

2001 ANNUAL AWARDS

March 29, 2001

Spring Convention

Philadelphia Marriott

Philadelphia, Pennsylvania

“Constructibility:
From Concept
to Completion”



HONORARY MEMBERSHIP

Hiroyuki Aoyama
Joseph A. Dobrowolski
James G. MacGregor
Alexander C. Scordelis

FELLOWS

Sergio M. Alcocer	Sigmund A. Freeman	Mario E. Rodriguez
Khaled W. Awad	Jill E. Glassgold	Frieder Seible
Rachel J. Detwiler	Mohammad S. Khan	Roberto Stark
Marc O. Eberhard	John R. Love	Luc R. Taerwe
Filip C. Filippou	Mark D. Luther	David Z. Yankelevsky
	Ward N. Marianos, Jr.	

50-YEAR MEMBERSHIP CITATIONS

Walter Baker	Carl J. Huntzinger	Louis J. Meier
Vito Caolo	Franklin B. Johnson	Asher Muller
Celso A. Carbonell	Robert S. Jones	Donald H. Rez
Edward Cohen	Masatane Kokubu	Robert E. Wilde
Paul A. Darden	James R. Libby	Erwin P. Wollak
Ti Huang	Ray A. McCann	

ARTHUR R. ANDERSON AWARD

Bryant Mather

ROGER H. CORBETTA CONCRETE CONSTRUCTOR AWARD

Dean E. Stephan

JOE W. KELLY AWARD

Kenneth C. Hover

HENRY L. KENNEDY AWARD

Howard R. May

ALFRED E. LINDAU AWARD

James G. MacGregor

HENRY C. TURNER MEDAL

Adam M. Neville

CHARLES S. WHITNEY AWARD

Walter P. Moore and Associates, Inc.

ACI YOUNG MEMBER AWARD FOR PROFESSIONAL ACHIEVEMENT

Kevin A. MacDonald
Rajalingam Valluvan

WASON MEDAL FOR MOST MERITORIOUS PAPER

Richard W. Burrows

ACI CONSTRUCTION PRACTICE AWARD

Jack J. Holley
Michael D. A. Thomas
Donald S. Hopkins
Kevin M. Cail
Marie-Christine Lanctôt

WASON MEDAL FOR MATERIALS RESEARCH

Ronald G. Burg
Michael A. Caldarone
Daniel C. Jansen
Terry J. Willems
Guy Detwiler

ACI STRUCTURAL RESEARCH AWARD

Ashraf El-Bahy
Sashi K. Kunnath
William C. Stone
Andrew Taylor

ACI STRUCTURAL ENGINEERING AWARD

Mantu C. Baishya
Maher K. Tadros
Sameh S. Badie

DELMAR L. BLOEM AWARD FOR DISTINGUISHED SERVICE

Jack P. Moehle
Charles S. Hanskat
Richard E. Wollmershauser

CHAPTER ACTIVITIES AWARD

LaGrit F. "Sam" Morris

CONCRETE RESEARCH COUNCIL

ROBERT E. PHILLEO AWARD

Edward G. Nawy

REINFORCED CONCRETE RESEARCH COUNCIL

ARTHUR J. BOASE AWARD

LeRoy A. Lutz

CHAPTER AWARDS — CITATIONS OF EXCELLENCE

PORTLAND CEMENT ASSOCIATION — BRIDGE AWARDS COMPETITION

Honorary Members

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, more than 150 have been elected to this position.

“in recognition of his pioneering developments in the analysis and design of concrete structures in seismic areas, including concrete framing systems for high-rise construction and the use of high-strength concrete”



Hiroyuki Aoyama

Hiroyuki Aoyama is Research Professor of Nihon University, and is President of the Aoyama Laboratory, a consulting office for structural engineers. He is Professor Emeritus at the University of Tokyo.

A Fellow of ACI, he has been a member of ACI since 1962. He is currently a member of the Commemorative Lecture Series Committee.

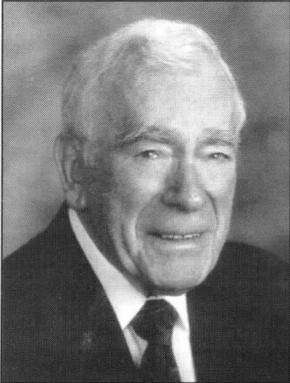
He is a former member of ACI Committees 104, Notation; 118, Use of Computers; and Joint ACI-ASCE Committee 352, Joints and Connections in Monolithic Concrete Structures.

His honors include the Alfred E. Lindau Award in 1995 for his leadership in developing design concepts for concrete buildings in seismic regions, for organizing U.S.-Japan seminars, and for pioneering in the use of high-strength concrete and reinforcement in seismic regions.

Professor Aoyama's research interests include seismic behavior and design of structures, particularly of reinforced concrete structures. He has tested and formulated restoring force characteristics of reinforced concrete members and structures, conducted nonlinear earthquake response analyses, and developed seismic design methods of high-rise reinforced concrete structures in seismic countries such as Japan.

A graduate of the Department of Architecture of the University of Tokyo in 1955, he received his Doctorate from the same school in 1960. He worked as a Visiting Research Scientist at the University of Illinois in 1961-1963, and also served as a Visiting Professor of the University of Illinois in 1971-1972, and of the University of Canterbury, New Zealand, in 1980-1981.

Honorary Members



Joseph A. Dobrowolski

“in recognition of his long-time efforts to improve the quality of structural and architectural concrete through education, publications, and committee work”

Joseph A. Dobrowolski is a civil engineer/concrete consultant with offices located in Altadena, CA.

A member of ACI for nearly 45 years, his involvement has included service on the Board of Direction and ACI's Committees on Education Activities, Technical Activities, Officers Nominating, Planning, Concrete Research, Fellows Nominating, Construction Liaison, and ACI Committee 357, Offshore and Marine Concrete Structures.

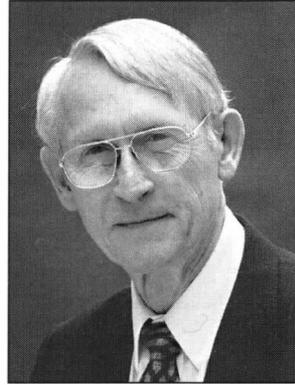
He is a member of ACI Committee Responsibility in Concrete Construction; Construction Liaison Review Subcommittee; Committee 303, Architectural Cast-in-Place Concrete (twice chairman); and 332, Residential Concrete Work. He is an associate member of ACI Committees 302, Construction of Concrete Floors; and 524, Plastering.

His ACI honors include the Delmar L. Bloem Award in 1976, the Chapter Activities Award in 1979, and the Henry L. Kennedy Award in 1987. He was also General Chairman for the ACI Convention in Los Angeles in March 1993.

Mr. Dobrowolski has lectured at the World of Concrete in three architectural concrete seminars for the Mexican Cement and Concrete Institute, and also in six 20-hour in-house seminars on architectural concrete for the Corps of Engineers. McGraw-Hill recently published a Fourth Edition of their *Concrete Construction Handbook*, several additional chapters of which he had authored and updated.

He received a BS in civil engineering from the California Institute of Technology in 1949.

“in recognition of his contributions in research and teaching, in developing North American codes for concrete structures, and for his distinguished leadership in ACI”



James G. MacGregor

James G. MacGregor, a past president of the Institute, retired in 1993 from the University of Alberta, Edmonton, Canada, after 33 years of service, including a three-year term as chair of the Department of Civil Engineering. Upon his retirement, he assumed the title University Professor Emeritus. At the time of his retirement, he was a principal in the firm of MKM Engineering Consultants.

MacGregor joined ACI in 1959. He was a director from 1973-1976 and served as president of the Institute in 1992-93. He currently is a member of three technical committees: 318, Structural Concrete Building Code; 445, Shear and Torsion; and 441, Reinforced Concrete Columns. Previously, he served on the Technical Activities Committee for 5 years, and chaired Committee 442, Response of Concrete Buildings to Lateral Forces.

In his 42 years as a member of ACI, Jim shared a number of ACI awards with his colleagues on ACI Committees or with students, including the Wason Medal for the Most Meritorious Paper in 1972 and in 1999; the Raymond C. Reese Medal in 1972; and the ACI Structural Research Award in 1988. Personal awards from ACI include the Joe W. Kelly Award in 1986 and the Delmar L. Bloem Distinguished Service Award in 1975. In 1988, he presented the first Phil M. Ferguson Lecture. In 1985, he received the Arthur J. Boase Award from the Reinforced Concrete Research Council. In 1997, the “Friends of Jim” arranged a full-day technical session in his honor at the ACI Convention in Seattle.

MacGregor has a BS from the University of Alberta, and an MS and PhD from the University of Illinois.

Honorary Members



Alexander C. Scordelis

“in recognition of his outstanding contributions to the analysis and design of concrete shell structures, box girder bridges, and other complex concrete structural forms”

Alexander C. Scordelis is the Byron L. and Elvira E. Nishkian Professor Emeritus of Structural Engineering at the University of California, Berkeley, where he has been a faculty member since 1949.

Professor Scordelis is a Fellow of the American Concrete Institute and was elected to membership in the National Academy of Engineering in 1978.

In 1989, California Governor George Deukmejian appointed him to the Governor's Board of Inquiry into the Loma Prieta Earthquake in the San Francisco Bay Area. A longtime research contributor to the California Department of Transportation (Caltrans), he has been a member of the Caltrans Seismic Advisory Board since 1991. He chaired the Golden Gate Bridge Seismic Instrumentation Advisory Panel from 1992-1998, and has been a consultant on the seismic retrofit of the bridge. He is currently a consultant to Caltrans on the East Bay Bridge replacement project, which began in 1997.

Professor Scordelis' excellence spans both teaching and research. He has taught undergraduate courses in structural analysis, structural design, and reinforced concrete, and his graduate courses included structural theory, matrix methods of analysis, prestressed concrete, and design of concrete shells. He has supervised the research and theses of many MS and PhD students. Throughout his career, he has been actively engaged in a variety of research areas, including analytical and experimental investigations of reinforced and prestressed concrete beams, slabs, and folded plates; thin concrete shells; and long-span concrete bridges. He led a major research program on the finite element analysis of reinforced and prestressed concrete structures; his original papers on the subject in 1967 were the first to open this area of research.

Scordelis holds two degrees in civil engineering: a BS from the University of California, Berkeley, and an MS from the Massachusetts Institute of Technology.

Fellows — “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, more than 500 members now hold the position of Fellow. They are recommended by the Fellows Nomination Committee and elected by the Board of Direction.

Fellows



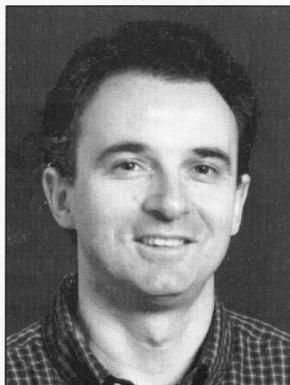
Sergio M. Alcocer



Khaled W. Awad



Rachel J. Detwiler

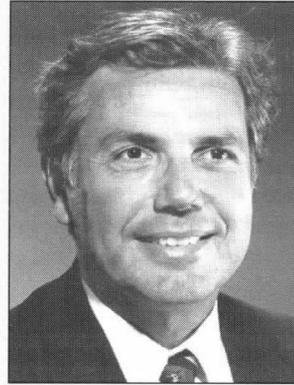


Marc O. Eberhard

(For bios see pages 36-37)



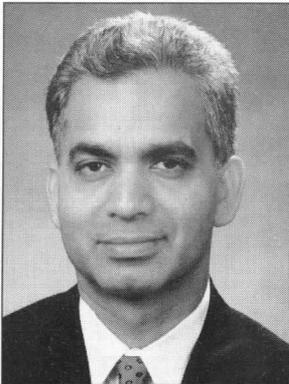
Sigmund A. Freeman



Filip C. Filippou



Jill E. Glassgold



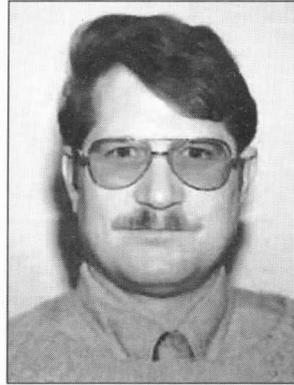
Mohammad S. Khan

(For bios see pages 37-38)

Fellows



John R. Love



Mark D. Luther



Ward N. Marianos, Jr.

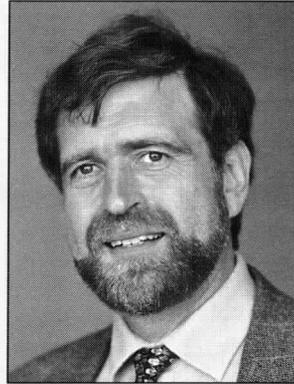


Mario E. Rodriguez

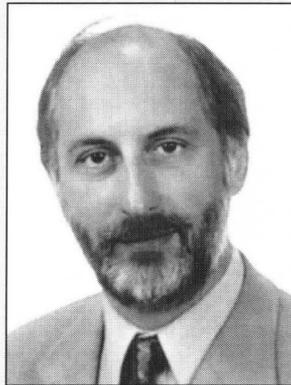
(For bios see pages 38-39)



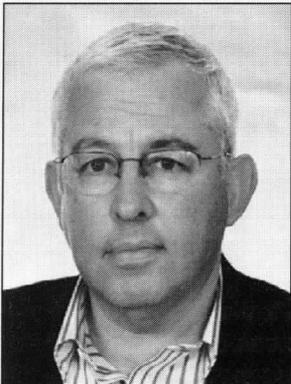
Roberto Stark



Frieder Seible



Luc R. Taerwe



David Z. Yankelevsky

(For bios see pages 39-40)

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.



Walter Baker



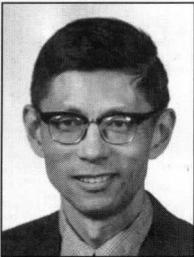
Celso A.
Carbonell



Vito Caolo



Edward Cohen



Ti Huang

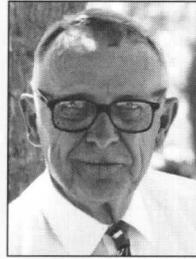


Carl J. Huntzinger

50-Year Membership Citations



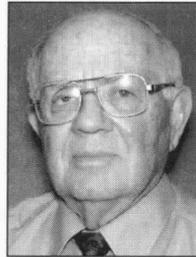
Masatane Kokubu



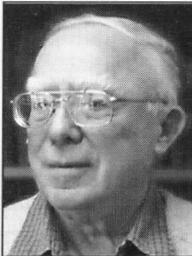
James R. Libby



Ray A. McCann



Asher Muller

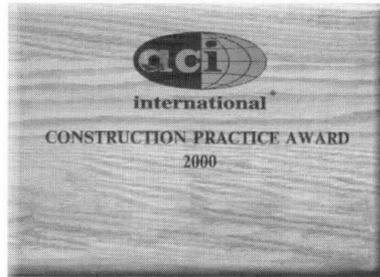
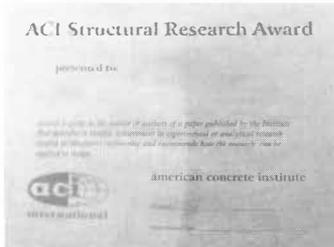
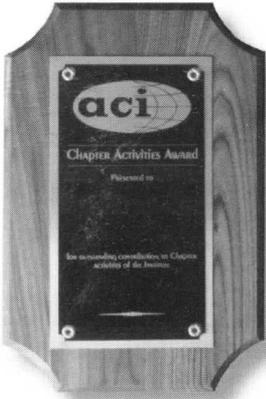


Robert E. Wilde

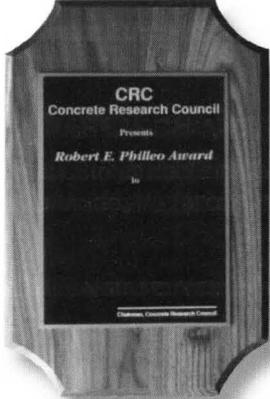
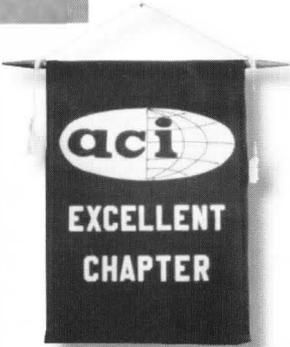
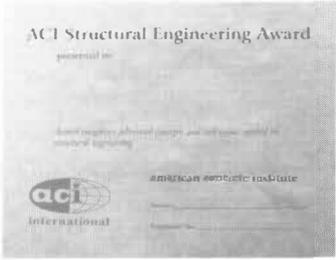
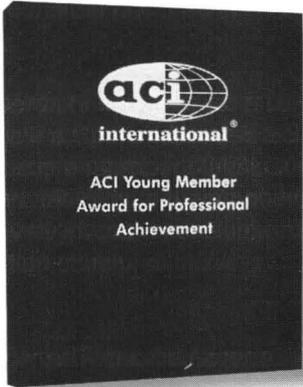
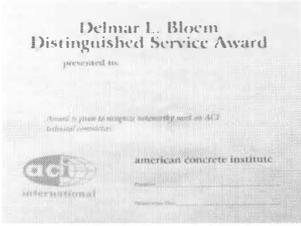
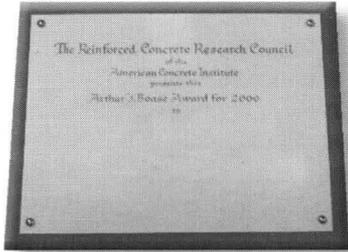
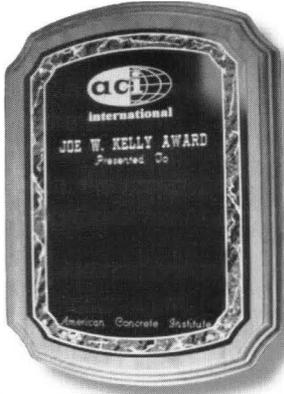
Not pictured:

Paul A. Darden
Franklin B. Johnson
Robert S. Jones
Louis J. Meier
Donald H. Rez
Erwin P. Wollak

ACI Awards



ACI Awards



Arthur R. Anderson Award



Bryant Mather

(For bio see page 41)

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



Dean E. Stephan

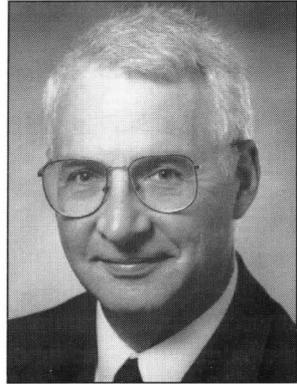
(For bio see pages 41-42)

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

“in recognition of his innovative and motivational teaching of concrete materials and the design and construction of concrete structures to students, engineers, and materials suppliers”



Kenneth C. Hover

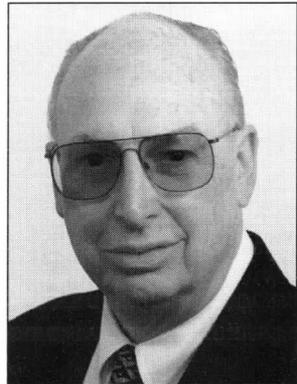
(For bio see page 42)

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

“in recognition of his distinguished and significant contributions to the Institute, especially as chairman of FAC”

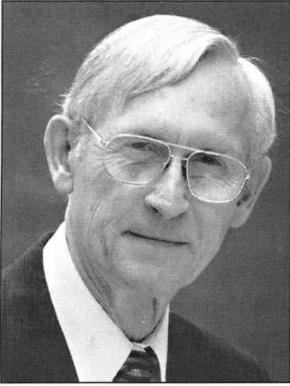


Howard R. May

(For bio see pages 42-43)

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



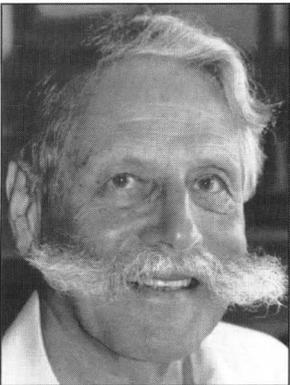
James G. MacGregor

“for his many fundamental contributions to improving design methodologies and design codes for concrete structures”

(For bio see page 43)

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



Adam M. Neville

“in recognition of his contributions to the concrete industry through extensive research and comprehensive experience as a teacher, author, and consultant”

(For bio see pages 43-44)

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 a 70-year commitment to innovative design of concrete structures, and for contributions to ACI committees related to concrete design and construction”

Walter P. Moore and Associates, Inc.

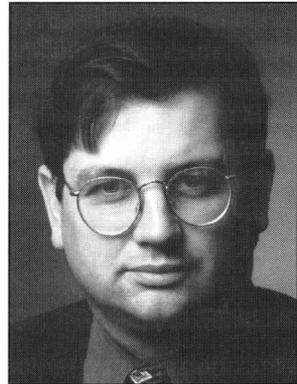
(For bio see page 44)

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

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

ACI Young Member Award for Professional Achievement

“for his contributions to advancing the quality of concrete construction through technology transfer, for his many activities and leadership in the ACI Iowa-Minnesota Chapter, and for his mentoring of younger colleagues and students”



Kevin A. MacDonald

(For bio see pages 44-45)

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

ACI Young Member Award for Professional Achievement



Rajalingam Valluvan

“for his dedication and leadership in supporting ACI committee work, and in applying research results to professional activities”

(For bio see page 45)

The **ACI Young Member Award for Professional Achievement** — ACI's newest honor, “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



Richard W. Burrows

“for his document *The Visible and Invisible Cracking of Concrete*, that should become required reading for practicing engineers, concrete materials specialists, and concrete specification writers”

(For bio see page 45)

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 ‘*Custom HPC Mixtures for Challenging Bridge Design*,’ which describes the producer’s role in supplying high-performance concrete to meet the demanding requirements of both the technical specifications and the production schedule for the Confederation Bridge”



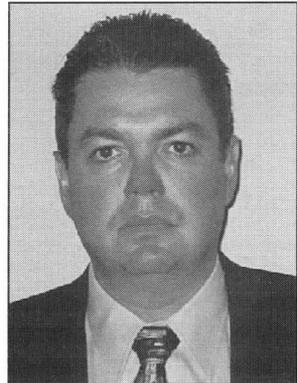
Jack J. Holley

(For bio see page 46)

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. Not restricted to members of the Institute.

ACI Construction Practice Award

“for his co-authored paper ‘*Custom HPC Mixtures for Challenging Bridge Design*,’ which describes the producer’s role in supplying high-performance concrete to meet the demanding requirements of both the technical specifications and the production schedule for the Confederation Bridge”

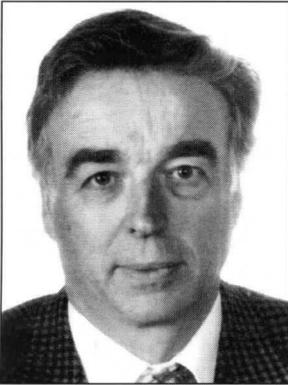


Michael D. A. Thomas

(For bio see page 46)

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ACI Construction Practice Award



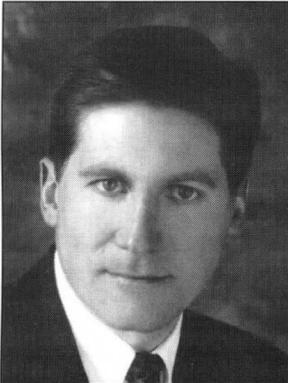
Donald S. Hopkins

“for his co-authored paper ‘*Custom HPC Mixtures for Challenging Bridge Design*,’ which describes the producer’s role in supplying high-performance concrete to meet the demanding requirements of both the technical specifications and the production schedule for the Confederation Bridge”

(For bio see page 46)

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. Not restricted to members of the Institute.

ACI Construction Practice Award



Kevin M. Cail

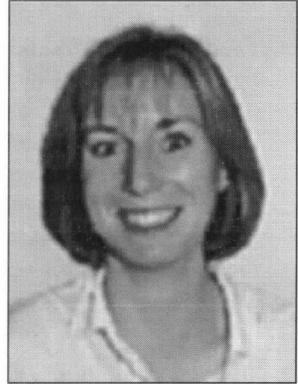
“for his co-authored paper ‘*Custom HPC Mixtures for Challenging Bridge Design*,’ which describes the producer’s role in supplying high-performance concrete to meet the demanding requirements of both the technical specifications and the production schedule for the Confederation Bridge”

(For bio see pages 46-47)

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ACI Construction Practice Award

“for her co-authored paper ‘*Custom HPC Mixtures for Challenging Bridge Design*,’ which describes the producer’s role in supplying high-performance concrete to meet the demanding requirements of both the technical specifications and the production schedule for the Confederation Bridge”



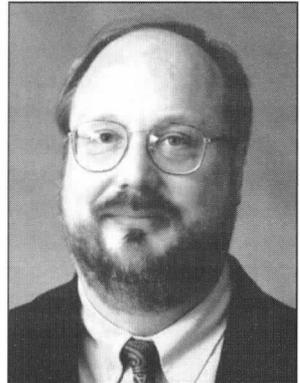
Marie-Christine Lanctôt

(For bio see page 47)

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. Not restricted to members of the Institute.

Wason Medal for Materials Research

“for his co-authored paper ‘*Compression Testing of HSC: Latest Technology*,’ examining the elements often overlooked or taken for granted in conventional concrete testing and providing exceptional HSC industry guidance as concrete compressive strength continually moves higher and higher”



Ronald G. Burg

(For bio see page 47)

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 that is an ACI member, all co-authors become eligible for the award.

Wason Medal for Materials Research



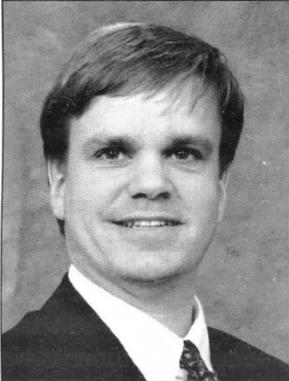
Michael A. Caldaroni

“for his co-authored paper ‘*Compression Testing of HSC: Latest Technology*,’ examining the elements often overlooked or taken for granted in conventional concrete testing and providing exceptional HSC industry guidance as concrete compressive strength continually moves higher and higher”

(For bio see page 48)

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Wason Medal for Materials Research



Daniel C. Jansen

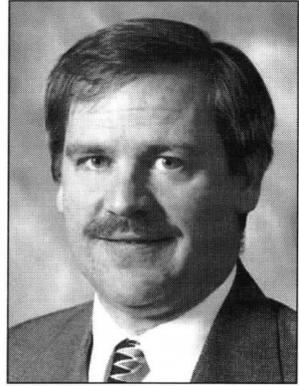
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(For bio see page 48)

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Terry J. Willems

(For bio see page 48)

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Guy Detwiler

(For bio see page 48)

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ACI Structural Research Award



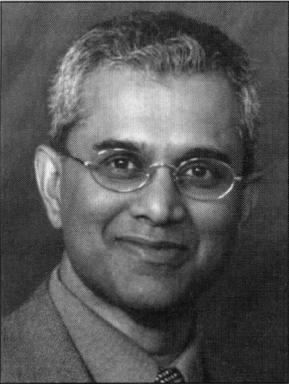
Ashraf El-Bahy

“for his co-authored paper ‘*Cumulative Seismic Damage of Circular Bridge Columns: Variable Amplitude Tests*,’ which significantly advanced the understanding of cumulative seismic damage of circular columns”

(For bio see pages 48-49)

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



Sashi K. Kunnath

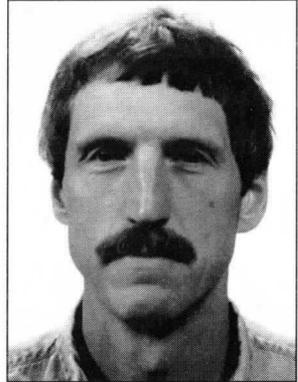
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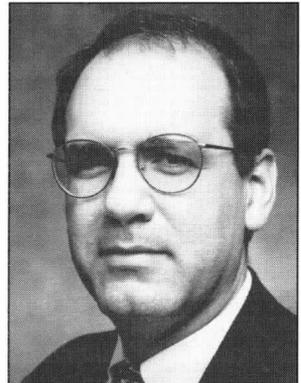
William C. Stone

(For bio see page 49)

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Andrew Taylor

(For bio see page 49)

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ACI Structural Engineering Award



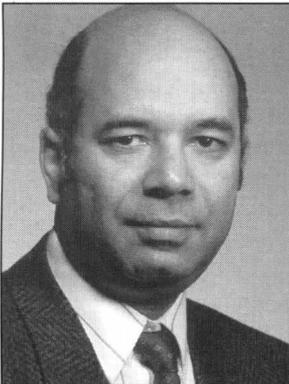
Mantu C. Baishya

“for his co-authored paper ‘*Innovative Bridge Panel System a Success*,’ describing an innovative stay-in-place bridge deck forming system that can minimize overall cost while providing excellent durability with a combination of pretensioning and high-performance concrete”

(For bio see page 50)

The ACI Structural Engineering Award recognizes advanced concepts and techniques related to structural engineering.

ACI Structural Engineering Award



Maher K. Tadros

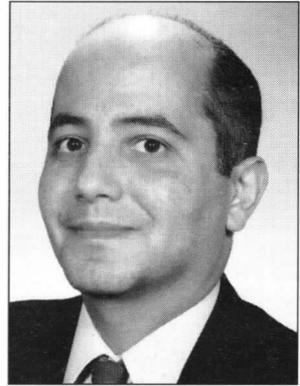
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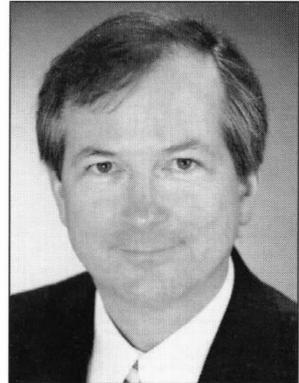
Sameh S. Badie

(For bio see pages 50-51)

The ACI Structural Engineering Award recognizes advanced concepts and techniques related to structural engineering.

Delmar L. Bloem Award for Distinguished Service

“for his effective management and leadership in the successful integration of various seismic provisions that resulted in the first national, consensus-based provisions for seismic-resistant design”



Jack P. Moehle

(For bio see page 51)

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) chairman, or under special circumstances, to deserving individuals other than committee chairmen, 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



Charles S. Hanskat

“for his effective management and leadership in the development of the first national code on environmental structures”

(For bio see pages 51-52)

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) chairman, or under special circumstances, to deserving individuals other than committee chairmen, 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 E. Wollmershauser

“for his effective management and leadership leading to the development of the ACI Committee 355 document on the evaluation of post-installed fasteners”

(For bio see page 52)

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) chairman, or under special circumstances, to deserving individuals other than committee chairmen, for outstanding service. Created in 1969, then renamed 2 years later to memorialize Bloem for his outstanding contributions to the technical work of the Institute. Nominations come from the Technical Activities Committee and are approved by the Board.

Chapter Activities Award

“for her service to ACI International, the ACI Georgia Chapter, and 18 years of service to the concrete industry”



LaGrit F. “Sam” Morris

(For bio see page 52)

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.

Concrete Research Council–Robert E. Philleo Award

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



Edward G. Nawy

(For bio see pages 52-53)

The Concrete Research Council: Robert E. Philleo Award — Given to an individual or 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. Established in 1992 by the Concrete Research Council of ACI’s Concrete Research and Education Foundation (ConREF).



LeRoy A. Lutz

“in recognition of his valuable contributions to civil engineering practice achieved through his extraordinary talent for translating complex research phenomena and experimental results into rational design provisions for structural concrete”

(For bio see page 53)

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

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 Breakfast.

OUTSTANDING CHAPTERS

To be announced at the Awards Breakfast.

Award Recipient Biographies

HONORARY MEMBERSHIP — **Hiroyuki Aoyama** (*see page 5*).

HONORARY MEMBERSHIP — **Joseph A. Dobrowolski** (*see page 6*).

HONORARY MEMBERSHIP — **James G. MacGregor** (*see page 7*).

HONORARY MEMBERSHIP — **Alexander C. Scordelis** (*see page 8*).

FELLOWS

Sergio M. Alcocer is Director of Research and Head of the Structural Engineering and Technical Area at the National Center for Disaster Prevention (CENAPRED) of the Mexican Federal Government. He is also Research Professor at the Institute of Engineering of the National University of Mexico (UNAM). An ACI member since 1987, he is secretary of Joint ACI-ASCE Committee 352, Joints and Connections in Monolithic Concrete Structures. He is a member of the ACI Task Group on International Strategies, and of ACI Committees 369, Seismic Repair and Rehabilitation; 374, Performance-Based Seismic Design of Concrete Buildings; and Joint ACI-ASCE Committee 445, Shear and Torsion, where he is task group leader. He is a former member of ACI Committee 368, Earthquake Resisting Concrete Structural Elements and Systems; and Joint ACI-ASCE Committee 442, Response of Concrete Buildings to Lateral Forces. His research interests include the seismic performance and rehabilitation of concrete and masonry structures. Results of his research have been incorporated in ACI design recommendations. He received his BSc in civil engineering from UNAM, and his PhD in structures from the University of Texas at Austin, TX.

Khaled W. Awad is President of Advanced Construction Technology Services (ACTS), a materials testing and consulting firm headquartered in Lebanon and operating in several countries in the Middle East. He is a member of ACI's Marketing Committee, the International Activities Committee, the International Conference Steering Committee, as well as ACI Committee C 630, Construction Inspector Certification. A member of ACI since 1989, Awad is also a member of ASTM, ASCE, the Institute of Concrete Technology (ICT) in the United Kingdom, and the Order of Engineers in Lebanon. He graduated from the American University of Beirut in civil engineering, received his MBA from the Lebanese University in Beirut, and his diploma in Advanced Concrete Technology from ICT.

Rachel J. Detwiler is Principal Engineer at Construction Technology Laboratories in Skokie, IL, where she conducts research and development projects and forensic investigations related to concrete durability. She is currently chairman of ACI Committee 227, Radioactive and Hazardous Waste Management, and a member of ACI Committee 234, Silica Fume in Concrete,

Award Recipient Biographies

and the Publications Committee. She has previously served on ACI's Nominations Committee; the Strategic Plan Overview Committee; and ACI Committees 126, Database Formats for Concrete Materials Properties; and 231, Properties of Concrete at Early Ages. She received her PhD in engineering from the University of California at Berkeley in 1988. She spent 1 year as a postdoctoral fellow under the sponsorship of the Royal Norwegian Council for Scientific and Industrial Research at Norges Tekniske Høgskole in Trondheim, Norway.

Marc O. Eberhard is Associate Professor of Civil and Environmental Engineering at the University of Washington, Seattle, WA. He is a member of the ACI Journals Oversight Team, and Joint ACI-ASCE Committee 445, Shear and Torsion. He is a former member of ACI Committees 368, Earthquake Resisting Concrete Structural Elements and Systems; and 341, Earthquake-Resistant Concrete Bridges. He previously received the ASCE Raymond C. Reese Research Prize (1994) for co-authoring a paper on seismic shear demands in reinforced concrete walls. Eberhard received his BS in civil engineering and in materials science and engineering from the University of California, Berkeley (1984), and his MSCE (1987) and PhD (1989) from the University of Illinois at Urbana-Champaign.

Filip C. Filippou is Full Professor and Vice Chair for Research and Technical Support at the University of California, Berkeley. He is also Visiting Professor at the University of Rome, La Sapienza, Italy, the University of Hannover, Germany, and Ecole Normale Supérieure in Cachan, France. He is chairman of Joint ACI-ASCE Committee 447, Finite Element Analysis of Reinforced Concrete Structures. He received his Dipl. Ing. in civil engineering from the Technical University of Munich in 1978, and his PhD in civil engineering from the University of California, Berkeley, in 1983. His research focuses on behavior and nonlinear analysis of structures under extreme loading conditions and, in particular, earthquake excitations.

Sigmund A. Freeman is Structural Engineer and Principal in the firm of Wiss, Janney, Elstner Associates, Inc. (WJE). He is a member of ACI Committee 369, Seismic Repair and Rehabilitation, and has also served on ACI Committee 307, Concrete Chimneys; and Joint ACI-ASCE Committee 442, Response of Concrete Buildings to Lateral Forces. He helped develop criteria for predicting damage to buildings due to ground motion and conducted investigations on existing reinforced concrete buildings, full-scale model structures in the field, and building components in the laboratory. Freeman received his MS and BS in civil/structural engineering at the University of California, Berkeley.

Award Recipient Biographies

Jill E. Glassgold is President of Masonry Resurfacing & Construction Co., Inc., Baltimore, MD. She is a member of ACI Committee 506, Shotcreting, and an associate member of C 660, Shotcrete Nozzelman Certification. She is also a member of the Construction Liaison Committee, the Concrete Research Council, the Young Member Award Committee, and the Financial Advisory Committee. Glassgold was formerly a member of the TAC Specification Committee and served as committee secretary. A past president and former board member of the Maryland Chapter of ACI, Glassgold served on the Chapter's Convention Committee as Hospitality Chair for the Fall 1999 convention in Baltimore. She received her MS in environmental engineering from Johns Hopkins University, and her civil engineering degree from Tufts University.

Mohammad S. Khan is Vice President in the Office of Professional Service Industries, Inc. (PSI), Fairfax, VA, and currently manages its Investigative Structural Testing & Evaluation Division. He is a member of several ACI Committees, including 123, Research and Current Developments; 201, Durability of Concrete; 222, Corrosion of Metals in Concrete; 357, Offshore and Marine Concrete Structures; and 548, Polymers in Concrete. He was also the editor of ACI Publication SP-191, "Water-Cement Ratio and Other Durability Parameters—Techniques for Determination." He received the ACI National Capital Chapter Outstanding Accomplishment Award in 2000, Oklahoma State University's 1992 Research Excellence Award, and also received the 1991 Mars Fontana Award from the National Association of Corrosion Engineers. Khan received his PhD in civil engineering from Oklahoma State University in 1992.

John R. Love is Principal Engineer/Project Manager with Law Engineering and Environmental Services, Atlanta, GA. He plans, coordinates, and executes forensic evaluations, designs repairs and consults on building materials problems. Past president of the ACI Georgia Chapter, he is also a member of ACI Committee 523, Cellular Concrete, and an Examiner for the ACI Level I Field Technician Test. Along with ACI Fellow Robert Jenkins, Love conducted a mini-research project, funded by the Georgia Chapter of ACI, that evaluated the characteristics of durable exterior concrete in North Georgia. He received his BSCE from Georgia Tech in 1969.

Mark D. Luther is Technical Service Engineer for the St. Louis-based south-central region of Holnam, Inc. He is past president of the ACI Pittsburgh-Area Chapter, and past chairman of ACI Committees 116, Terminology and Notation; and 233, Ground Slag in Concrete. He is a past member of ACI Committees 211, Proportioning Concrete Mixtures; 213, Lightweight Aggregate and Concrete;

226, Fly Ash, Other Pozzolans, and Slag; 227, Radioactive and Hazardous Waste Management; 234, Silica Fume in Concrete; 546, Repair of Concrete; and 547, Refractory Concrete. He received his BS in structural engineering and his MS in civil engineering from Purdue University, West Lafayette, IN.

Ward N. Marianos, Jr. is a Senior Associate with Modjeski and Masters, Inc., a consulting firm specializing in bridge engineering. He manages the firm's St. Louis, MO, and Edwardsville, IL, offices. Marianos is currently chairman of Joint ACI-ASCE Committee 423, Prestressed Concrete. He has served as chairman of the subcommittee on partially prestressed concrete, and was heavily involved in development of the committee's "State-of-the-Art Report on Partially Prestressed Concrete." He earned his BS and PhD in civil engineering from Tulane University in New Orleans, and his MS in structural engineering from the University of California at Berkeley.

Mario E. Rodriguez is Professor at UNAM, where he has been a faculty member since 1981. He is a member of ACI Committees 374, Performance-Based Design of Concrete Buildings; 369, Seismic Rehabilitation; 341, Seismic Earthquake-Resistant Concrete Bridges; 439, Steel Reinforcement; and Joint ACI-ASCE Committee 445, Shear and Torsion. In 1999, he received both the ANIPPAC (Mexican Association of Precast and Prestressed Producers) and IMCYC (Mexican Institute of Cement and Concrete) Awards, respectively, and in 2000 he received the CEMEX 2000 Award. Since 1999, he has been a member of the Board of Directors of the Mexican Society of Structural Engineers.

Frieder Seible is Professor and Chair of the Department of Structural Engineering at the University of California, San Diego. He has been on the faculty at UCSD for 18 years and is the founder and Director of the Charles Lee Powell Structural Research Laboratories. Professor Seible is a member of ACI Committees 343, Bridge Design; 437, Strength Evaluation in Existing Concrete Structures; 341, Earthquake Resistant Concrete Bridges; and Joint ACI-ASCE Committee 334, Concrete Shell Design and Construction. He has received numerous awards for his research contributions, including the ACI/PCA Award of Excellence for the Design of the Scripps Crossing Bridge, presented at the ACI annual spring meeting in Salt Lake City, March 1995, and the 2000 ACI International Structural Research Award for the paper titled, "A Pivot Hysteresis Model for Reinforced Concrete Members," awarded November 4, 1999. He is a registered professional civil engineer in California and has served on the Caltrans Seismic Advisory Board for the past 10 years.

Award Recipient Biographies

Roberto Stark is a consulting engineer with over 20 years of experience in the design of reinforced and prestressed concrete structures. He has been the structural consultant for the U.S. Department of State for their facilities in Mexico since 1991. Stark has also been a professor of engineering at the National University of Mexico since 1979. He is a member of ACI Committees 318, Subcommittee C, Safety, Serviceability, and Analysis; 369, Seismic Repair and Rehabilitation; and 374, Performance-Based Seismic Design of Concrete Buildings. He has participated in more than 50 seminars on ACI 318, Standard Building Code, and ACI 301, Specifications, in all the major cities in Mexico.

Luc R. Taerwe is a professor of structural concrete at Ghent University, Belgium, and Director of the Magnel Laboratory for Concrete Research. He is a member of ACI Committee 440, Fiber Reinforced Polymer Reinforcement; and a consulting member of ACI Committee 363, High-Strength Concrete, and Joint ACI-ASCE Committee 423, Prestressed Concrete. He is also a member of the Steering Committee and Council of *fib* (international federation for structural concrete), and is involved in standardization at the national level. In 1995, he organized the Second International Symposium on the Use of FRP Reinforcement for Concrete Structures. He is a recipient of the International Union of Testing and Research Laboratories for Materials and Structures (RILEM)'s Robert L'Hermite Medal and the International Association for Bridge and Structural Engineering (IABSE) Prize.

David Z. Yankelovsky is Professor of Civil Engineering and Head of the National Building Research Institute, Technion-Israel Institute of Technology, Haifa, Israel, where he has served on the faculty for 20 years. He serves on ACI Committees 370, Short Duration Dynamic and Vibratory Load Effects; 444, Experimental Analysis for Concrete Structures; 352, Joints and Connections in Monolithic Concrete Structures; and Joint ACI-ASCE Committee 445, Shear and Torsion. He has authored numerous technical papers in professional journals and conference proceedings, and has published many research reports, including two books. He is a Fellow of the American Society of Civil Engineers (ASCE) and a board member of CIB.

ARTHUR R. ANDERSON AWARD

Bryant Mather has been working in concrete research for the U.S. Army Corps of Engineers since 1941. He is currently Director Emeritus, Structures Laboratory, U.S. Army Research and Development Center, Vicksburg, MS.

He was president of ACI in 1964 and of the American Society for Testing and Materials (ASTM) in 1975.

He has been a recipient of many awards, including the ACI Henry C. Turner Medal (1973), the ACI Charles S. Whitney Award (1974), the ACI Delmar L. Bloem Award (1991), and the Robert E. Philleo Award for Concrete Research (1992). He also received the ASTM Sanford E. Thompson Award (1961), the HRB Roy W. Crum Award (1966), the ASTM Frank Richart Award (1972), the ASTM William T. Cavanaugh Memorial Award (1990), the Army Meritorious Performance Award (1965) and exceptional performance award (1968, 1991), the Abdun-Nur Award for research on fly ash (1986), and the aggregates foundation for technology, research, and engineering distinguished research award (1995). He was awarded the Corps of Engineers de Fleurey Medal upon his retirement in 2000. He was chairman of the concrete division of the Highway Research Board (HRB) from 1963-1969. He is a Fellow of ASTM, AAAS, and the Institute of Concrete Technology. He was selected as Corps of Engineers Civilian of the Year for 1992, and the same year was elected to the National Academy of Engineering.

He is a graduate of Johns Hopkins University, Baltimore, MD, and received an honorary DSc degree from Clarkson University in 1978.

ROGER H. CORBETTA CONCRETE CONSTRUCTOR AWARD

Dean E. Stephan retired as president, partner, and board member of Charles Pankow Builders, Ltd., a major commercial building contractor, in 1997. He joined Pankow's Los Angeles headquarters in 1972 and held various management and executive positions with the firm over his 25-year tenure.

Stephan's ACI activities commenced in 1974 with the publication of a paper on construction tolerances. He subsequently became a member and chairman of ACI Committee 117, Tolerances. He went on to become a member and chairman of the Technical Activities Committee and subsequently served as president of the Institute in 1995-1996. Stephan, an ACI Fellow, served on ACI's Board of Direction and was a member of various board committees. He is currently a trustee of ConREF and a past chairman of ConREF's board of trustees. He is also a member of ACI 318, Standard Building Code, and is chairman of Subcommittee A, General, Concrete, and Construction.

Award Recipient Biographies

Stephan is the recipient of many ACI awards, including the Delmar L. Bloem Award in 1992 and the Henry L. Kennedy Award in 1992. Other awards include membership in the National Academy of Engineering, the Civil Engineering Research Foundation Henry L. Michel Award, and Stanford University's Distinguished Alumnus Award.

JOE W. KELLY AWARD

Kenneth C. Hover is Professor of Structural Engineering, Cornell University, Ithaca, NY, and is a registered professional engineer in several states.

A Fellow of ACI, he is a member of ACI's Board of Direction, and was past chairman of two ACI committees.

In 1982, he won an Exxon Foundation grant to complete PhD studies in structural engineering, concrete materials, and materials science at Cornell University, under a program designed to bring experienced engineers to the faculty of U.S. Colleges of Engineering. Exxon funding was augmented with an ACI scholarship.

He has earned national research awards from ACI and ASCE, and has been the top-ranked technical seminar speaker at the World of Concrete every year since 1995. This year, he won the top teaching awards in the College of Engineering and at Cornell University.

He received his BS and MS degrees in civil engineering from the University of Cincinnati, Cincinnati, OH, and his PhD in structural engineering from Cornell University.

HENRY L. KENNEDY AWARD

Howard R. May retired in mid-1999, after more than 40 years of structural engineering work. He has previously worked for the Alaska Road Commission and has been a research engineer for the University of California, Berkeley.

In 1960, he set up a branch office of T. Y. Lin and Associates in Chicago. He continued to manage that Chicago office under three other firms (Conrad Associates, Conrad Associates East, and Desman Associates) until 4 years before his retirement. He continues to consult for his former firm, Desman Associates.

He has been a member of ACI for over 40 years and currently is a member of the Financial Advisory Committee and ACI Committee 362, Parking Structures. Previous service to ACI includes the Board of Direction; Joint ACI-TMS Committee 216, Fire Resistance and Fire Protection of

Award Recipient Biographies

Structures; the Convention Committee; the Strategic Plan Oversight Committee; and the Task Group on International Strategies. He is a past chairman of the Financial Advisory Committee, Joint ACI-TMS Committee 216, Fire Resistance and Fire Protection of Structures, and Committee 362, Parking Structures. In 1967, he was a co-recipient of the ACI Construction Practice Award.

May is a graduate of Johns Hopkins University, Baltimore, MD, and received an honorary DSc degree from Clarkson University in 1978.

ALFRED E. LINDAU AWARD

James G. MacGregor, a past president of the Institute, retired in 1993 from the University of Alberta, Edmonton, Canada, after 33 years of service, including a 3-year term as Chair of the Department of Civil Engineering.

MacGregor joined ACI in 1959. He was a director from 1973 to 1976 and served as president of the Institute in 1992-93. He currently is a member of three technical committees: ACI Committee 318, Standard Building Code; and Joint ACI-ASCE Committees 441, Reinforced Concrete Columns; and 445, Shear and Torsion. Previously, he served on the Technical Activities Committee for 5 years, and chaired ACI Committee 442, Response of Concrete Buildings to Lateral Forces.

In his 42 years as a member of ACI, MacGregor shared a number of ACI awards with his colleagues on ACI Committees or with students, including the Wason Medal for the Most Meritorious Paper in 1972 and in 1999; the Raymond C. Reese Medal in 1972; and the ACI Structural Research Award in 1988. Personal awards from ACI include the Joe W. Kelly Award in 1986 and the Delmar L. Bloem Distinguished Service Award in 1975. In 1988, he presented the first Phil M. Ferguson Lecture. In 1985, he received the Arthur J. Boase Award from the Reinforced Concrete Research Council. In 1997, the "Friends of Jim" arranged a full-day technical session in his honor at the ACI Convention in Seattle.

HENRY C. TURNER MEDAL

Adam M. Neville has been active as an expert witness on concrete structures for the past 13 years, and has also written about 30 articles (many of them published in *Concrete International*) aiming at improving concrete practice on the basis of the underlying science.

He is an honorary member of ACI; former chairman and current corresponding member of ACI Committee 209, Creep and Shrinkage in Concrete; and a member of ACI Committee 214, Evaluation of Results of Tests Used to Determine Strength of Concrete.

Award Recipient Biographies

Neville received the Stanton Walker Award in 1967, and he was the first recipient of the Arthur R. Anderson Award. He was appointed Commander of the Order of the British Empire by Queen Elizabeth for his technical and scientific work, and is an honorary member of the British Concrete Society.

He has received three Honorary Doctorates and an Honorary University Fellowship. He has also received the Reinforced Concrete Association Medal, the Institute of Concrete Technology Medal, and the Institution of Structural Engineers Research Award.

Neville obtained a bachelor's degree with first class honors from the University of London. He also holds three doctorates.

CHARLES S. WHITNEY AWARD

Walter P. Moore and Associates, Inc. is one of the leading specialty consulting engineering companies in the U.S. The Houston-based firm provides comprehensive structural engineering and specialized structural diagnostic consulting, as well as a complementary range of civil, traffic, and transportation engineering and parking consulting services.

Excellence in concrete design is a high priority for the firm, encouraging a longtime involvement in a variety of ACI activities. Firm partners have been and remain involved in nine ACI committees, including ACI Committee 318, Structural Concrete Building Code.

Javier Horvilleur, P. E., one of seven current senior firm principals, was honored with the Maurice P. van Buren Structural Engineering Award for excellence in reinforced concrete design for his pioneering design of the 60-story corporate headquarters tower for Bank of America in Charlotte, NC. Second generation firm President Walter P. Moore, Jr., who tragically died in 1997, received the ACI Alfred E. Lindau Award in 1992 for his lifelong commitment to excellence in the design of concrete structures.

ACI YOUNG MEMBER AWARD FOR PROFESSIONAL ACHIEVEMENT

Kevin A. MacDonald is a senior principal engineer with Braun Intertec Corp. in Minneapolis, MN, where he is responsible for concrete and materials technology.

He is a member of ACI Committee 223, Shrinkage-Compensating Concrete; 306, Cold Weather Concreting; and C 620, Laboratory Technician Certification. A member and current officer of the Iowa Minnesota Chapter,

MacDonald has participated in certification activities in Eastern Ontario and Minnesota.

MacDonald holds a bachelor's degree in chemical engineering from the University of Windsor, and a master's degree and doctorate in engineering materials from the same institution.

ACI YOUNG MEMBER AWARD FOR PROFESSIONAL ACHIEVEMENT

Rajalingam Valluvan is Senior Bridge Engineer with the Transportation Group at Earth Tech (Canada) Inc. (formerly Reid Crowther), where he has been since May 1997.

He is currently a consulting member of ACI Committee 318-E, Shear and Torsion; and a member of ACI Committees 341, Earthquake-Resistant Concrete Bridges; 369, Seismic Rehabilitation; 374, Performance-Based Seismic Design of Buildings; and Joint ACI-ASCE Committee 445, Shear and Torsion.

Valluvan received his bachelor's degree in civil engineering from Anna University, Chennai, India, in 1987; his MSc and DIC in concrete structures from the Imperial College of Science, Technology, and Medicine, University of London, UK, in 1989; and his PhD in civil (structural) engineering from the University of Texas at Austin in 1993.

WASON MEDAL FOR MOST MERITORIOUS PAPER

Richard W. Burrows, retired, has 16 years experience in concrete research, 24 years in the aerospace industry in the field of spacecraft reliability, and 15 years as a pianist, artist, and sculptor. He presents annual recitals and lectures on Ludwig von Beethoven at Red Rocks Community College.

His January 1951 ACI paper (with Harold Brewer) on the durability of concrete made with coarse-ground cement was critiqued by Bryant Mather. He received the ACI Wason Medal for his 1958 paper on air voids, written with Backstrom, Flack, Mielenz, and Wolkadoff. Later, he joined the Glenn L. Martin Co. and developed the environmental design and test specifications for the Titan Intercontinental Ballistic Missile.

In 1994, he wrote a short paper on concrete durability that was later expanded into *ACI Monograph No. 11*.

Burrows graduated from the Colorado School of Mines, served in the U.S. Navy, and began his study of concrete in 1946 with the U.S. Bureau of Reclamation.

Award Recipient Biographies

ACI CONSTRUCTION PRACTICE AWARD

Jack J. Holley is Vice President of Quality Assurance and New Product Development for Lafarge Construction Materials' (LCM) Business Performance Group.

A member of ACI, he is also a member of CSA A.23.1.2 Technical Committee, NRMCA Research Engineering Standards Committee, NAA/NSA Technical Committee, ASHTO Lead States ASR Committee, and FHWA/ACI Durability Workshops Project.

Holley has 28 years of experience in the design and control of concrete, from basic conventional mixes to the high-performance concrete supplied to the Confederation Bridge project on Prince Edward Island, and most recently for Lafarge's self-compacting concrete program.

Holley graduated from Algonquin College, Ottawa, Canada, with a degree in industrial chemistry.

Michael D. A. Thomas is an associate professor in the Department of Civil Engineering at the University of Toronto.

He is chairman of ACI Committee 365, Service Life Prediction; and is a member of ACI Committees 201, Durability of Concrete; 221, Aggregates; 232, Fly Ash and Natural Pozzolans in Concrete; 233, Ground Slag in Concrete; 234, Silica Fume in Concrete; and 236, Material Science of Concrete. He also serves on the Chapter Activities Committee and is past president of the ACI Ontario Chapter. He was a recipient of the ACI Wason Medal for Materials Research in 1997 and the ACI Construction Practice Award in 2000.

Donald S. Hopkins is Director of Marketing Communications, Canadian Cement Operations, Lafarge Canada, Inc., Toronto, Canada.

His 35 years of experience in the construction industry in Canada and France includes research and development of portland, slag, fly ash, and high-alumina and cement products.

Kevin M. Cail is Product Manager for Lafarge Canada, Inc., Toronto, Canada, and is responsible for its blended cement business, as well as looking after technical promotion, new products, and the development of new markets and applications.

Award Recipient Biographies

A member of ACI, he is also a member of various CSA technical committees related to cement and supplementary materials in Canada.

A native of Eastern Canada, he has lived and worked throughout Canada as well as Europe. During his career, he has held various positions in manufacturing operations, sales/marketing and research, and has had the opportunity to travel extensively in North America and Europe, working on issues related to cement, concrete, and supplementary cementing materials.

He is a graduate in civil engineering from the University of New Brunswick.

Marie-Christine Lanctôt has been a senior product engineer at C.T.S. since 1991. Previously, she was Manager of Technical Services (Northeastern Region) at C.T.S (1989-1991), and Lab Manager at Pernacon in Quebec (1988-1989). Lanctôt received her BEng in civil engineering and her master's in applied sciences from the University of Sherbrooke in 1985 and 1988, respectively.

WASON MEDAL FOR MATERIALS RESEARCH

Ronald G. Burg is Vice President at Construction Technology Laboratories, Inc., Materials Technology Department. He is a registered professional engineer in the State of Illinois.

A Fellow of ACI, he is Chairman of ACI Committee 363, High-Strength Concrete, and is a member of ACI Committees 209, Creep and Shrinkage in Concrete; 213, Lightweight Aggregate and Concrete; Joint ACI-TMS Committee 216, Fire Resistance and Fire Protection of Structures; and the Technical Activities Committee. He is also a member of the American Society of Testing and Materials, and the Precast/Prestressed Concrete Institute.

Burg has extensive background in the design, analysis, testing, and troubleshooting of high-strength concrete. In addition to serving as principal investigator on several major research programs on high-strength concrete, he often serves as a consultant to owners, engineers, and contractors on the development, use, and testing of high-strength concrete.

He received his BS in civil engineering from Iowa State University, Ames, IA.

Award Recipient Biographies

Michael A. Caldarone is General Manager of Quality Assurance/Quality Control for the concrete division of Texas Industries, Dallas, TX.

A member of ACI, he is secretary of ACI Committee 363, High-Strength Concrete, and is a member of ACI Committees 211, Proportioning Concrete Mixtures; and 305, Hot Weather Concreting. His professional affiliations include ACI, the American Society for Testing and Materials, and the Texas Aggregates and Concrete Association, among others.

He had previously been Assistant Quality Control Manager for a Chicago-based material service corporation.

He received his BS in structural engineering from the University of Illinois.

Daniel C. Jansen is Assistant Professor of Civil Engineering at Tufts University, Medford, MA.

A member of ACI, he has more than 10 years of experience testing and modeling concrete behavior and teaches courses in civil engineering materials, concrete properties, and reinforced concrete design.

Terry J. Willems was Materials Laboratory Manager for STS Consultants, Ltd., when his paper was written and is now a Senior Materials Scientist for Construction Technology Laboratories, Inc. He is a member of ACI Committee 515, Protective Systems for Concrete, and has over 22 years of experience in materials evaluation. He has been extensively involved in failure analysis of construction materials and evaluation of existing structures.

Guy Detwiler is currently the Manager of Technical Service and Product Development for Calaveras Cement Co., a part of Hiedleberger Zement. He is a past member of ACI Committees 211, Proportioning Concrete Mixtures; 212, Chemical Admixtures; 234, Silica Fume in Concrete; and 363, High-Strength Concrete.

ACI STRUCTURAL RESEARCH AWARD

Ashraf El-Bahy, P. E., is Principal/Senior Structural Engineer at Tilden Lobnitz Cooper, a consulting engineering firm, Orlando, FL, and is Adjunct Professor at the University of Central Florida, Orlando.

A member of ACI, El-Bahy is a noted researcher and contributor to professional journals.

El-Bahy's interests include earthquake-resistant design of structures, and inelastic behavior and damage modeling of reinforced concrete. Among his numerous high-profile projects at TLC are the Orlando International Airport Airsides 1, 3, and Landside Study, and the Orange County Convention Center Phase V.

El-Bahy received his BS and MS degrees in civil engineering from Cairo University, Egypt, and his PhD in civil engineering from the University of Central Florida.

Sashi K. Kunnath is Associate Professor of Structural Engineering at the University of Central Florida (UCF), Orlando, FL.

He has been active on ACI committees since 1987. He is a member of ACI Committees 335, Composite and Hybrid Structures; and 374, Performance-Based Seismic Design of Concrete Buildings. He is a former member of Joint ACI-ASCE Committee 442, Response of Concrete Buildings Lateral Forces.

He received his BS degree from Bangalore University, India, and his MS degree from the Asian Institute of Technology in Bangkok, Thailand. He earned his PhD from the State University of New York, Buffalo, NY.

William C. Stone is Leader of the Construction Metrology and Automation group at NIST, Gaithersburg, MD. He has 20 years of professional research, design, development, and deployment experience in structures, dynamics, and mechanical systems, including stress analysis, three-dimensional design, simulation, and design for manufacture.

Andrew Taylor has worked for KPFF Consulting Engineers in Seattle, WA, since 1997, where he specializes in base isolation and the seismic design and rehabilitation of concrete structures.

He is a member of ACI Committees 374, Performance-Based Seismic Design of Concrete Buildings; and 341, Earthquake Resistant Concrete Bridges; and a former member of Joint ACI-ASCE Committee 343, Concrete Bridge Design.

Taylor received his BSCE and MSCE degrees from the University of Washington in 1983 and 1985, respectively. He received his PhD from the University of Texas at Austin in 1990.

Award Recipient Biographies

ACI STRUCTURAL ENGINEERING AWARD

Mantu C. Baishya, P.E., is Senior Structural Engineer at Kirkham Michael Consulting Engineers, Omaha, NE.

He has published several papers in the field of reinforced, prestressed concrete and in the concrete repair field, both nationally and internationally. His current assignment at Kirkham Michael includes the design of innovative bridges and buildings.

He has 18 years of combined experience in teaching, research, and professional work in bridge and building engineering, and other engineering systems. Baishya has been involved with the following research areas: design philosophy and development of bridge specifications; use of high-performance materials in structures; full-scale experimental research; finite element modeling; structural reliability; and knowledge-based expert systems.

In 1982, he received his BSCE from Birla Institute of Technology and Science, Pilani, India, and in 1986, he received his MSCE from the University of Roorkee, Roorkee, India. He received his PhD in civil engineering from the University of Colorado, Boulder, CO, in 1993.

Maher K. Tadros is Chairman of the Construction Systems Department at the University of Nebraska. He is also a structural engineer at Tadros Associates LLC.

He is currently a member of ACI Committees 318, Subcommittee G, Precast and Prestressed Concrete; and 546, Repair of Concrete; as well as Joint ACI-ASCE Committees 343, Concrete Bridge Design; and 423, Prestressed Concrete.

His notable honors and awards include: ACI Nebraska Chapter Tom Reading Achievement Award (1998); NSPE Eastern Chapter Professional Engineer of the Year (1998); PCI Distinguished Educator Award (1995); ASCE, Outstanding Service Award (1991-92); ASCE T.Y. Lin Award, (1976, 1990, and 1997); Burchinal Teaching Award, West Virginia (1979); the Nebraska Legislature Teaching Award (1983); the PCI Committee Award of Merit (1988 and 1995); and the PCI Martin P. Korn Research/Design Paper Award (1989 and 1996).

Sameh S. Badie is Research Assistant Professor in the Civil Engineering Department, University of Nebraska, and is the principal investigator of research projects related to prestressed concrete bridges and high-performance concrete applications. He is a registered professional engineer in the state of Nebraska.

He has published over 35 publications related to structural analysis and prestressed concrete. He is a co-author of the *Bridge Design Manual*, published by the Precast/Prestressed Concrete Institute. In 1997, he was awarded the PCI Daniel P. Jenny Research Fellowship to conduct research on an innovative precast prestressed concrete stay-in-place bridge deck panel system. He received the Egyptian Ministry of Education Award of merit for his high scholastic standing five times.

He received his BS degree in civil engineering in 1983 and his MS degree in structural engineering in 1989 from Ain Shams University, Egypt. He received his PhD in structural engineering with an emphasis on prestressed concrete structures from the University of Nebraska.

DELMAR L. BLOEM AWARD FOR DISTINGUISHED SERVICE

Jack P. Moehle is Professor of Civil Engineering at the University of California, Berkeley, where he has been involved in teaching and research since 1980.

Moehle currently serves as a member of ACI Committee 318, Standard Building Code, where he also is chair of Subcommittee H, Seismic Provisions. He is a current member of the Technical Activities Committee; Committee 352, Joints and Connections in Monolithic Concrete Structures; and Committee 369, Seismic Repair and Rehabilitation. Previously, he has served as a member of Committees 368 (founding chair), Earthquake Resisting Concrete Structural Elements and Systems; 408, Bond and Development of Reinforcement; and Joint ACI-ASCE Committee 442, Response of Concrete Buildings to Lateral Forces.

Moehle received the Alfred E. Lindau Award in 1998 for his work on improving understanding of response of concrete structures to earthquakes. He became a Fellow of ACI in 1990.

Charles S. Hanskat is Regional Marketing Manager for DYK, Inc., El Cajon, San Diego, CA. He is a licensed professional engineer in 17 states.

He is a founding and current member of ACI Committee 371, Concrete Pedestal Water Towers, and a member of ACI Committees 372, Circular Concrete Structures Prestressed by Wrapping with Wire or Strand; and 373, Circular Concrete Structures Prestressed with Circumferential Tendons. He currently is chairman of ACI Committee 350, Environmental Engineering Concrete Structures. He has served on ACI Committee 344, Circular Prestressed Concrete Structures.

Award Recipient Biographies

His honors include the Young Engineer of the Year by FES, Engineer of the Year by the Edmund Friedman Young Engineer of the Year Award, and the Distinguished Service Award.

He received his BS and MS degree in Civil Engineering from the University of Florida.

Richard E. Wollmershauser is Director of Technical Services for Hilti, Inc., of Tulsa, OK, where he has been employed for the past 20 years.

A member of ACI Committee 355, Anchorage to Concrete, since 1984, he served as chairman from 1993-2000 and now serves as secretary. He was instrumental in the development and passage of a standard for the prequalification of post-installed anchors in concrete in support of ACI Committee 318, Structural Concrete Building Code. A Fellow of ACI, Wollmershauser also serves on ACI Committee 503, Adhesives for Concrete.

CHAPTER ACTIVITIES AWARD

LaGrit F. "Sam" Morris is Director of Administration, Georgia Concrete and Products Association, Inc. (GCPA), Tucker, GA.

A Fellow of ACI, she is a present member of the ACI Chapter Activities Committee; the Convention Committee; and E 601, Seminar Oversight Committee. She has been secretary/treasurer of the Georgia Chapter of ACI since 1999. She has also served as membership chair since 1995; currently serves as seminar chair for educational seminars; and served as vice chair of the ACI International Convention, Atlanta, 1996. She also serves in the capacity of executive director, Georgia Chapter, ACI.

Morris received the Distinguished Chapter Member of ACI's Georgia Chapter in 1985-1990, 1996, and 1999.

CONCRETE RESEARCH COUNCIL—ROBERT E. PHILLEO AWARD

Edward G. Nawy is Distinguished Professor of Civil Engineering at Rutgers University.

A fellow of ACI, Nawy has been active since 1959. He is the founding chairman and current member of ACI Committee 224, Cracking; past chairman of ACI Committee 435, Deflection of Concrete Building Structures; and is a member of ACI Committee 340, Design Aids for ACI Building Codes; and Joint ACI-ASCE Committee 421, Design of Reinforced Concrete Slabs. He was the

Award Recipient Biographies

second chairman of the Chapter Activities Committee, and helped formulate several major policies, including establishment of the roundtable conferences, and codification of chapter charters, inspector certification procedures, and committee awards. He was twice president of the ACI New Jersey chapter.

Nawy is the past recipient of the ACI Chapter Activities Committee and Henry L. Kennedy Awards, and also served two terms on the Rutgers University Board of Governors. He has published over 160 papers, and is the author of three books and a handbook on reinforced, prestressed, and high-performance concrete.

REINFORCED CONCRETE RESEARCH COUNCIL— ARTHUR J. BOASE AWARD

LeRoy A. Lutz is Vice President and Co-Founder of Computerized Structural Design, SC.

A Fellow of ACI, he is a member and past chairman of ACI Committees 408, Bond and Development of Reinforcement; and 439, Steel Reinforcement. He is a member of ACI's Innovative Task Group 2, the Rebar Development Pattern Technology Task Group, as well as ACI Committee 224, Cracking; and ACI Subcommittee 318-B, Reinforcement and Development.

He is also a former member of ACI Committees 224, Cracking; and 362, Parking Structures.

His honors include the Orton Spanley Award from ACI's Wisconsin Chapter in 1991.

He received his BS in civil engineering and his MS in structural engineering from the University of Wisconsin at Madison in 1960 and 1962, respectively. He received his doctorate in structural engineering from Cornell University in 1966.

Portland Cement Association — Bridge Awards Competition

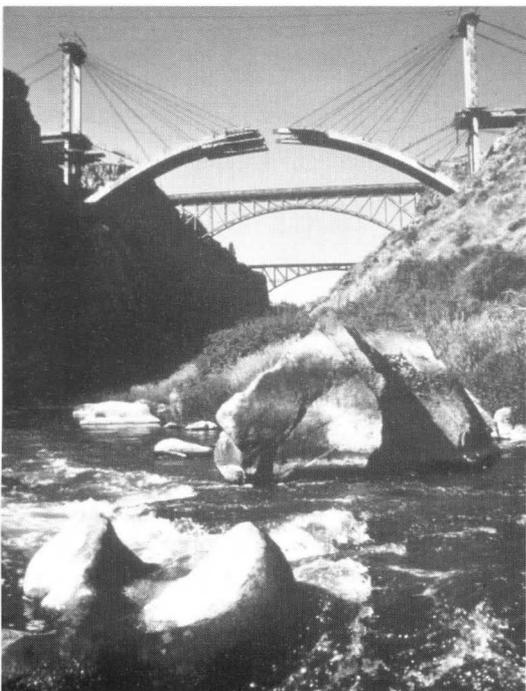
EIGHT CONCRETE BRIDGES SELECTED FOR AWARDS OF EXCELLENCE

Eight winners have been named in PCA's Seventh Biennial Bridge Awards Competition. This program was instituted in 1988 to recognize excellence in the design and construction of concrete bridges.

The 2000 program attracted 78 outstanding entries from Canada and the United States. All structures were essentially completed between October 1998 and October 2000. The entries covered a variety of structure types and construction methods, with spans ranging from short to long.

The winners were selected by a jury of three prominent bridge engineers: Myint Lwin, Structural Design Engineer, Federal Highway Administration, Western Resource Center, San Francisco, CA; Loren Risch, State Bridge Design Engineer, Kansas Department of Transportation, Topeka, KS; and Muthiah Kasi, Senior Vice President, Alfred Benesch and Company, Chicago, IL.

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



Crooked River Gorge Bridge
Ogden Scenic Wayside,
Terrebonne, OR

Owner:
Oregon Department of
Transportation

Engineer:
David Goodyear Engineering
Services

Contractor:
Kiewit Pacific Concrete

Supplier:
Quality Materials Inc.



I-15 Highway Reconstruction

Salt Lake City, UT

Owner:

Utah Department of Transportation

Engineers:

Sverdrup Civil Parsons
Transportation Group

Contractor:

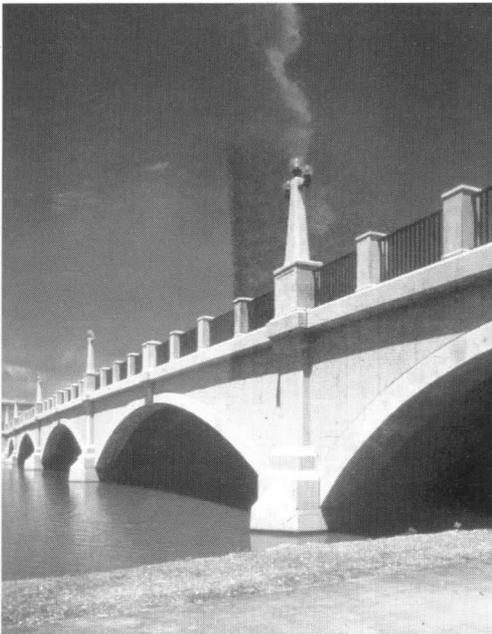
Wasatch Constructors

Concrete Supplier:

Basic Precast Company

Precaster:

Basic Precast Company



King Avenue Bridge

Columbus, OH

Owner:

Franklin County, OH

Engineers:

HNTB Corp.
Eriksson Engineering

Architect:

HNTB Corp.

Contractor:

C. J. Mahan Construction

Concrete Supplier:

Anderson Concrete Corp.

Precaster:

Tecspan Concrete Structures,
Inc.



Las Vegas Spaghetti Bowl
Las Vegas, NV

Owner:
Nevada Department of Transportation

Engineers:
Parsons, Brinkerhoff, Quade and
Douglas, Inc.
Figg Engineers
Finley-McNary Engineers, Inc.

Contractors:
Meadow Valley
Walter Construction Group
SCI Constructors, Inc.

Concrete Suppliers:
Ready Mix Inc.
CSR
Nevada Ready Mix

Precasters:
Walter Construction Group
SCI Constructors, Inc.



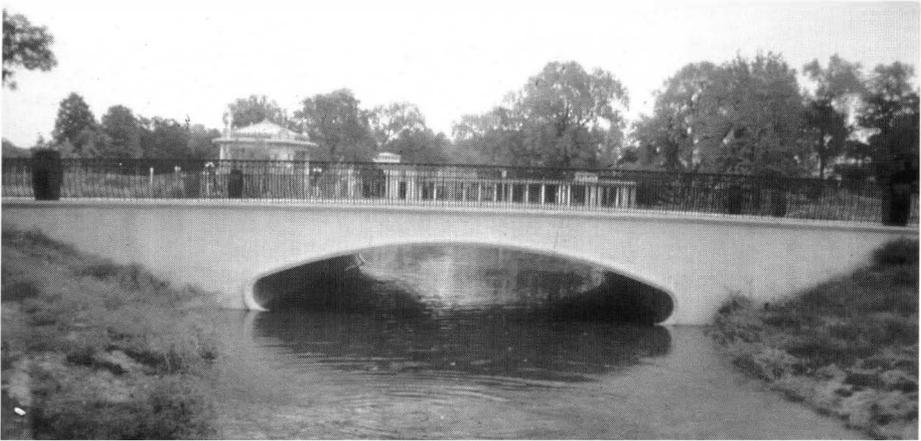
Lower Screwtail Bridge
Sunflower, AZ

Owner:
Arizona Department of
Transportation

Engineer:
T.Y. Lin International

Contractor:
Ames/Edward Kraemer &
Sons, Inc.

Concrete Supplier:
United Metro



Pagoda Circle West Vehicular Bridge
Forest Park, St. Louis, MO

Owner:
City of St. Louis, Board of Public Service

Engineers:
David Mason & Associates
St. Louis Development Corporation
URS
O'Brien-Kreitzberg
CON/SPAN Bridge

Architect:
David Mason & Associates

Contractor:
Schuster Engineering, Inc.

Concrete Supplier:
Egyptian Concrete Co.

Precaster:
Egyptian Concrete Co.



The Bridges at
Rancho Santa Fe
Golf Cart Bridges
Rancho Santa Fe,
CA

Owner:
Lennar Communities,
Inc.

Engineers:
T.Y. Lin International
AGRA Earth & Environmental

Contractor:
FCI Constructors, Inc.

Concrete Supplier:
Palomar Transit Mix

Precaster:
San Diego Precast



Whittier Access Project, Portage Creek Bridge
Portage, AK

Owner:

Alaska Department of Transportation and Public Facilities

Engineer:

CH2M Hill

Architect:

Land Design North

Contractors:

Herndon and Thompson, Inc.

Sandstrom & Son, Inc.

Agra Foundations, Inc.

Concrete Supplier:

Davis Concrete

Precaster:

Aggregate Products, Inc.

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