

Niels Aage, Technical University of Denmark

Talk title	On the usefulness of ultra-high resolution topology optimization methods
Biography	Dr. Niels Aage is an Associate Professor of solid mechanics at the Technical University of Denmark and a member of the DTU TopOpt group. His research interests include the development of new methods for structural optimization, efficient numerical methods for giga-scale optimization, multiphysical design optimization and educational tools for structural optimization. Prof. Aage has authored more than 38 papers in ISI indexed journals, including three highly cited in field. He has been invited speaker and key note lecturer at multiple scientific conferences and has received prizes for his pioneering work on giga-scale computational morphogenesis published in Nature. Furthermore, he has developed specialized structural optimization open-source codes tailored for use on high-performance computing systems.