

# American Academy of Water Resources Engineers Congratulates Its Founding 500 Diplomate, Water Resources Engineers

The American Academy of Water Resources Engineers (AAWRE) congratulates and thanks the following Founding 500 Diplomate, Water Resources Engineers (D.WRE) of the Academy. Each professional engineer has demonstrated the highest level of achievement in water resources engineering through their water resources engineering experience, advanced level of education, and contributions to the engineering profession. These individuals exemplify and embody the very best in the broad field of water resources engineering; from academia, public service, and private practice. AAWRE celebrate these outstanding leaders that have made significant contributions to the field of water resources engineering and leading by example in furthering AAWRE's mission to improve the practice, elevate the standards, and advance the profession of water resources engineering.

## Honorary Diplomates

Leo Roy Beard\*  
Asit K. Biswas  
Paul F. Boulos  
Herman Bouwer  
Rafael L. Bras  
Robert A. Clark\*  
Henry T. Falvey\*  
Gerald E. Galloway\*  
John W. Keys, III\*  
Thomas S. Maddock\*  
Margaret S. Petersen\*  
Everett V. Richardson\*  
Daryl B. Simons\*  
Vijay P. Singh  
Warren Viessman, Jr.\*  
William W.G. Yeh  
Gilbert F. White\*  
Shaw L. Yu

\*Honorary Diplomate of Inaugural Class

## Diplomates

Steven R. Abt\*  
Wossenu Abtew  
Cameron T. Ackerman  
Anwer R. Ahmed  
Nicholas Albergo  
John A. Aldrich  
Alaa Ali  
Richard G. Allen\*  
Bradley A. Anderson  
Clifford E. Anderson  
Jerry L. Anderson  
Matthew W. Anderson  
Michael C. Anderson  
Ronald E. Anderson  
Howard O. Andrews  
Sultan Anjum  
George W. Annandale\*  
Elie G. Araj\*  
Neal E. Armstrong  
Larry A. Arneson  
Kenneth R. Avery  
Catherine M. Avila\*  
Chris D. Bahner  
Drew C. Baird  
Donald W. Baker  
Donald E. Barbe  
Billy Barfield  
Brian Barkdoll  
Kline P. Barney  
Michael E. Barrett  
Joseph T. Barrow  
William Barry  
James D. Barton  
Joseph J. Beal\*  
Philip B. Bedient  
Pradeep K. Behera  
Siavesh E. Beik  
Nathan Beil  
Joseph V. Bellini  
Todd H. Bennett  
M. Ilyas Bhatti  
Nani G. Bhowmik\*  
Stephen R. Bicking  
Jack C. Bjork  
Ronald D. Bliesner\*  
Frederick Bloetscher  
Daniel G. Bounds  
David S. Bowles  
Daniel W. Boyd\*  
John D. Boyer  
Jeffrey B. Bradley\*\*  
William E. Branch\*  
Robert Brashear  
Rolando Bravo  
Larry E. Brazil  
Timothy J. Brewer  
Glenn O. Brown  
Barbara S. Brown  
Jeanette A. Brown  
Frank X. Browne  
Carl J. Brouwer

Martin A. Brungard  
Mark A. Bryant  
Kathlie S. Bulloch\*  
William P. Bulloch  
Stephen J. Burges  
Edward H. Burgess  
Philip Burgi  
Christopher B. Burke\*  
Thomas T. Burke, Jr.  
Charles M. Burt\*  
Luis G. Cadavid  
David K. Carlton  
John G. Casana  
Ronald Chadderton  
Pascale Champagne  
Howard H. Chang  
Jun Chang  
Ni-Bin Chang  
Randall J. Charbeneau  
Panagiotis Chatzipanos  
Carl Wan-Cheng Chen  
Lizette R. Chevalier  
Pen-Chi Chiang  
David A. Chin  
Ramesh S. Chintala  
Daniel P. Christian  
Michael L. Clar  
Gary R. Clark\*  
Shirley E. Clark  
Albert J. Clemmens\*\*  
Eric S. Clyde  
Phil Cohen  
Fadi Georges Comair  
Phil G. Combs  
George V. Cotroneo  
Joseph Countryman  
Martin B. Covington  
Brandy Creed  
Joshua Crowley  
Steven F. Daly  
Clinton L. Davis  
Darryl W. Davis\*\*  
James V. Davey  
Paul A. DeBarry  
Ana Carmen DeMelo  
Perry De Pue, II  
David D. Dee, Jr.  
Michael K. Deering  
Misganaw Demissie  
Johannes J. DeVries  
Kelly N. DiNatale  
Elvidio V. Diniz  
Brian J. Doeing  
Anthony S. Donigian, Jr.  
Mark S. Dortsch  
John A. Dracup  
Karl J. Dreher  
Jennifer G. Duan  
Blaine N. Dwyer  
James Dwyer  
Thomas A. Earles  
Anthony J. Eberhardt  
John R. Eckhardt  
Darrell E. Eidson  
Earl E. Eiker\*  
Darwish Q. El-Hajji  
Gordon B. England  
John F. England, Jr.\*  
Andrew N.S. Ernest  
William H. Espey, Jr.\*\*  
Muzaffar M. Eusuff  
Ronald R. Eyma\*  
Frank E. Falcone  
Xing Fang  
Martin A. Farber  
Arlen D. Feldman\*  
Michael Feroz  
James M. Fiedler  
Richard Field\*  
Steve D. Fitzgerald  
Abdulai Fofanah  
David T. Ford\*  
Alan Forrest  
James L. Fouss  
Rodney E. Frederick  
Jeffrey W. Fredericks  
Harald D. Frederiksen  
Augustine J. Frederich\*

Gary E. Freeman  
Dorian French  
Richard H. French\*  
Val S. Frenkel  
Donald K. Frevert  
David M. Frick  
David C. Froehlich  
Jonathan E. Fuller  
John N. Furlong  
Thomas R. Gambucci  
Shaun B. Gannon  
Jurgen D. Garbrecht  
Nabil Bill Ghalayini  
Joshua B. Gilman  
Jeffrey S. Glenn\*  
Rick Gold  
Robert S. Gooch\*  
Christopher Goodell  
Ian C. Goulter  
Brett W. Gracely  
Randall R. Graham  
Walter M. Grayman  
David J. Greenwood  
Dixie M. Griffin, Jr.  
Neil S. Grigg\*  
Thomas R. Grindeland  
Lloyd Gronning  
John S. Grounds, III\*  
James R. Groves\*  
Mariano Guardo  
Max Guerra  
Blake C. Guillory\*  
Adolfo Guitelman  
A. Jake Gusman  
Yacov Y. Haimen\*\*  
Charles A. Hall  
Douglas Hamilton  
John M. Hamrick  
Dudley M. Hanson\*  
Henry J. Hatch  
James P. Heaney\*\*  
Pal A. Hegeudus\*  
Mitchell C. Heineman  
William P. Henry\*  
Jeffrey Herr  
Michael C. Hirschi  
Robert R. Holmes, Jr.  
Danielle Honour  
Rollin H. Hotchkiss\*  
Mark H. Houck  
Robert J. Houghtalen\*  
Terry A. Howell, Sr.  
Peter J. Hradilek  
Theodore V. Hromadka, II  
Haiming Henry Hu  
Nai Hsueh  
Wayne Huber  
Travis Hylton  
Tissa Illangasekare  
W. Robert Ivarson, Jr.\*  
Thomas L. Jackson\*  
Guy Jacquet  
Ranjit Jadhav  
Marshall E. Jennings  
Lalit Jha  
Billy E. Johnson  
Billy H. Johnson\*  
Jonathan E. Jones\*  
Neil M. Jordan  
Rajendra Juyal  
Mohammad Karamouz  
Karen C. Kabbes\*  
Jagath Kaluarachchi  
Jimmy C.M. Kao  
Chitranjan Kaushik  
Kenneth D. Kerri  
Robert D. Kersten\*  
Conrad G. Keyes, Jr.\*  
Liaqat A. Khan  
Sufian A. Khondker  
Roger T. Kilgore  
Mark W. Killgore  
Richard Kraus  
D. Wayne Klotz  
Sandra K. Knight  
Frank L. Kudrna  
Jan-Tai Kuo\*  
Peter F. Lagasse

Wasantha A.M. Lal  
James H. Lambert  
Mark N. Landers  
Kevin J. Landwehr  
David E. Langseth  
Richard Lanyon  
Dennis G. Larson  
Daniel H. Lau  
Ronnie M. Lemons  
James H. Lenhart, Jr.  
Lawrence J. Lennon, Sr.  
Thomas E. Levy  
Gary L. Lewis  
Deren Li  
James Li  
Shyang-Chin S. Lin  
James E. Lindell  
Clark C.K. Liu  
Werner C. Loehlein  
Gary L. Loss  
Eric D. Loucks  
T. Lynn Lovell  
Silong Lu  
Lin Luo  
Robert C. MacArthur  
David F. MacIntyre  
Brian W. Mack  
Charlotte A. Maddox  
Dean M. Mades  
Francis Magibisel  
Lawrence M. Magura  
Babalola A. Makinde-Odu-sola\*  
Joseph F. Malina, Jr.  
Nancy J. Manley  
Joe D. Manous, Jr.  
Thomas D. Mansur  
Michael S. Marcotte\*  
Santiago Maria-Reyna  
Jose A. Marti-Carvajal  
James L. Martin  
Morris L. Maslia\*  
David Mason  
Kristina Kirkyla Masterson  
Larry W. Mays  
Jason C. Maze  
Valerie S. McCaw  
Nathaniel D. McClure  
David L. McCormick  
Peter McCormick  
Steven C. McCutcheon\*  
Curtis P. McHaley  
Daene C. McKinney  
George F. McMahan, III  
Matthew M. McPherson  
William E. McMillin, Jr.  
Daniel E. Medina  
Asefa M. Melesse  
Lyndel W. Melton  
David H. Merritt  
Arthur C. Miller  
C. Lynn Miller  
Fernando R. Miralles-Wilhelm  
Azad Mohammadi  
Chin M. Mok  
Robert J. Montgomery  
Erika P. Moonin\*  
Farhang Mostaghimi  
Louis H. Moiz  
David W. Moughton  
Thomas W. Mountz  
Jack M. Mowreader  
Biswajit Mukhopadhyay  
Michael E. Mulvihill  
Robert A. Mussetter  
Herbert I. Nakasone\*  
S. K. Nanda\*\*  
Sherif Naoum  
Ananta K. Nath  
Michael H. Navabi  
John W. Nicklow  
Theodore L. Niemann  
Fidelia Nnadi  
Mardjono Notodihardjo  
Ramchand Oad  
Jayantha Obeysekera  
Gerardo Ocanas  
Joseph J. Oriens\*

Lindell E. Ormsbee\*  
Avi Ostfeld  
George E. Oswald\*  
Molly J. O'Toole  
Gary Palhegyi  
Richard Palmer  
Bijay K. Panigrahi  
Timothy Pangburn\*  
David L. Parkhill  
Luis A. Parra-Rosales  
Chandra S. Pathak  
David A. Patterson  
Hormoz Pazwash  
Jeffrey S. Pelletier  
Luis S. Pereira  
Elizabeth M. Perez  
David W. Peters  
Donald Phelps\*  
Bryan R. Phinney  
Nathan Pingel  
Robert E. Pitt  
Raymond A. Pittman  
Michael A. Ports\*\*  
Stanley S. Postma  
Nancy J. Powell  
David B. Powers  
David P. Preusch  
John W. Pulver\*  
Marcus Quigley  
Rafael G. Quimpo  
Nigel W.T. Quinn  
Peter D. Rabbon  
Ken Rainwater  
Timothy J. Randle  
Srinivasan Rangarajan  
Mizan Rashid  
J. Tom Ray  
Daryoush Razavian  
Andrew J. Reese  
John A. Replogle\*  
William W. Rice  
Dennis L. Richards\*  
Jerry R. Richardson  
Don Riley  
John C.W. Ritchie  
James C. Robinson  
Paul K. Rodman\*  
Larry A. Roesner  
Jerry R. Rogers\*\*  
Garland P. Rose, Jr.  
Steven V. Rose  
Blake D. Rothfuss  
Nicole Rowan  
A. Charles Rowney\*  
Bruce V. Rydbeck  
Andrea L. Ryon  
Elfatih Salim  
David Sample  
Michael T. Savage  
David Schaad  
Gary C. Schaefer\*  
James D. Schall  
Kyle E. Schilling\*  
Paul Alan Schindwein  
Art R. Schmidt, III  
James E. Scholl  
Robert P. Schreiber  
Marc A. Schulte  
Nancy U. Schultz\*  
Michael T. Schwarz  
Mary L. Searing  
Sharika U.S. Senarath  
Uzair Sam Shamsi  
Manju Prakash Sharma  
Kevin M. Sherman  
Peter A. Sheydayi  
F. Douglas Shields, Jr.  
Parmeshwar L. Shrestha  
John H. Sikora  
Harold D. Simpson  
Walter E. Skipwith  
David S. Smith  
Leland A. Smith  
Thomas L. Smith  
Mark G. Snyder  
Cecil Soileau  
Marc S. Solomon  
Venkataramana Sridhar

Peter Stahre  
Steve K. Starrett  
Dragoslav Stefanovic  
Stuart M. Stein  
David R. Stewart  
James A. Stiman  
Stuart W. Styles  
Shih Tun Su  
Vincent Su  
Yuming Jim Su  
Rao Y. Surampalli  
Ken J. Susilo  
Robert E. Swain  
Anthony N. Tafuri  
Berrin Tansel  
Martin J. Teal\*  
Darel M. Temple  
Gregg S. Ten Eyck  
G. Nicholas Textor\*  
Daniel L. Thomas\*  
William A. Thomas\*  
David B. Thompson  
David K. Todd\*  
Robert G. Traver\*  
D. Phil Turnipseed  
Harry N. Tuvel  
Aditya Tyagi  
Ben R. Urbanas\*  
Robert L. Van Antwerp, Jr.  
Richard J. Van Bruggen  
Laurens van der Tak  
Donald Van Sickle  
Brian J. Van Weele  
Mark J. Vanarelli  
Haralambos V. Vasiliadis  
Rene A. Vermeeren  
Guillermo J. Vicens  
Patrick R. Victor  
Randolph M. Videkovich  
Craig Von Bargen  
Richard A. Wagner  
Brian T. Wahlin  
Stuart G. Walesh\*  
Jennifer J. Walker  
John R. Walker  
Thomas Walski  
Raymond Walton\*  
Sam Wang  
Martin P. Wanielista  
John J. Warwick  
Chester C. Watson  
Jessica L. Watts  
William J. Weaver  
Jerry W. Webb\*  
Javier Weckmann  
H. Allen Wehrmann  
Glen F. Weien  
David M. Weston  
David A. White  
P. Kay Whitlock\*\*  
Jeffrey A. Wickenkamp  
Raymond K. Will\*  
David T. Williams  
Mark M. Wilsnack  
Matthias Wittenberg  
Kevin B. Wolfe  
C. Gary Wolff  
Lawrence Woodbury  
Kenneth R. Wright  
Leonard T. Wright  
Ralph A. Wurbs  
Ronald L. Wycoff  
Song-Kai Yan  
Chih T. Yang  
Y. Jeffrey Yang  
Mehmet C. Yavas  
Jungtsun Yean  
Michael M. Yeosock  
Fang Xin Yu  
Rafael Zarate  
Daniel Zell  
Darell D. Zimbelman\*\*  
George Zukovs

\*Diplomate of Inaugural Class  
\*\*Founding AAWRE Board of Trustee & Inaugural Diplomate

## AAWRE MISSION

The American Academy of Water Resources Engineers' mission is to improve the practice, elevate the standards, and advance the profession of water resources engineering by certifying engineers with specialized knowledge in water resources, recognizing the ethical practice of water resources engineering at the expert level, encouraging continued professional development for engineers, and supporting positions on water resources issues important to the public health.

AAWRE is a non-profit organization formed in 2004 by members of the ASCE's Environmental and Water Resources Institute (EWRI) and is the first Academy created under the Civil Engineering Certification, Inc. (CEC).

AAWRE – THE MARK OF EXCELLENCE IN WATER RESOURCES ENGINEERING

www.aawre.org