

# 2016

14<sup>TH</sup> ANNUAL

## Center for Nanoscale Science and Technology NANOTECHNOLOGY WORKSHOP



**STUDENTS!**  
MONETARY PRIZES WILL BE  
AWARDED TO POSTER WINNERS!

**nano@illinois**

*nano solutions for mega problems*

**May 5-6, 2016**

CNST NANOTECHNOLOGY WORKSHOP

3002 Electrical And Computer Engineering Building, 306 N. Wright St., Urbana, IL  
UNIVERSITY OF ILLINOIS AT URBANA - CHAMPAIGN

Highlighting cross-campus and industry collaborations in:

- bionanotechnology and nanomedicine
- nanoelectronics and nanophotonics
- nanomaterials and nanomanufacturing

Featuring:

- Plenary Session
- Panel Discussion
- Technical Talks
- Keynote Addresses
- Poster Sessions
- Lab Tours and One-on-One Meetings
- UI Faculty and Student Presentations

Speakers include: Seth Darling (Argonne); Nick Fang (MIT); Patrick Fay (Notre Dame); and Ilesanmi Adesida, Irfan Ahmad, Andreas Cangellaris, Qian Chen, Brian Cunningham, Andrew Gewirth, Cecilia Leal, Xiuling Li, Logan Liu, Mohamed Mohamed, Klara Nahrstedt, Andre Schleife, Arend van der Zande, and Yurii Vlasov (University of Illinois)

### Organizing Committee

**Irfan Ahmad**, CNST/Agricultural and Biological Engineering,  
Co-Chair

**Brian Cunningham**, Bioengineering/  
Electrical and Computer Engineering, Co-Chair

**Rashid Bashir**, Bioengineering/Electrical and Computer Engineering

**Can Bayram**, Electrical and Computer Engineering

**J. Gary Eden**, Electrical and Computer Engineering

**Kris Kilian**, Materials Science and Engineering

**Carrie Kouadio**, CNST/EBICS

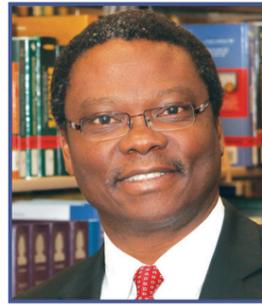
**Greg Pluta**, Micro and Nanotechnology Lab

**Andrew Smith**, Bioengineering

**Nahil Sobh**, nanoBIO Node

**Arend van der Zande**, Mechanical Science and Engineering

### Keynote Speakers



#### DR. SAMUEL ACHILEFU

Michel M. Ter-Pogossian  
Endowed Chair in Radiology  
Mallinckrodt Institute of Radiology  
Washington University School of Medicine



#### DR. MANIJEH RAZEGHI

Walter P. Murphy Professor and  
Director, Center for Quantum Devices  
Department of Electrical Engineering  
and Computer Science  
Northwestern University

**DETAILS AND REGISTRATION: [nano.illinois.edu/nanoworkshop2016](http://nano.illinois.edu/nanoworkshop2016)**

### Sponsored by

- Center for Nanoscale Science and Technology (CNST)
- NSF Integrative Graduate Education and Research Traineeship (IGERT) in Cellular and Molecular Mechanics and BioNanotechnology (CMMB)
- NIH/NCI Midwest Cancer Nanotechnology Training Center (M-CNTC)
- Emergent Behaviors of Integrated Cellular Systems (EBICS)

### CO-SPONSORS:

- Beckman Institute for Advanced Science and Technology
- Coordinated Science Laboratory (CSL)
- Carl R. Woese Institute for Genomic Biology (IGB)
- Electrical and Computer Engineering (ECE)
- Micro and Nanotechnology Laboratory (MNLT)
- nanoBIO Node
- nano@illinois Research Experiences for Teachers (RET)
- nano@illinois Research Experiences for Undergraduates (REU)
- Nanoscale Science and Technology Resources for Community Teaching (NanoSTRUCT)
- National Center for Supercomputing Applications (NCSA)



**IGERT** Cellular and Molecular Mechanics and BioNanotechnology

**M-CNTC** Midwest Cancer Nanotechnology Training Center

**CNST University of Illinois Center for Nanoscale Science and Technology**



**ILLINOIS**  
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Presented to

**MANIJEH RAZEGHI**

In Appreciation of the Keynote Lecture

*"The Wonder of Nanotechnology"*

at the

**CNST 14th Annual Nanotechnology Workshop**

**May 5-6, 2016**

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