

Organizing Committee of ATH'20

Honorary Chair

Prof. Yassin Hassan (TAMU, USA)

Yassin Hassan is the Royce E. Wisenbaker '39 II Chair in Engineering, professor in the Department of Nuclear Engineering and the J. Mike Walker '66 Department of Mechanical Engineering, Texas A&M University. He received his master and doctorate in nuclear engineering from the University of Illinois, Urbana-Champaign and a master in mechanical engineering from the University of Virginia.

His research is in computational and experimental thermal hydraulics, reactor safety, laser-based flow visualization and diagnostic imaging techniques, system modeling, multiphase flow and advanced nuclear reactors.

He is a fellow of the American Association for the Advancement of Science (AAAS), the American Nuclear Society (ANS) and the American Society of Mechanical Engineers (ASME). His awards include the 2008 American Nuclear Society Seaborg Medal, the 2003 George Westinghouse Gold Medal, the 2004 Thermal Hydraulics Technical Achievement award and the 2017 James N. Landis Medal of the American Society of Mechanical Engineers. He is also a member of the National Academy of Engineering and a member of the Academy of Medicine, Engineering and Science of Texas. Hassan was sworn in 2007 as a part-time technical judge to the Atomic Safety and Licensing Board Panel, US Nuclear Regulatory Commission. He also serves as editor-in-chief of the Journal of Nuclear Engineering and Design and is associate editor of the Journal of Verification, Validation and Uncertainty Quantification.



General co-Chairs

Prof. Jean-Paul Chabard (EDF; France)

Graduated from *Ecole Centrale de Paris*, Jean-Paul Chabard joined in 1984 the Research and Development Division of EDF as a researcher in Computational Fluid Dynamics. He was successively Director of the National Hydraulics Laboratory, the Thermal Transfer and Aerodynamics Department and the Modeling and Information Technology Division. He then held many other management positions within the research and development of EDF.

More recently, he was Director for the creation and installation of the new research center of EDF on the Paris-Saclay Campus (more than 1000 people) and for the development of collaborations with French Academic Institutions. Since April 2015, he is Scientific Director of the EDF Research and Development Division.

He was professor in various French High Engineering Schools. He is currently Professor in the Mechanical Engineering Department of *Ecole Nationale des Ponts et Chaussées*.

Jean Paul Chabard is very active in various French and International scientific societies. He is Honorary Member of the International Association for Hydro-Environment Engineering and Research (IAHR) where he served for 8 years as vice president. He is also member of the Board of *Société Hydrotechnique de France* (SHF) who awarded him the *Grand Prix* of Hydrotechnics in 2006.



Prof. Seungjin Kim (Purdue University, USA)

Seungjin Kim is Professor and McCarthy Head of the School of Nuclear Engineering at Purdue University. He is also the co-director of the Thermal-hydraulics and Reactor Safety Laboratory. Kim's research expertise is in the area of reactor thermal-hydraulics and two-phase flow. More specifically, he has done research in reactor thermal-hydraulics, reactor safety analysis, two-phase flow experiments and modeling, interfacial area transport modeling, and two-phase flow instrumentation. He has actively taken leadership positions in his field of technical expertise and has served as the Chair of the American Nuclear Society Thermal Hydraulics Division. He is an ANS Fellow.



Prof. David Novog (*McMaster University, Canada*)

Dr. David Novog is an Industrial Research Chair in Nuclear Safety with 25 years of experience in nuclear safety and research. His research interests include reactor risk assessment methodologies, severe accident mitigation, and emergency planning and served in an advisory role on government and military bodies related to emergency response. Dr. Novog has given numerous public lectures and media interviews on SMRs and is the Principal Investigator on a multi-year multi-million dollar SMR university research and training program.



Technical Program co-Chairs

Dr. Sofiane Benhamadouche (*EDF ; France*)

Sofiane Benhamadouche graduated from Ecole Nationale des Ponts et Chaussées (2000) and University of Paris VI. He got his Mphil then his PhD at the University of Manchester (ex UMIST, 2006). He has been hired by the Fluid Mechanics, Energy and Environment Dept. at EDF R&D end of 2000. He was an active member in the development team of *Code_Saturne* (2000-2007) in which he introduced and developed several turbulence models for LES and RANS approaches. He co-supervised 6 PhDs and more than 20 Master's students.

Sofiane Benhamadouche is also involved in several industrial projects related to the operation and safety of nuclear power plant and contributed to European projects. He is expert-researcher at EDF R&D since 2010. In addition to several conference/symposia papers, he is the co-author of 26 international journal papers. He is also lecturer of Fluid dynamics and Associate Editor of the Journal of Nuclear Engineering and Design since 2015.



Dr. Igor Bolotnov (*NCSU; USA*)

Igor Bolotnov is an Associate Professor of Nuclear Engineering at North Carolina State University. His research had been funded through DOE, NSF and NRC. Dr. Bolotnov is a Program Chair for Thermal Hydraulics Division of ANS and past-president of NCSU Chapter of Sigma Xi. Dr. Bolotnov has over 120 refereed publications, including 34 journal papers. Eight Ph.D. and 15 Master's students have graduated under his supervision and he currently advises 6 graduate students.

His research focuses on single and two-phase flow turbulent flows, in particular to nuclear reactor applications, and utilization of high-performance computing for direct numerical simulation in complex geometries. Turbulence model development, including advanced machine learning techniques is another significant area of his research.



Local Organizing Committee

Fabien Crouzet (EDF; France)

Head of the Group “Local Thermal Hydraulics Models and Studies”; Fluid Mechanics, Energy and Environment Dept.; EDF R&D



Dr. Jean-François Wald (EDF; France)

Research Engineer in the Group “Local Thermal Hydraulics and System approaches”; Fluid Mechanics, Energy and Environment Dept.; EDF R&D



Patricia Hamel-Bloch (SFEN; France)

Operational Director at Société Française d’Energie Nucléaire

Michèle Le Goff (SFEN; France)

Manager of national events at Société Française d’Energie Nucléaire

Lise Baron-Alves (SFEN; France)

Communication Officer at Société Française d’Energie Nucléaire