

**Keynote speaker:**

Prof. András Poppe, Ph.D., Head of the Department of Electron Devices
Budapest University of Technology and Economics

e-mail: poppe@eet.bme.hu

Presentation:

Extension of thermal transient testing towards LED multi-domain modelling and reliability testing

András Poppe obtained his PhD degree from the Budapest University of Technology and Economics (BME) in 1996. Currently he is the head of the Department of Electron Devices of BME where he is a full time professor. As one of the co-founders of Mentor's present MicReD product line, he is also active at Mentor, a Siemens business as a scientific advisor. He has been active in characterization of LEDs and OLEDs since 2003; he initiated the development of an equipment aimed at the combined thermal and radiometric/photometric testing of power LEDs (the present SIMCENTER TERALED product of Siemens/Mentor). He also has more than 2 decades of expertise in multi-domain modelling and simulation of semiconductor devices. He had significant contributions to JEDEC's and CIE's LED testing standards / recommendations; currently he is chairing the TC2-84 technical committee of CIE and is an active member of the JEDEC JC15 committee. András Poppe is the leader of the LED modelling workpackage of the Delphi4LED project of the EU. In 2013 he obtained the Harvey Rosten Award of Excellence for his publication on LED multi-domain modelling. In 2018, as a co-author he obtained the Harvey Rosten Award of Excellence for the second time, now shared with János Hegedüs and Gusztáv Hantos, for their 2017 publication on LED multi-domain models extended with LED lifetime.