

**Yoon Young Kim**, Seoul National University, Korea

<b>Talk title</b>	<b>Numerical Synthesis of Linkage Mechanisms by Topology Optimization</b>
<b>Biography</b>	<p>He is a professor at Seoul National University (SNU), being a member of the Korean Academy of Science and Technology and the National Academy of Engineering, Korea. He was educated at SNU for his BS and MS and at Stanford University for his Ph.D. His research is focused on mechanics-based analysis and design including the topology optimization of linkage mechanisms and the design of elastic metamaterials. His current research on the numerical synthesis of robot linkage mechanisms is funded by the Samsung Research Funding &amp; Incubating Center for Future Technology. He served as the president of the Korean Society of Mechanical Engineers and is the president of the Korean Society of Computational Mechanics. He served as a co-chair of WCCM 2016. He is the president of the Asian Society of Structural and Multidisciplinary Optimization and an executive member of IACM and APACM. His recent awards include the Korean Mechanical Engineering Person of the Year 2019, Excellent Education Award of Dept. of Mech. Eng., SNU (2019), Queen Dido Award (2019), and SNU Research Excellence Award (2018).</p>