

Advisory Board



Sezer Atamturktur, Ph.D.
Clemson University, USA.

Dr. Sezer Atamturktur attended Pennsylvania State University where her Masters research consisted of numerical modeling and non-destructive testing of domical structures. Her work earned her a World University Network Fellowship in 2007, through which she had the opportunity to initiate international collaborations with the University of Sheffield. In 2008, Dr. Atamturktur worked as a Graduate Research Assistant for the Global Nuclear Energy Program at Los Alamos National Laboratory. In August 2009, she received a Ph.D. degree in Civil Engineering - Structures option from Pennsylvania State University. Her doctoral work consisted of Verification and Validation of high uncertainty numerical models against experimental measurements. After graduation, she accepted a Long Term Visiting Technical Staff Member Position at Los Alamos National Laboratory to work on the Nuclear Engineering Advanced Modeling and Simulation program.

In August of 2009 Dr. Atamturktur started a tenure-track Assistant Professor position in the Civil Engineering Department at Clemson University. There, she built a research team consisting of 10 graduate students and 1 post-doctoral fellow. Dr. Atamturktur's research has been funded by the U.S. Department of Energy, the U.S. Department of the Interior, the S.C. Department of Transportation, the National Park Services, Los Alamos National Laboratory, as well as several industry partners. She is a 2007 Dominick J. Demichele Scholarship Award, 2007 James L. Noland Fellowship, 2009 CERS Best Paper Award, 2009 LAAP Award, 2010 MVUQ Best Paper Award recipient and has over 30 technical reports and publications in the area of Non-Destructive Testing, Correlation and Calibration of Numerical Models and Verification and Validation.



Peter von Bülow, Dr.-Ing.
University of Michigan, USA.

Professor von Bülow teaches graduate and undergraduate structures courses at Taubman College of Architecture and Urban Planning at the University of Michigan. He has a Dr.-Ing. from the Institute for Lightweight Structures and Conceptual Design (ILEK) at the University of Stuttgart (director Werner Sobek). He also holds degrees from the University of Tennessee: an M.S. in Civil Engineering and a B.Arch. from the School of Architecture. His area of research deals with the use of genetic algorithms for exploration and optimization of structural systems. He leads the development of ParaGen, a computational tool for architectural form exploration, which uses genetic algorithms to optimize parametric systems for structural and environmental performance.

Professor von Bülow carries professional registration in both architecture and engineering in Germany. He has worked for RFR-Stuttgart, Greiner Engineering, SL-Rasch and architectural firms in Bonn and Hamburg. He also spent a year at IL in Stuttgart (under Frei Otto) as a Fulbright Scholar.



Torwong Chenvidyakarn, Ph.D.
SC Asset Corporation Plc.,
Thailand

Dr. Torwong Chenvidyakarn is currently Vice President - Corporate Strategic Planning, SC Asset Corporation Plc.

Dr. Chenvidyakarn was Chair of Technical Teaching and Co-Director of the Centre for Risk in the Built Environment at the Department of Architecture, University of Cambridge, UK. At Cambridge, he lectured in architectural design, building innovation, environmental design and building physics at undergraduate and graduate levels in the Department of

Architecture and Department of Engineering. He also held Official Fellowship in Architecture at Magdalene College and Directorship of Studies in Architecture at Magdalene and Downing Colleges in the University of Cambridge. Dr. Chenvidyakarn received a Ph.D. in building sciences from the University of Cambridge, and carries out research in the areas of sustainable buildings and natural disaster management, with particular interests in low-energy ventilation, heating and cooling and the impacts of climate change on the design and management of the built environment. A qualified architect, he also works as a building systems consultant in the UK and Thailand, and has been a guest lecturer/critic at many universities, including Harvard Graduate School of Design in the US. Also, he was Director of International Academic Development at the Faculty of Architecture and Planning, Thammasat University.



Mahjoub Elnimeiri, Ph.D.
Illinois Institute of
Technology, USA.

Professor Dr. Mahjoub M. Elnimeiri holds a BSc. in Civil Engineering (with Honors) from the University of Khartoum, a D.I.C. and M.Sc. in Structural Engineering from London University at Imperial College, London, England, and Ph.D. in Structural Engineering and Structural Mechanics from Northwestern University, in Evanston, Illinois USA. (1974).

Since then he has been involved in the practice of structural and architectural work of buildings in Chicago, USA. and overseas. He is very active and well known in the professional and academic communities. He has been a speaker in many conferences and conventions. His expertise is in the areas of structural analysis, design, construction of buildings (particularly tall buildings), and in the applications of computer technology. His publications are directly related to these areas, and he is a recipient of the "State of

The Art Award” of the American Society of Civil Engineers in 1989. He is a member of a number of professional societies, and also a member of the steering group of CTBUH.

Dr. Elneimeiri is a chairman of CDCi Engineers international, Chicago, Illinois, USA. CDCi specializes on progressive and cutting edge of technologies. The practice includes structural analysis, design, and consulting on construction issues of very special buildings, primarily tall buildings.

Dr. Elneimeiri is also a full time professor, and the director of the Ph.D. Program, at the College of Architecture at Illinois Institute of Technology, Chicago, Illinois, USA.



Weijun Gao, D. Eng.
The University of Kitakyushu,
Japan

Dr. Gao is a Professor at the University of Kitakyushu, Japan and a Visiting Professor at many universities in China and United States. He got his Bachelor Degree in mechanical engineering at Shanghai Tongji University and his Master Degree in architectural technology from Zhejiang University and his Doctor degree in urban environmental planning from Waseda University. Professor Gao's research interests include: the science, engineering, management, and dissemination of 1. City environment planning; 2. Distributed energy system; 3. Building material recycle; 4. Evaluation of environmental impacts; 5. Geographic information system; 6. climate change, especially in urban area; 7. energy forecasting.



Jae-Weon Jeong, Ph.D.

Dr. Jeong is an Associate Professor of Architectural Engineering at Hanyang University in South Korea. He holds a Ph.D. degree from the Pennsylvania State University in United States and M.S. and B.S. degrees from Korea University. His research interests are high performance HVAC systems, DOAS, radiant heating and cooling, and evaporative cooling systems. Energy conservation in buildings and indoor air quality issues are also his research field.



Mojtaba Navvab, Ph.D., FIES
University of Michigan, USA.

Professor Navvab teaches graduate environmental technology courses and doctoral studies in architecture at the Taubman College of Architecture and Urban Planning at the University of Michigan. He is a fellow member of the Illuminating Engineering Society of North America (IESNA), a recipient of five IESNA's International Illumination Design Awards (IIDA) and the latter with several awards for daylighting research and for design input on some of the most prestigious architectural commissions of the 20th century.

Dr. Navvab's architectural practice is focused on building architectural design, renewable energy sources and their optimization associated with building energy performance criteria based on the US Green Building Council and LEED Certification. His current area of research utilizes the virtual reality laboratory for exploration of human perception of color, circadian rhythm, acoustic and visual comfort in relation to building environmental systems.

He chairs the Technical Committees TC 6-42 "Lighting Aspect for Plant Growth in Controlled Environment" within division 6 of the International Commission on Illumination (CIE). He is also a member of the International Advisory Board for the Lighting Research & Technology Journal within SAGE/CIBSE publications.



Jelena Srebric, Ph.D.
Department of Mechanical
Engineering & Architecture,
The University of Maryland,
College Park, MD, USA.

Dr. Srebric is a Professor of Mechanical Engineering & Architecture at The University of Maryland. She holds a Ph.D. degree from the Massachusetts Institute of Technology, USA and M.S. and B.S. degrees from the University of Belgrade, Serbia. Dr. Srebric conducts research and teaches in the field of building energy consumption, air quality, ventilation methods, and occupant/built environment interactions. She designed and built a state-of-the-art environmental

chamber facility and on-site data acquisition equipment kits. She has received career research awards from both the US National Science Foundation (NSF) and US National Institute for Occupational Safety and Health (NIOSH). Her most recent research funding and activities include emerging frontiers on understanding the transport processes in urban neighborhoods.



Shin-ichi Tanabe, Ph.D.
Waseda University, Japan

Shin-ichi Tanabe, B.Arch., M.Sc., Ph.D. is a Professor at the Department of Architecture, Waseda University. He is an expert in the fields of indoor air quality and thermal comfort. He graduated from the Department of Architecture, Waseda University in 1982. He worked at the Department of Textile and Clothing, Ochanomizu University as a senior lecturer from 1988-1992. He has been Professor at the Department of Architecture, Waseda University since 2001.

He stayed at the Laboratory of Heating and Air Conditioning, Technical University of Denmark during 1984-1986 and at the Center for Environmental Design Research, University of California, Berkeley during 1992-1993. He was a guest Professor at the International Centre for Indoor Environment and Energy, Technical University of Denmark during 2002-2003. He also received Ralph. G. Nevins Award from ASHRE in 1989, Technical Award, Society of Heating, Air Conditioning, and Sanitary Engineers, Japan in 1995, Prize of Research from Architectural Institute of Japan in 2002. Recently he received the ASHRAE Fellow award.