

Seungik Baek

Associate Professor of Mechanical Engineering at Michigan State University

East Lansing, MI, US

Dr. Baek is an associate professor in the Department of Mechanical Engineering at Michigan State University.

Biography

Dr. Baek is an associate professor in the Department of Mechanical Engineering at Michigan State University. He researches computational modeling of arteries to aid patients in predicting their potential risk and clinical management. Particularly, Baek's research focuses on aneurysms and pulmonary hypertension, and their applications to biomedical engineering. He supervises research and education activities in the Cardiovascular and Tissue Mechanics Research Laboratory. Baek's research group has published more than 50 publications in peer-reviewed journals on topics related to cardiovascular mechanics and tissue engineering. He received the NSF CAREER in 2012 and has received multiple grants from NSF and NIH. Baek received his Ph.D. in Mechanical Engineering in 2003 from Texas A&M University.

Industry Expertise

Health and Wellness, Education/Learning

Areas of Expertise

Computational and Statistical Interventions for Vascular Disease, Vascular Growth and Remodeling, Cardiovascular Mechanics, Mechanobiology and Tissue Engineering

Education

Texas A&M University

PhD Mechanical Engineering

Seoul National University

BS Biosystem Engineering

Accomplishments

The Withrow Distinguished Scholar Award

2013

NSF CAREER Award

2012

**MSU Intramural Research Grants Program (IRGP) Award
2007**

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