



## Prof. Ole Sigmund

Prof. Ole Sigmund is a Professor at the Department of Mechanical Engineering, Technical University of Denmark (DTU) since 2001. He obtained his Ph.D. degree 1994 and Dr. Techn. (Danish habilitation) in 2001 – both from DTU. He has worked as research assistant at the University of Essen, Germany and as a postdoctoral researcher at Princeton University, USA. Ole Sigmund is a member of the Danish Academy of Technical Sciences since 2003 and the Royal Academy of Science and Letters (Denmark) since 2008. He is the Secretary of the Danish Center for Applied Mathematics and Mechanics (DCAMM, affiliated with Euromech) since 2004, President of ISSMO - International Society for Structural and Multidisciplinary Optimization since 2011 and serves on the editorial or advisory boards for 6 international journals within mechanics and numerical methods.

Ole Sigmund's research interests include theoretical extensions and applications of topology optimization methods to the design of extremal materials, smart materials, compliant mechanisms, Micro-Electro-Mechanical Systems, crashworthiness, fluid systems and wave-propagation problems in acoustics, elasticity, nano-optics, meta-materials and antennas.

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