

## **MEM Invited Seminar for Mechanics of Materials**

Monday, February 9<sup>th</sup>, 1-2pm  
MEM Seminar Room

### **Mechanics of Materials and Structures (MOMS) & Design of Engineering Material Systems (DEMS) Programs at the National Science Foundation**

Dr. Thomas Siegmund  
Program Director  
National Science Foundation

#### **Abstract**

In this talk I will discuss two of the core programs in the Division of Civil, Mechanical and Manufacturing Innovation at the National Science Foundation. The Mechanics of Materials and Structures (MOMS) program supports fundamental research in mechanics of materials, of structures and research that merge these two domains. The Design of Engineering Material Systems (DEMS) program supports fundamental research in methodological advances on design approaches that translate performance requirements into material system embodiments.

#### **Bio**

Dr. Siegmund has been a program director at NSF since 2013. He is a faculty member in the School of Mechanical Engineering at Purdue University. There he conducts research in fracture and fatigue, in biomechanics and on microarchitected material systems. He is a fellow of ASME and a member of the board of directors of SES. He currently serves as an associate editor for the Journal of Applied Mechanics.

#### **Contact:**

Dr. Antonios Kontsos  
[akontsos@coe.drexel.edu](mailto:akontsos@coe.drexel.edu)  
215-895-2297