



NSEF Reception and Programming Meeting

November 11, 2009



Agenda

- Awards
- 2009 Annual Meeting Update
- Plans for 2010
- Announcements
- Sponsors

You are here: [NSEF Home](#) > [About](#) > Leadership

2009 Leadership

Chair	Mike Wong	Rice University
Vice Chair	Mary Ellen Ternes	McAfee & Taft
Past Chair	Bill Grieco	Alkermes
Sec/Treasurer	Kirk Ziegler	University of Florida
Dir Membership	Bert Diemer	DuPont
Dir Technology	Kurt Rindfusz	ERG
Programming Chair	Venkat Bhethanabotla	University of Florida
At-large Members	Two Open Positions	

Did you know? NSEF started in 2002

Web site = <http://www.aiche.org/NANO/About/2009Leadership.aspx>

About

▶ Overview

▶ Join

▶ Member Benefits

▶ Mission & Goals

▶ Leadership

- 2008
- 2007
- 2006
- 2005
- Past Leadership

▶ Past Plenary Speakers

▶ Awards

NSEF Awards

- Poster Awards (chosen from last night, Nov. 10, 2009)
- Forum Award – *not awarded in 2009*
- Young Investigator Award – *not awarded in 2009*

2010 Awards Descriptions

- NSEF Forum Award

Recognizes outstanding contributions to the advancement of nanoscale science and engineering in the field of Chemical Engineering through scholarship, education or service

2008: Meyya Meyyappan, NASA
2007: Peter Cummings, Vanderbilt
2006: Ronald Andres, Purdue
2005: Mihail Roco, NSF

- NSEF Young Investigator Award

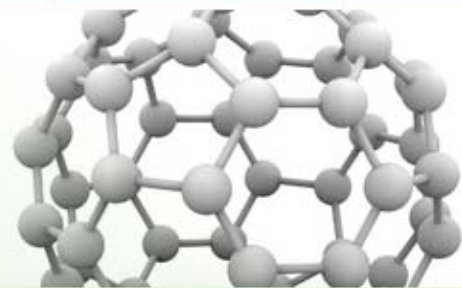
Recognizes outstanding interdisciplinary research in nanoscience and nanotechnology by engineers or scientists in the early stages of their professional careers (within 10 years of completion of highest degree)

2008: Ravi Kane, RPI
2007: Joerg Lahann, UMichigan
2006: Michael Wong, Rice U.
2005: Michael Strano, UIUC

To be chosen by a “blue-ribbon” awards committee



Developing and Applying Nanotechnologies.



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NSEF Calendar

November 11, 2009
NSEF Program Meeting and Reception
Presidential Chamber A

November 8-13, 2009
AIChE Annual Meeting
Nashville, TN

NSEF Officers

Welcome to the Nanoscale Science & Engineering Forum

NSEF provides a forum for communication and networking among engineers and scientists who share interests in research and technology development at the atomic, molecular or macromolecular levels.

Division Chair: Michael Wong
Division Vice-Chair: Mary Ellen Ternes
AIChE Staff Liaison: Jonathan Monk



Career & Networking
Advance your career and network with like-minded scientists and engineers.



Publications
NSEF membership provides a subscription to our quarterly e-news letter, Nano News.



Forum
NSEF provides a forum for communication and networking among engineers and scientists who share your interests.

What's New

NSEF Events at the Annual Meeting
Click the link above to see the exciting NSEF events.

NSEF Awards
Each year NSEF presents NSEF's Forum Award and NSEF's Young Investigator Award at AIChE's Annual Meeting. Award nomination deadline extended to June 15, 2009.

ANNUAL MEETING Technical Programming Information

Upcoming Deadlines

<http://www.aiche.org/Nano/index.aspx>

2009 NSEF Programming

- 38 sponsored sessions
 - 22a: “Carbon Nanotubes” sub-area
 - 22b: “Bionanotechnology” sub-area
 - 22c: “Nanowires” sub-area
 - Poster session
 - Plenary session (“Chemical Engineering Principles for Nanotechnology”)
- 10 co-sponsored sessions

- Topical conference on “Nanomaterials for Energy Applications” (T5)
 - Sessions on M., Th. & Fri.

- NSEF Programming Committee
 - Director of Programming (Venkat Bhethanabotla)
 - Carbon Nanotubes Programming Chairs (Michael Strano, Virginia A. Davis)
 - Bionanotechnology Programming Chairs (Zach Hilt, Samir Mitragotri, Efrosini Kokkoli)
 - Nanowires Programming Chairs (Mahendra Sunkara)

8:30 AM-11:00 AM

Nanoscale Science and Engineering Forum

(#503) - 22003 Carbon Nanotubes I: Synthesis

Nanoscale Science and Engineering Forum

(#519) - 22035 Magnetic Nanoparticles in Biotechnology and Biomedicine I

Nanoscale Science and Engineering Forum

(#526) - 22042 Nanotechnology for Biotechnology and Pharmaceuticals I

Nanoscale Science and Engineering Forum

(#527) - 22018 Nanowires A: Synthesis, Modeling and Applications

12:30 PM-3:00 PM

Nanoscale Science and Engineering Forum

(#551) - 22004 Carbon Nanotubes II: Characterization, Functionalization, and Applications

Nanoscale Science and Engineering Forum

(#566) - 22036 Magnetic Nanoparticles in Biotechnology and Biomedicine II

Nanoscale Science and Engineering Forum

(#575) - 22008 Nanoelectronic Materials I

Nanoscale Science and Engineering Forum

(#577) - 22043 Nanotechnology for Biotechnology and Pharmaceuticals II

Nanoscale Science and Engineering Forum

(#578) - 22050 Nanowires B: Nanowires and Their Composites for Sensing, Energy Conversion and Energy Storage

Nanoscale Science and Engineering Forum

(#588) - 22020 Templated Assembly of Inorganic Nanomaterials I

3:15 PM-5:45 PM

Nanoscale Science and Engineering Forum

(#604) - 22005 Carbon Nanotubes III: Adsorption and Transport

Nanoscale Science and Engineering Forum

(#619) - 22B00 Magnetic Nanoparticles in Biotechnology and Biomedicine III

Nanoscale Science and Engineering Forum

(#622) - 22009 Nanoelectronic Materials II

Nanoscale Science and Engineering Forum

(#624) - 22034 Nanostructured Biomimetic and Biohybrid Materials and Devices

Nanoscale Science and Engineering Forum

(#633) - 22010 Sensors and Bio-Imaging Contrast Agents at the Cellular Level

Nanoscale Science and Engineering Forum

(#637) - 22051 Templated Assembly of Inorganic Nanomaterials II

Friday, November 13, 2009

[Monday](#) | [Tuesday](#) | [Wednesday](#) | [Thursday](#) | [Friday](#) | [top](#)

8:30 AM-11:00 AM

Nanoscale Science and Engineering Forum

(#648) - [22006 Carbon Nanotubes IV](#)

Nanoscale Science and Engineering Forum

(#667) - [22039 Nanoscale Structure in Polymers II: Nanostructured Polymeric Materials](#)

12:30 PM-3:00 PM

Nanoscale Science and Engineering Forum

(#688) - [22007 Carbon Nanotubes V: Adsorption and Transport](#)

Nanoscale Science and Engineering Forum

(#702) - [T5005 Nanomaterials for Energy Production and Fuel Cells II](#)

Nanoscale Science and Engineering Forum

(#703) - [22040 Nanoscale Structure in Polymers III: Polymer Nanocomposites](#)

Nanoscale Science and Engineering Forum

(#704) - [22012 Nanostructured Scaffolds for Tissue Engineering](#)

Nanoscale Science and Engineering Forum

(#706) - [22016 Nanotechnology for In Vivo and in Vitro Imaging](#)

Nanoscale Science and Engineering Forum

(#711) - [22021 Self-Assembled Biomaterials II](#)

NSEF Officers: 2009 2010 2011

	2009	2010	2011
Chair	Michael Wong (Rice University)	Michael Wong (Rice University)	
Vice Chair	Mary Ellen Ternes (McAfee & Taft)	Mary Ellen Ternes (McAfee & Taft)	
Past Chair	Bill Grieco (PetroAlgae)	Bill Grieco (PetroAlgae)	
Secretary-Treasurer	Kirk Ziegler (U. Florida)	Kirk Ziegler (U. Florida)	?
Director of Membership	Bert Diemer (DuPont)	Bert Diemer (DuPont)	?
Director of Technology	Kurt Rindfusz (ERG)	Kurt Rindfusz (ERG)	?
Director of Programming	Venkat Bhethanabotla (U. South Florida)	Venkat Bhethanabotla (U. South Florida)	?
At-large Member	<i>none</i>	<i>to be announced</i>	→
At-large Member	<i>none</i>	<i>to be announced</i>	→

Several Positions Open in 2011

Elections to be held in
2010 for:

Vice chair

Secretary-treasurer

Appointments to be made
in 2010 for:

Director of Membership

Director of Technology

Director of Programming

*Email nano@aiche.org to express interest
Wait for email announcements*

NSEF at 2010 Spring Meeting

- Grand Hyatt, San Antonio, TX
- March 21-25, 2010

- NSEF will be co-sponsoring one session with Environmental Division (Group 6) on "Environmental Aspects of Nanomaterials"
 - If you plan to present at this meeting, upload your abstract through the Environmental Division
 - The deadline is December ~1, 2009

NSEF at 2010 Fall Meeting

- Salt Palace Convention Center
- Salt Lake City, Utah
- November 7-12, 2010

- **Deadline** for submitting technical sessions and Topical Conferences (+ session chairs) is **December 10, 2010**

Tentative NSEF Program for 2010 Annual Meeting

- NSEF will copy all session titles + chairs into 2010 schedule
- NSEF will gauge 2009 session chairs for their interest to chair again
 - Outcomes are: session is cancelled; session is kept for 2010; session is modified; or sessions are combined
 - New or additional session (co)chairs may be needed
- A theme of 2010 Annual Meeting = energy and water sustainability
 - Topical on “Nanotechnology, Energy and the Environment?”
 - Another “Nanomaterials for Energy Applications” Topical?
 - Technical sessions on “Nanotechnology and Water?”
 - ???

How Can Members Participate?

- Suggest new technical sessions
 - Include names of chair/co-chair
 - Related to energy and water sustainability theme
- Suggest sessions from other Divisions/Forums with which NSEF can co-sponsor
 - Means that the co-chair should be part of NSEF
- Consider new topics in sub-areas of carbon nanotubes, bionanotechnology, or nanowires
- Volunteer as chair/co-chair for existing sessions

~Who to Contact about NSEF Sessions at 2010 Fall Meeting?

- Director of Programming
 - Venkat Bhethanabotla (bhethana@eng.usf.edu)
- Programming Chairs for Carbon Nanotubes sub-area
 - Michael S. Strano (strano@mit.edu)
- Programming Chairs for Bionanotechnology sub-area
 - J. Zach Hilt (hilt@engr.uky.edu)
 - Samir Mitragotri (samir@engineering.ucsb.edu)
 - Efrosini Kokkoli (kokkoli@cems.umn.edu)
- Programming Chairs for Nanowires sub-area
 - Mahendra Sunkara (mahendra@louisville.edu)

Several Objectives for NSEF

- Strengthen links to other Divisions/Forums
 - Having co-sponsored session(s) also helps reduce number of similar-sounding sessions
- Increase awareness of environmental and regulatory issues of nanotechnology
 - Environmental Health and Safety (EHS) of nano-based products
 - Especially useful for AIChE members in industry, government, NGO's, law firms, etc.
 - Connect with International Council on Nanotechnology?
 - Post news releases on NSEF web site
 - Develop programming and webinars? Increase presence at Spring Meetings?
- Support any student-led initiatives and activities, e.g., technical sessions?

FYI – 2011 Meetings



- Spring National Meeting
 - Chicago Hyatt, Chicago, IL
 - March 13-17, 2011
- Annual Meeting
 - Minneapolis Convention Center, Minneapolis, MN
 - October 16-21, 2011

Thank you to all our sponsors over the years
and to AIChE staff (esp. Jonathan Monk)