and co-authored more than 24 published technical papers related to technology, durability, and the microstructure of concrete in various journals, congresses, seminars, conferences, and symposiums in Brazil and in foreign countries. She also co-authored the book, *Concretos Massa, Estrutural, Projetado e Compactado com Rolo—Ensaio e Propriedades*.

She received her civil engineering degree from the Federal University of Minas Gerais (UFMG), 1992; her MS in engineering from the Federal University of Goiás (UFG), 1999; and is currently a PhD candidate at the Federal University of Rio Grande do Sul (UFRGS), Brazil.

Award Recipient Biographies

ACI STRUCTURAL RESEARCH AWARD

Carlos G. Quintero-Febres is a Professor of Structural Engineering at the University of the Andes in Mérida, Venezuela, South America, where he has been a faculty member for 22 years. He serves as Chairman of the University Committee for Scientific and Technological Development. On behalf of the faculty, he has also served as a member of the School of Civil Engineering and the College of Engineering Councils.

At the undergraduate level, Quintero-Febres teaches courses on reinforced concrete and steel design, structural analysis, and an introductory course on mechanics of deformable bodies. At the graduate level, he teaches courses on structural dynamics and reliability of structures. His research interests include earthquake-resistant design of reinforced concrete structures, dynamic response of structures, and structural reliability.

Quintero-Febres received his degree in civil engineering at the University of Los Andes, and his master's of science and doctor of philosophy in structural engineering from the University of Iowa and the University of Michigan, respectively.

James K. Wight is Professor of Structural Engineering in the Civil and Environmental Engineering Department at the University of Michigan, where he teaches both undergraduate and graduate classes on analysis and design of RC structures. A faculty member since 1973, he is well-known both nationally and internationally for his work in earthquake-resistant design and seismic upgrading of concrete structures. He has been involved with post-earthquake damage studies following earthquakes in Mexico City, Chile, Armenia, Egypt, California, Japan, and India.

An ACI member since 1973, Wight was elected Fellow of the Institute in 1984. He is Chair of ACI Committee 318, Structural Concrete Building Code; a member and past Chair of Joint ACI-ASCE Committee 352, Joints and Connections in Monolithic Concrete Structures; a member of ACI Committee 369, Seismic Repair and Rehabilitation; Joint ACI-ASCE Committee 445, Shear and Torsion; and ACI Committee E 803, Faculty Network Coordinating Committee. He is a former member and Past Chair of the ACI Technical Activities Committee (TAC), and a former member of the ACI Board of Direction. A Past President of the ACI Michigan Chapter, he was awarded the ACI Delmar L. Bloem Award, 1991; the ACI Joe W. Kelly Award, 1999, for "outstanding efforts for the education of students in design of reinforced concrete structures;" and the Arthur J. Boase Concrete Research Council Award for Outstanding Accomplishments in Research, Teaching, and Service in the field of structural concrete, 2002.

Wight has also received numerous awards for his teaching and service, and is an eight-time winner of the ASCE Student Chapter "Teacher of the Year" Award. He has been recognized for "Distinguished Service" and "Teaching Excellence" by the University of Michigan College of Engineering, and is a recipient of the State

Award Recipient Biographies

of Michigan Award for Outstanding Teaching and the Chi Epsilon-Great Lakes District Excellence in Teaching Award.

Wight received his BS and MS in civil engineering from Michigan State University, East Lansing, MI, in 1969 and 1970, respectively; and his PhD from the University of Illinois at Urbana-Champaign in 1973.

ACI DESIGN PRACTICE AWARD

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

A charter Fellow of ACI, Nawy has been active in the Institute since 1959. He is the founding Chair and a current member of ACI Committee 224, Cracking; a member of ACI Committees 340, Design Aids for ACI Building Codes; 371, Concrete Pedestal Water Towers; and Joint ACI-ASCE Committee 421, Design of Reinforced Concrete Slabs; and Past Chair and current member of Committee 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 was twice president of the ACI New Jersey Chapter.

Nawy is the recipient of the ACI Chapter Activities Committee Award, the Henry L. Kennedy Award, and the Robert E. Philleo Concrete Research Council Award. He has published over 175 papers, is the author of three major textbooks and a handbook on reinforced, prestressed, and high-performance concrete, is a registered professional engineer in five states, and a chartered engineer overseas.

DELMAR L. BLOEM AWARD FOR DISTINGUISHED SERVICE

Robert C. O'Neill is President and Senior Petrographer with Micro-Chem Laboratories in Murphys, CA, a firm specializing in petrographic and chemical analysis of construction materials.

A Fellow of the Institute since 2001, O'Neill is a member of ACI Committee 524, Plastering, and is a member and Past Chair of ACI Committee 201, Durability of Concrete. A Past President of the Northern California and Western Nevada Chapter, he is Chair of the Technical Committee for the Chapter and also for the 2004 ACI Convention Committee. He is currently a corresponding member of the FHWA-ACI sponsored workshop, "Concrete Durability: ASR and Other Deterioration Mechanisms." He has been a guest speaker at various local ACI Chapters, and has over 25 years of experience as a concrete petrographer.

He received his BS from the University of Wisconsin in 1971 and is a licensed and certified professional geologist.

Award Recipient Biographies

David W. Johnston is Professor, Associate Head, and Director of Graduate Programs in the Department of Civil Engineering at North Carolina State University, where he has served on the faculty for 26 years. Following eight years of industry experience with the Connecticut firms of Schupack Associates and McDonald & van der Poll, he became a faculty member at North Carolina State in 1977.

An ACI member, Johnston became a Fellow in 1983, and was a recipient of the ACI Construction Practice Award, 1996. He is a member and Chair of ACI Committee 347, Formwork for Concrete; a member and Past Chair of Committee 215, Fatigue of Concrete; a member of Committees 315, Details of Reinforcement, and 408, Bond of Reinforcement; and a past member of the ACI Nominating Committee. He is also a Past President and former Director of the Carolinas ACI Chapter.

Johnston received his BS, MS, and PhD from North Carolina State University. He is a licensed professional engineer in several states.

Richard S. Orr is a Consulting Engineer with Westinghouse Electric Co., Monroeville, PA, where, for the past 35 years, he has been responsible for the analysis, design, and licensing of structures associated with nuclear power plants.

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 which received a Manufacturing Permit in 1979.

Orr has developed and supervised design work for all nuclear power plant structures, and was involved in the planning of the fabrication and construction of 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.

He is a member and Past Chair of ACI Committee 349, Concrete Nuclear Structures, and a member of ACI Committee 355, Anchorage to Concrete. He is Past Chair of the Subcommittee for 349, which culminated in the major revision of Appendix B to incorporate the Concrete Capacity Design Method into the 2001 edition of ACI Committee 349, "Code Requirements for Nuclear Safety Related Concrete Structures (349-01) and Commentary (349R-01)." He is a past member of Joint ACI-ASME Committee 359, Concrete Components for Nuclear Reactors.

Orr was educated at Cambridge University. He is a registered professional engineer in Florida.

CHAPTER ACTIVITIES AWARD

William E. Rushing, Jr., is a Staff Engineer at Waldemar S. Nelson & Co. Inc., in New Orleans, LA. He is a project manager for various civil, structural, and multidiscipline projects.

He is a member of ACI Committees 340, Design Aids for ACI Building Codes; 351, Foundations for Equipment and Machinery; E 801, Student Activities; the Financial Advisory Committee (FAC); the Convention Committee; the ACI Young Member Award for Professional Achievement Committee; Honors and Awards; and the Centennial Activities Task Group. He is Chair of ACI Committee E 702, Designing Concrete Structures, and a Trustee of ACI's Concrete Research and Education Foundation (ConREF). He is a past member of the Chapter Activities Committee.

An ACI Fellow, Rushing is also a member of the ACI Board of Direction. He has been very active in the ACI Louisiana Chapter, serving as Past President, Vice President, Secretary, Treasurer, and Director. He was Vice Chair for the 1996 ACI Fall Convention, is General Chair for the 2005 ACI Fall Convention, Chair of the Concrete Awards Committee, and a member of the ACI-ASCE Annual Fall Conference Organizing Committee. He has presented several talks on concrete construction at local meetings and conferences.

Rushing received his BS in civil engineering from LSU in 1981.

S. K. Manjrekar, Managing Director, Sunanda Spec Coatings Pvt Ltd, Mumbai, India, has been associated with materials and material science and concrete training, and has worked extensively in the fields of concrete admixtures, corrosion protection to steel in concrete, repairs and rehabilitation of new and heritage structures, and other developments in the field of construction chemicals.

"S. K.," as he is known within ACI, has been an ACI member for more than 16 years, and became a Fellow in 1999. He is also an active member of the India Chapter of ACI, having served as Honorary Secretary and Treasurer and two terms as President, 1995-2001. While President, the Chapter was awarded the Excellent Chapter Award, 2000 and 2001. Manjrekar took the lead to develop the rapport for mutual benefit and support to the chapters in the Middle East and South Asian countries. He regularly attended Chapter Roundtable meetings, and whenever he travels overseas, he visits the local chapter.

He is a member of the ACI International Chapters Committee, and he has published more than 50 papers in national and international journals, and routinely lectures to various engineering establishments, consultants, contracting agencies, and academicians to make them aware of the necessities of the use of construction chemicals to meet necessary parameters of durability of concrete.

Manjrekar received his PhD from Bombay University in 1977.

Award Recipient Biographies

WALTER P. MOORE, JR., FACULTY ACHIEVEMENT AWARD

Norbert J. Delatte, Jr., is an Associate Professor in the Department of Civil and Environmental Engineering, School of Engineering, the University of Alabama at Birmingham, Birmingham, AL.

He served for 11 years in the U.S. Army as an officer in the Corps of Engineers, including 2 years of service in the Republic of Korea, wartime service in the Arabian Peninsula during Operation Desert Storm, and command of an engineer company during the Hurricane Andrew relief operations in southern Florida. He was an assistant professor at the U.S. Military Academy at West Point, NY, during the 1996-1997 academic year. He specializes in structural engineering, transportation engineering, and construction materials.

An ACI member, Delatte is Chair and former Secretary of ACI Committee 325, Concrete Pavements. He is also a member of ACI Committees 330, Concrete Parking Lots and Site Paving; 522, Pervious Concrete; E 802, Teaching Methods and Educational Materials; and E 803, Faculty Network Coordinating Committee.

He is a member of the American Society of Civil Engineers (ASCE), the International Concrete Repair Institute (ICRI), the International Society for Concrete Pavements, the Structural Engineer's Association of Alabama, and the American Society for Engineering Education. He is the secretary of the ASCE Technical Council on Forensic Engineering Education Committee and a member of the Dissemination of Failure Information Committee and the Education and Practice Publications Committee.

Delatte received his BSCE from The Citadel in 1984, his MSCE from the Massachusetts Institute of Technology in 1986, and his PhD in civil engineering from the University of Texas at Austin in 1996. He is a registered professional engineer in Alabama and the Commonwealth of Virginia.

CONCRETE RESEARCH COUNCIL ROBERT E. PHILLEO AWARD

David W. Fowler is a Professor at the University of Texas at Austin, where he teaches courses on materials and structures. He has been at the University of Texas at Austin since 1964.

An ACI Fellow, Fowler has been an ACI member for 40 years. He is a member of ACI Committees 224, Cracking; and 548, Polymers in Concrete; and is also a member of the Concrete Research Council (CRC) and the Task Group on Centennial Funding.

He was awarded ACI's Delmar L. Bloem Award, 1985; the Billy and Claude R. Hocott Distinguished Engineering Research Award, 2002; the College of Engineering Joe J. King Professional Engineering Achievement Award, 2000; was inducted into the National Academy of Engineering, 1998; and was named one of the "People in Concrete Repair" by *Concrete Repair Digest*, 1995. He currently serves as Director of the International Center for Aggregates Research, which is operated jointly by

Award Recipient Biographies

the University of Texas at Austin and Texas A&M University, and has authored several hundred refereed papers, conference proceedings, and reports. He has also lectured at the World of Concrete for over 25 years.

Teaching awards include Outstanding Teacher Award, College of Engineering, 1975; Outstanding Teaching Award, the University of Texas (UT), 1978; and selection as a member of the UT Academy of Distinguished Teachers, 2002. He holds the Joe J. King Chair in Engineering No. 2, and has served on the Men's and Women's Athletics Councils, the Faculty Advisory Building Council, the University Co-Op Board, and the University Federal Credit Union Board.

Fowler received his BS and MS in architectural engineering from the University of Texas at Austin, TX, and his PhD in civil engineering from the University of Colorado at Boulder, CO.

PCA's Eighth Biennial Bridge Awards

Eight Concrete Bridges Selected for Awards of Excellence

Eight winners have been named in PCA's Eighth Biennial Bridge Awards Competition. The competition, instituted in 1988, recognizes excellence in design and construction of concrete bridges.

The 2002 program attracted 55 outstanding entries from Canada and the United States. All structures were essentially completed between October 2000 and October 2002. Entries covered a variety of structure types and construction methods.

The winners were selected based on creativity, functionality, and economy by a jury of three prominent bridge professionals: Benjamin Tang, Senior Structural Engineer, Federal Highway Administration, Washington D.C.; Edward Wasserman, Civil Engineering Director - Structures, Tennessee Department of Transportation, Nashville, TN; and Frederick Gottemoeller, Principal, Rosales Gottemoeller & Associates, Inc., Columbia, MD.

All winning entries receive an Award of Excellence at the American Concrete Institute Awards Program to be held in March 2003 in Vancouver, British Columbia, Canada.

The award-winning entries are listed below without regard to ranking or category.

Diamondback Bicycle/Pedestrian Bridge



Location:	Tucson, Arizona
Owner:	City of Tucson, Department of Transportation
Engineer:	T. Y. Lin International
Architect:	Simon Donovan
Contractor:	Hunter Contracting
Concrete Supplier:	Tucson Readimix

PCA's Eighth Biennial Bridge Awards

Double-Deck Post-Tensioned HPC Bridge System for New Terminal at Toronto Pearson Airport



Location: Toronto, Ontario, Canada
Owner: Greater Toronto Airports Authority
Engineer: Hatch Mott MacDonald Ltd.
Architect: Airport Architects Canada (Adamson Associates; SOM; SAFDIE)
Contractor: Dufferin Construction Company
Concrete Supplier: Dufferin Custom Concrete

I-25/I-40 "Big-I" Interchange Reconstruction



Location: Albuquerque, New Mexico
Owner: New Mexico State Highway and Transportation Department
Engineer: URS Corporation, Chavez Grieves, and Parsons Brinckerhoff
Contractor: Twin Mountain Construction
Concrete Supplier: Waycor
Precasters: CSR Hydro Conduit and Twin Mountain Construction

PCA's Eighth Biennial Bridge Awards

Rouge River Pedestrian Bridge



Location: Grant Pass, Oregon
Owner: City of Grant Pass, Oregon
Engineers: OBEC Consulting Engineers and Dr. Jiri Strasky, Consulting Engineer
Architect: Dr. Jiri Strasky, Consulting Engineer
Contractor: Holm II
Concrete Supplier: Riverside Ready Mix, Inc.
Precaster: Morse Brothers

Sailboat Bridge

U.S. Highway 59 over the Grand Lake O' the Cherokees, Grove, Oklahoma



Location: Grove, Oklahoma
Owner: Oklahoma Department of Transportation
Engineer/Architect: Figg Engineering Group
Contractor: Traylor Brothers, Inc.
Concrete Suppliers: Lair & Sons, Rainbow Concrete (APAC)
Precaster: Traylor Brothers, Inc.

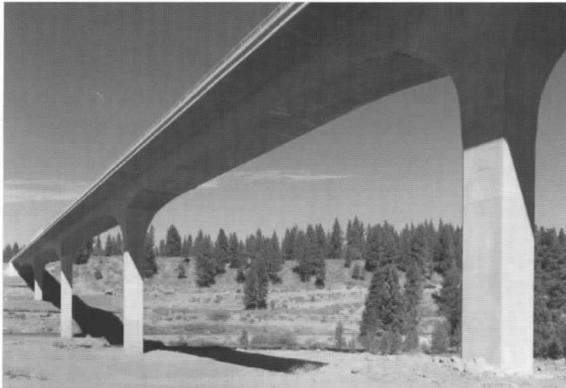
PCA's Eighth Biennial Bridge Awards

Taylor Street Overcrossing/Urban Interchange



Location: San Jose, California
Owner, Engineer, and Architect: CALTRANS District 4, Division of Engineering Services, Structure Design
Contractors: Granite/CCM Myers Joint Venture
Concrete Supplier: Mission Valley Ready Mix Company
Precaster: Kie-Con

Truckee River Bridge and Overhead



Location: Truckee, California
Owner: CALTRANS
Engineer: CALTRANS, Structure Design Branch 7
Architect: CALTRANS, Bridge Architecture and Aesthetics Branch
Contractors: MCM and LADD Joint Venture
Concrete Supplier: TNT, Inc.

PCA's Eighth Biennial Bridge Awards

Virginia Dare Bridge



Location: Manteo, North Carolina
Owner: North Carolina Department of Transportation
Engineer: Wilbur Smith Associates
Contractor: Balfour Beatty
Precaster: Gate Concrete

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