

Department of Chemical and Biomedical Engineering Cleveland State University Spring 2017 Seminar Series

The Thomas Bell Lectureship

Thursday, April 13th at 3:00PM
Science Research Building 151

Biomimetic Colloidal Self-Assembly: Toward Artificial Muscles and Structural Color

Michael Solomon, PhD

Departments of Chemical Engineering and Macromolecular Science & Engineering
University of Michigan



The inaugural Bell Lecture will be given by Michael Solomon, Professor of Chemical Engineering and Macromolecular Science and Engineering at the University of Michigan. Prior to joining Michigan, Mike was a post-doctoral research fellow at the University of Melbourne, Australia. He received his B.S. in chemical engineering and economics from the University of Wisconsin at Madison in 1990 and his Ph.D. in chemical engineering from the University of California at Berkeley in 1996. Professor Solomon's research is in the area of Complex Fluids, which are soft materials that have micro- or nanoscale structure. His group pioneered microscopy techniques leading to profoundly new understanding of these materials, especially for complex fluids consisting of particulates with new symmetries and functions. Professor Solomon was recently elected fellow of the American Association for the Advancement of Science (AAAS) for his work.

The Thomas Bell Lectureship was formed in honor of former CSU Chemical Engineering faculty member, Dr. Donald J. Harvey. The lectureship is the result of a generous donation from CSU Alumnus Thomas Bell (BChE '74).

All seminars 3:00 – 4:00PM in Fenn Hall 103 unless otherwise noted.



January 26th: **Utilizing concepts of mechanics, transport, and assembly in Nature – towards responsive materials via fibrous architectures**

LaShanda Korley, PhD
Macromolecular Science and Engineering Department
Case Western Reserve University



February 16th: **Optical Properties of Single-Walled Carbon Nanotubes: Applications in Biology and Medicine**

Bruce Weisman, PhD
Chemistry Department
Rice University



March 9th: **Nanomaterials for Next Generation Applications: How Carbon Nanomaterials Can Shape Energy and Separation Applications**

Reginald Rogers, PhD
Chemical Engineering Department
Rochester Institute of Technology



March 23rd: **Lipid Interfaces in Drug Delivery and Infectious Diseases**

Amir Farnoud, PhD
Chemical and Biomolecular Engineering Department
Ohio University



April 6th: **Exploring Tissue Engineering, Electrochemical Technology and Industrial Postdoctoral Experiences: A Perspective on a Multidisciplinary Engineering Career**

Julie Renner, PhD
Chemical and Biomolecular Engineering Department
Case Western Reserve University



April 13th – Bell Lecture: **Biomimetic colloidal self-assembly: toward artificial muscles and structural color** (Science Research 151)

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University of Michigan



April 20th: **2D Janus Nanosheets: Asymmetrically Functionalized Graphene Oxide and its Assemblies**

Emily Pentzer, PhD
Chemistry Department
Case Western Reserve University

HV

x: 6.3311 mm

20.00 kV

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