

Keynote Speaker

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Keynote Talks

During General Session presentations, world-leading researchers and scientists share their journeys of discovery and progress through precision multiphysics simulation. We will also hear from the makers of COMSOL, as they provide insight into their vision and present sneak previews of upcoming versions of the software.



October 26-28

Vladislav Djakov

SENSOR DEVELOPMENT DIRECTOR, MICROVISK TECHNOLOGIES LTD



Novel Sensor Technology for Point of Care Diagnostics

Dr Vladislav Djakov is the co-founder of Microvisk Technologies Ltd and the inventor of its MEMS-based Technology. Born in Belgrade, Serbia he came to UK in 1995 to pursue M.Sc. in Artificial Intelligence followed by Ph.D. in Micro-robotics. With over 14 years of extensive 'hands-on' expertise on a number of micro-fabrication techniques, using standard and novel materials, as well as microelectronics interfacing and data acquisition Dr Djakov was responsible for a portfolio of International and National Projects on Micro and Nanotechnology at the STFC, Rutherford Appleton Laboratory with focus on Micro System Technology in Bio-Medical Field, Medical Diagnostics, Security and Space Science. In November 2007 he joined Microvisk team as the Sensor Development Director to assist with development of Point of Care and Prescription Home Use Blood Coagulometers. He is also responsible for the company's IP portfolio and the principal author of its 3 international patents. He has given a number of invited talks, lectures and presentations, at National and International levels.

Jan Ohs

R&D, ROBERT BOSCH GMBH



Modelling degradation phenomena in PEM fuel cells using Comsol Multiphysics

Jan Ohs graduated in mechanical engineering at RWTH Aachen, Germany. In 2006/07, he studied at Imperial College London at the Department of Chemical Engineering and had first contact to fuel cells. Since 2008, he has been working in the R&D-department at Bosch in Stuttgart. He is using Comsol for modelling work on fuel cells for automotive application. The main focus is cell degradation.

Jos van Schijndel

ASSISTANT PROFESSOR, EINDHOVEN UNIVERSITY OF TECHNOLOGY



Computational Building Physics using Comsol: Research, Education and Practice

Jos van Schijndel completed his MSc in 1998 at the Department of Applied Physics at the Eindhoven University of Technology (TUE). In 2007 he obtained a PhD degree at the TUE on integrated heat, air and moisture modeling. Currently, he is assistant professor focusing on Computational Building Physics. His passion is creative computational modeling using state of art scientific software and experimental validation in real life buildings within triple-win projects, including: scientific research, inspired education for students and relevancy for society.

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