

AGENDA

Workshop on Funding Opportunities for Computational Mechanics

July 26th, 2018

9:45am – 11:45am

Location: Skybridge Lobby 16th Floor, Marriot Marquis NYC

Attendees: All participants of WCCM are welcome

Moderator: Steve Sun, Columbia University

Format: Short presentations + Q&A session

9:45 – 10:45

Presentation

NSF Mechanics of Material and Structure | Siddiq Qidwai

NSF Integrative Activities | Joanne Culbertson

Army Corps of Engineers | Michael Roth

Sandia National Laboratories | James Stewart

National Institute of Health | Grace Peng

Air Force Office of Scientific Research Jaimie Tiley

National Institute of Standards and Technology | James Warren

10:45 – 11:45

Q & A Session

Scope:

Computational mechanics has revolutionized multiple disciplines. Ranging from vehicle crash simulations, petroleum reservoir modeling, cancer research, additive manufacture to financial engineering, computational mechanics has changed how engineers, doctors, policymakers analyze problems, make decisions and save lives, as exemplified by the wide spectrum of topics and interests covered in hundreds of mini-symposia. To continue this success in future generations, the support of funding agencies plays a crucial role, both for individual PIs and for the entire computational mechanics community. Nevertheless, great research ideas and excellent plans are often the necessary but not sufficient condition for securing funding and sustaining a research career. This workshop provides an important opportunity for the future and early-career PIs to learn how to explore opportunities across different agencies from the program directors directly responsible to programs relevant to our community. A wide range of topics, including the mission and roles of funding agencies, the application process of grant proposals, the review criteria and common pitfall and errors in submitting proposals will be covered. To encourage dialogues and facilitate communications, the workshop will have presentations from program directors followed by a Q&A session.

Participations from minority groups will be particularly encouraged. Through exchanging ideas among program directors and PIs at different career stages, the workshop may shed light on how sustainable partnerships and collaborations among PDs and PIs can be established to strategically promote the progress of computational mechanics and engineering and to seize opportunities in new emerging fields.