

Dr. Juha Song, is an Assistant Professor, in the School of Chemical and Biomedical Engineering at Nanyang Technological University (NTU), an active member of the Singapore Centre for 3D Printing (SC3DP) and the school representative for robotics research center (RRC). She has obtained her PhD in Materials Science and Engineering at Massachusetts Institute of Technology, in 2011 with research focus on biomimetics and biomechanics for an understanding of material design principles of natural exoskeleton systems. She did her post-doctoral training at Advanced Institute of Convergence Technology, Seoul National University, where she conducted research on development of hybrid biomaterials for dental, orthopedic, cardiovascular and soft tissue implants, actively working with local biomedical companies. During 2014-2015, she was also a contract professor at Korea University, School of Biomedical Engineering. Her lab's research interests focus on experimental and theoretical investigations of natural and synthetic composite materials across all length scales, particularly in the field of biomimetic and bioinspired engineering, as well as biomedical engineering, covering various topics on nanomechanics, biomechanics, biomimetic design, 3D fabrication and prototyping, biomedical material design, synthesis and evaluation.