

Dennis M. Kochmann – ETH Zürich, Switzerland

Talk title	Architected materials as a playground for homogenization
Biography	<p>Dennis M. Kochmann received his education at Ruhr-University Bochum in Germany and at the University of Wisconsin-Madison. After postdoc positions at Wisconsin and Caltech, he joined the Aerospace Department at Caltech (GALCIT) as Assistant Professor in 2011. In 2016 he was promoted to Professor of Aerospace, a position he held through 2019. Since April 2017 he has been Professor of Mechanics and Materials at ETH Zürich, where he served as Head of the Institute of Mechanical Systems and is currently Deputy Head of the Department of Mechanical and Process Engineering. His research focuses on the link between microstructure and properties of a variety of (natural and architected) materials, which includes the development of theoretical, computational and experimental methods to bridge across scales from nano to macro – tackling both forward and inverse homogenization problems. He was a Fulbright and Feodor-Lynen fellow, and his research has been recognized by, among others, the Bureau Prize in Solid Mechanics from IUTAM, the Richard von Mises Prize by GAMM, an NSF CAREER Award, ASME's T.J.R. Hughes Young Investigator Award, and an ERC Consolidator Grant.</p>