

Resource Persons

LED Lighting Seminar of Manufacturers in South Asia June 29 – July 01, Colombo, Sri Lanka



Nadarajah Narendran, Ph.D., is an associate professor and the director of research at Rensselaer Polytechnic Institute's Lighting Research Center. Professor Narendran is well known throughout the lighting industry for his pioneering research and educational activities in the field of solid-state lighting. His research focus is in the areas of LED lighting performance, packaging, and application. Professor Narendran leads a team of researchers and educators that conduct programs to accelerate the development and market transformation of this promising technology. Additionally, he organizes the ASSIST program, the Alliance for Solid-State Illumination Systems and Technologies. ASSIST is an international organization of researchers, manufacturers, and government agencies working to overcome the technological hurdles facing LED lighting and help speed its market acceptance. Professor Narendran has authored or co-authored more than 70 articles in archival journals and proceedings and holds several patents, including one as co-inventor of SPE™ (scattered photon extraction) technology. He is a Fellow of the Illuminating Engineering Society of North America.



Rahula Attalage, Ph.D. is attached to the Faculty of Engineering, University of Moratuwa as Professor in Mechanical Engineering is also the current Director of the Postgraduate division in the Faculty of Engineering, University of Moratuwa. He is a Chartered Engineer of the Institution of Engineers, Sri Lanka, Corporate Member and Member of Board of Directors, Sri Lanka Energy Managers Association. He is also currently a Commissioner in the Public Utilities Commission of Sri Lanka. He has been a Visiting Faculty member of AIT, Thailand and a Visiting Professor at Toyohashi University of Technology in Japan and has served in many national committees. He has co-authored 02 books, published in more than 25 indexed journals, more than 25 national & international conferences and several research reports and monographs. He has worked as a consultant to World Bank, ADB and Nexant Inc. on Energy related assignments. Currently he is working in the area of Building Energy systems, Renewable Energy systems and also on Engineering Education Development through University – Industry Linkage, Technology Transfer and Technology enhancement and involved in several industry related projects.



Jean Paul Freyssinier M.S., is a research assistant professor and research scientist at Rensselaer Polytechnic Institute's Lighting Research Center. He is an expert in the areas of solid-state lighting, energy-efficient lighting design, photometry, and the spectral effects of lighting, and his research projects include designing and evaluating lighting applications and demonstrations and development of high-efficiency LEDs. He also focuses on the areas of lighting technology transfer and education. His lighting experience includes working as principal of design in a full-service architectural lighting and automation design firm in Mexico where he designed lighting and control systems for high-end commercial and residential applications. Professor Freyssinier has authored or co-authored more than 20 scientific and technical articles and received a 2008 Best Paper Award from the Transportation Research Board of the National Academies (US) and the 2005 Walsh-Weston Award by the Society of Light and Lighting (UK).



Yiting Zhu, Ph.D., is lead research specialist and manager of technology testing and evaluation at Rensselaer Polytechnic Institute's Lighting Research Center. Her research interests include lighting technologies and applications, specifically solid-state lighting and packaging of phosphorconverted LED systems and optical design of LED-based luminaires to improve color quality and efficacy. Her research efforts include working closely with manufacturers to support the integration of LEDs into everyday applications by performing tests and evaluations in real-world environments. In 2007, she received the prestigious Link Foundation Energy Fellowship, fostering education and innovation in the area of societal production and utilization of energy, and she received the Best Paper Award at the First International Conference on White LEDs and Solid-State Lighting (Tokyo, Japan). In 2005, she was honored with the Architectural Research Centers Consortium/King Student Medal for Excellence in Architectural + Environmental Research. She is a member of the Illuminating Engineering Society of North America (IESNA).



Asiri Jayawardena, B.S., is a doctoral candidate in architectural sciences with a concentration in lighting at Rensselaer Polytechnic Institute's Lighting Research Center (LRC) and a research assistant in LRC's solid-state lighting group. His current research activities include solid-state lighting, and electrical and thermal characteristics of LED systems. Other research interests include considerations for energy mix in countries taking into account energy security, economics of energy efficiency, policies to encourage energy efficiency, and the impact of climate change on economics and energy consumption patterns. He has industry experience in electrical engineering, generation planning and design. In 2007, he represented Sri Lanka as a youth delegate at the World Energy Conference held in Rome, Italy, and played a key role in drafting the world energy congress youth declaration.