KEYNOTE SPEAKERS

(Alphabetical by last name)

Ken P. Chong, George Washington University, USA

Dr. Chong, P.E, is a Research Professor at George Washington University. He was the former Interim Division Director, Engineering Advisor, and Program Director of Mechanics and Materials at the National Science Foundation (NSF), 1989 to 2009. He earned a Ph.D in Mechanics from Princeton University. He specializes in wave propagation, solid mechanics and materials, nano-mechanics, smart structures and structural mechanics. He has been the principal investigator of over 20 federally funded research projects (from NSF, DOD, DOE, DOI, etc). He has published 200 technical papers, authored 4 textbooks on mechanics and edited 10 books. He has received awards including the fellow of ASME, AAM, SEM, ASCE Edmund Friedman Professional Recognition Award; Honorary Doctorate, Shanghai University; 49th Honorary Professor, Harbin Institute of Technology; Distinguished Member, ASCE; NSF highest Distinguished Service Award, , and the ASME Belytschko Mechanics Award.

Geert De Schutter, Ghent University, Belgium

Dr. Geert De Schutter is performing research in the field of concrete technology, at the Magnel Laboratory for Concrete Research, Department of Structural Engineering. He is laureate of several national and international awards, among which the Vreedenburgh Award in 1998, the RILEM Robert L'Hermite Medal in 2001, and the ACI Anderson Medal in 2014. During his career, he has been invited professor at several universities: 2002 Oita University, Japan; 2008-2014 University of Cergy-Pontoise, near Paris, France; 2014-2017 Tongji University, Shanghai, China; 2016 University of Nantes, France. In 2012, he was awarded the Francqui Chair at the University of Liège, Belgium. G. De Schutter is active member of RILEM, ACI and fib. From February 2009 to February 2014, he was also Director of Development of RILEM. At present, he is still member of RILEM Bureau, is chairman of RILEM Development Advisory Committee (DAC), and is RILEM Regional Convener for East-Asia. Recently, he was awarded an ERC Advanced Grant, for the 5-year project 'Smartcast'.

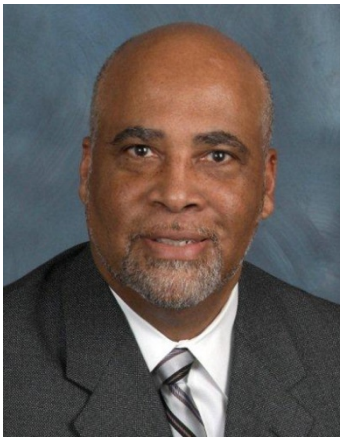
Christopher Drew, Director of Sustainability, Adrian Smith + Gordon Gill Architecture, USA

Dr. Christopher Drew is an internationally awarded Environmental Scientist and Sustainability Manager. He brings an understanding of the built environment with the natural environment and urban ecosystems through almost 20 years working as an environmental specialist. Dr. Drew contributes to AS+GG projects through establishing the sustainable design vision, goals and targets and then working closely with the architecture team and sub-consultants to develop appropriate implementation strategies. He has supported all of AS+GG most significant projects and helped the firm to win numerous environmental design awards. Prior to joining AS+GG in 2009, Dr. Drew was the Department Manager for Sustainability at Masdar City, Abu Dhabi, a project which is still considered to be the most sustainable large community development project in the world. Prior to that he was the environment and sustainability manager for the Abu Dhabi Airport Expansion Program – at the time the largest airport project in the world.

Robert J. Flatt, Professor, ETH Zürich, Switzerland

Dr. Robert J. Flatt's main research interests are the working mechanisms of chemical admixtures for concrete, digital fabrication in concrete and material science for the preservation of built cultural heritage. He received various awards among which the RILEM Robert L'Hermite Medal, the Ross C. Purdy and the Brunauer awards from the American Ceramic Society, an Outstanding Research Contribution in the Broad Area of Chemical Admixtures, the Sandmeyer Award for industrial and applied chemistry from the Swiss Chemical Society and two prizes from the First International Conference on Concrete Innovation. Recently he co-edited the book "Science and Technology of Concrete Admixtures" with Prof. Pierre-Claude Aïticn. He is Professor for Physical Chemistry of Building Materials at ETH Zürich since 2010. Before that he was Principal Scientist at Sika Technology AG and postdoctoral researcher at the Princeton University.

Henry L. Green, President and CEO, National Institute of Building Sciences, USA



Henry L. Green is President and CEO of the National Institute of Building Sciences since 2008. Prior to that he was Executive Director of the Bureau of Construction Codes in the Michigan Department of Labor for more than 19 years. Mr. Green is a proponent for developing and implementing building and fire safety initiatives and codes. In 2005, Henry was recognized by the United States House of Representatives for his work as "…a tireless advocate for building safety and enforcement of codes." Henry received the "Distinguished Service to Government" award from the Building Industry Association of Southeastern Michigan and was awarded the Walker S. Lee Award in recognition of outstanding service to BOCA International. Henry received the International Code Council's Bobby J. Fowler Award in October 2013, which is presented to an individual whose contributions to the building safety industry advance the Code Council's goals to achieve a safer built environment.

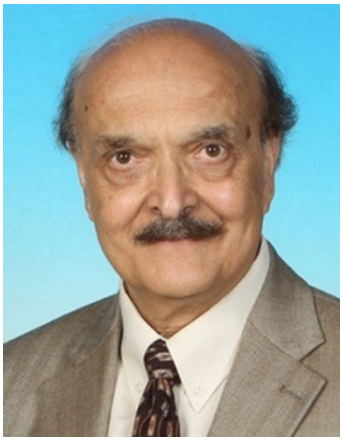
Kamal Henri Khayat, Professor, Missouri University of Science and Technology, USA

Dr. Kamal Khayat is professor of Civil Engineering and director of the Center for Infrastructure Engineering Studies at Missouri University of Science and Technology (Missouri S&T). He serves as director of the University Transportation Center for Research on Concrete Applications for Sustainable Transportation (RE-CAST). Dr. Khayat has conducted pioneer work in the field of rheology and high-performance concrete. He is the recipient of several honors and awards, including Fellow of ACI, Fellow of RILEM, 2015 ACI Arthur R. Anderson Medal, and 2014 G.H. Tattersall Award. Dr. Khayat has served on several technical committees for ACI, RILEM, TRB, and CSA, including ACI 237 on self-consolidating concrete (Chair, and Secretary) and RILM TC228 Mechanical Properties of self-consolidating concrete (Chair).

Nicholas Roussel, Senior Researcher, IFSTTAR, France

Dr. Nicolas Roussel is in charge of the mix design and processing of construction materials team at IFSTTAR (ex LCPC). He is the author of more than 80 international journal papers in the field of rheology, processing and construction materials. He was the chair of the organizing committee of the SCC2013 conference in Paris. He is editor in chief of RILEM technical letters, deputy editor in chief of Materials and structures and associate editor for Cement and concrete Research and Advances in Cement Research. He received in 2007 the Robert L'Hermite Medal for his work on rheology of fresh concrete. He is right now chairing the RILEM Technical Advisory Committee and the recent RILEM Technical Committee on Digital fabrication with cement-based materials.

Surendra P. Shah, Walter P. Murphy Emeritus Professor of Civil and Environmental Engineering, Northwestern University, USA



Dr. Shah is founding director of the Center for Advanced Cement-Based Materials. His current research interests include: fracture, fiber reinforced composites, nondestructive evaluation, transport properties, processing, rheology, nanotechnology, and use of solid waste materials. He has co-authored two books: Fiber Reinforced Cement Based Composites and Fracture Mechanics of Concrete. He has published more than 500 journal articles and edited more than 20 books. Besides teaching at Northwestern, He has taught at the University of Illinois, Chicago and served as a visiting professor at MIT, University of Sydney, Denmark Technical University, University of Singapore, Darmstadt University, and Laboratoire Central des Ponts et Chaussees, Paris. Awards include the Swedish Concrete Award, ACI's Anderson Award, RILEM Gold Medal, ASTM Thompson Award, ASCE's Charles Pankow Award, and Engineering News Record News Maker Award. **Dr. Shah is the distinguished honoree for SCC 2016.**

Caijun Shi, College of Civil Engineering, Hunan University, China

Dr. Caijun Shi received his B. Eng and M. Eng from Southeast University, Nanjing, China and his Ph.D from University of Calgary, Canada. He is currently a Chair Professor of College of Civil Engineering, Hunan University and China Building Materials Academy. His research interests include characterization and utilization of industrial by-products and waste materials, design and testing of cement and concrete materials, development and evaluation of cement additives and concrete admixtures, and solid and hazardous waste management. He has developed several novel technologies and products, and has been granted four US patents and more 15 Chinese patents. He has authored/coauthored more than 230 technical papers, five English books, two Chinese books and edited/co-edited five international conference proceedings. Dr. Shi has been invited to give presentations on a variety of topics all over the world and serves on many ACI and RILEM technical committees.

Olafur Wallevik, Professor, Reykjavik University, Iceland

Dr. Olafur H. Wallevik is the head of basic research at Innovation Center Iceland, professor at Reykjavik University and the manager of the ICI Rheocenter as well as guest professor at China Building Material Academy. His fields of specialty are Rheology of Fresh Concrete, High Performance Concrete, High Strength Concrete, Self-Compacting Concrete and Microstructures, in which he has written over one hundred publications and papers. He has held numerous rheology / SCC / HPC courses in about 30 countries. Wallevik have received several awards for his contribution in concrete technology, among others from Iceland, Canada, ACI/CANMET and the Nordic Concrete Federation Medal. He was awarded The Carl Klason Rheology Award from Nordic Rheology Society and the gold tag and medal from Engineering Federation of Iceland. On the National day of Iceland, 17th of June 2012, he received the Knight Cross of the Falcon Order for the contribution to environmental friendly building materials.