



The University of Texas at Tyler
College of Engineering and Computer Science
Faculty Biographical Sketches

S.F. Chou,PH.D.

CURRENT POSITION:

Assistant Professor, Department of Mechanical Engineering

BIOGRAPHICAL SKETCH

Dr. Shih-Feng Chou received a Bachelor of Science degree in Mechanical Engineering at National Chiao Tung University (Hsinchu City, Taiwan) in 2001. He was a graduate research and teaching assistant from 2003 to 2006 in the Department of Mechanical Engineering and Energy Processes at Southern Illinois University Carbondale (Carbondale IL.) when he received his Master of Science degree in 2005. He received his Doctor of Philosophy degree in Materials Engineering at Auburn University (Auburn AL.) in 2011. He then worked as a research associate at Thayer School of Engineering at Dartmouth College (Hanover NH.) from 2012 to 2013. He later worked as a senior fellow in the Department of Bioengineering at University of Washington (Seattle WA.) from 2014 to 2016. He joined the Department of Mechanical Engineering at The University of Texas at Tyler as an assistant professor in September 2016.

Dr. Chou has many years of research experience in structure-property relationship of biomaterials. He is interested in several advanced manufacturing techniques for the fabrication of functional biomaterials with outstanding mechanical properties using natural and/or synthetic polymers. Dr. Chou's research focuses on addressing current challenges in drug delivery and tissue engineering using these multi-functional biomaterials. He has authored/coauthored in 14 Journal papers in the field of mechanical properties, drug release, and cell culture using biomaterials. A complete and updated publication record from Dr. Chou can be found at <https://scholar.google.com/citations?hl=en&user=JgP1Sv8AAAAJ>

Highly motivated graduate students interested in doing hands-on experiment of biomaterials in a hypothesis-driven environment are encouraged to apply with a CV to Dr. Chou's email. Undergraduate research projects are available, and interested candidates are welcome to discuss potential research opportunities with Dr. Chou.

RESEARCH INTERESTS

Fabrication, structure-property relationships, and biomedical applications of biomaterials.

CONTACT INFORMATION

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