



229TH ACS NATIONAL MEETING | SAN DIEGO, CA

SPOTLIGHT ON NANO

Your Guide to Nanoscience and Nanotech-Related Programming
at the San Diego National Meeting

Small is not the way to describe the ACS focus on Nano in San Diego.

Eleven technical divisions have combined their efforts to produce over 80 sessions that examine Nano from a remarkably broad and varied perspective. From the environment to sensors, from polymer surfaces to biological materials – you'll learn about nano's implications for all these and more at the ACS national meeting in San Diego.

To obtain additional details on any of the listed sessions – such as paper titles and authors – please consult the sponsoring division's listings which can be found elsewhere in the program. Or, search on-line by visiting <http://oasys2.confex.com/acs/229nm/techprogram>.

NanoLetters (<http://pubs.acs.org/NanoLett>), edited by A. Paul Alivisatos and *Chemical & Engineering News' NanoFocus* (<http://pubs.acs.org/cen/nanofocus>) are two other great sources of information for nano researchers.

SESSION TITLE	DIVISION	TIME	LOCATION	ROOM
SUNDAY, MARCH 13, 2005				
Dynamics and Conductivity of Nanoparticles and their Assemblies	PHYS	8:20 a.m. – 11:40 a.m.	Convention Center	14A
Biosensors and Sensors: Nanostructures	ANYL	8:30 a.m. – 11:50 a.m.	Convention Center	29A
Biological and Synthetic Macromolecules for Emerging Nanotechnologies	POLY	8:30 a.m. – 12:00 p.m.	San Diego Marriott	Marriott Hall 5
Nanoscience: Synthesis	INOR	8:30 a.m. – 12:10 p.m.	Convention Center	1B
Novel Directions in Photonics: Nanophotonics and Biophotonics	PHYS	8:30 a.m. – 12:10 p.m.	Convention Center	15A
Carbon Nanotubes, Polymers, and Complex Fluids	POLY	9:00 a.m. – 12:20 p.m.	San Diego Marriott	Marriott Hall 6
Chemistry of Carbon Materials and Nano-Materials	FUEL	9:00 a.m. – 11:40 a.m.	Hyatt Regency	Madeleine A-B
Nanotechnology and the Environment	I&EC	9:00 a.m. – 11:35 a.m.	Hyatt Regency	Del Mar A-B
Nanotechnology and the Environment	I&EC	12:45 p.m. – 4:05 p.m.	Hyatt Regency	Del Mar A-B
Chemistry of Carbon Materials and Nano-Materials	FUEL	1:00 p.m. – 4:40 p.m.	Hyatt Regency	Madeleine A-B
Novel Directions in Photonics: Nanophotonics and Biophotonics	PHYS	1:10 p.m. – 5:10 p.m.	Convention Center	15A
Dynamics and Conductivity of Nanoparticles and their Assemblies	PHYS	1:20 p.m. – 5:00 p.m.	Convention Center	14A
Biological and Synthetic Macromolecules for Emerging Nanotechnologies	POLY	1:30 p.m. – 5:10 p.m.	San Diego Marriott	Marriott Hall 5
Biosensors and Sensors: Nanostructures	ANYL	1:30 p.m. – 5:00 p.m.	Convention Center	29A
Carbon Nanotubes, Polymers, and Complex Fluids	POLY	1:30 p.m. – 5:10 p.m.	San Diego Marriott	Marriott Hall 6
General Papers/New Concepts in Polymeric Materials	PMSE	1:30 p.m. – 5:20 p.m.	San Diego Marriott	Torrey 1-2
Colloid and Surface Chemistry Award Symposium Honoring Paul Alivisatos	COLL	2:00 p.m. – 5:20 p.m.	Convention Center	22
Poster Session	I&EC	8:00 p.m. – 10:00 p.m.	Convention Center	Hall D



SESSION TITLE	DIVISION	TIME	LOCATION	ROOM
MONDAY, MARCH 14, 2005				
Polymer Nanocomposites	PMSE	8:00 a.m. – 11:50 a.m.	San Diego Marriott	Torrey 1-2
Dynamics and Conductivity of Nanoparticles and their Assemblies	PHYS	8:20 a.m. – 12:40 p.m.	Convention Center	14A
Novel Directions in Photonics: Nanophotonics and Biophotonics	PHYS	8:20 a.m. – 11:50 a.m.	Convention Center	15A
Biological and Synthetic Macromolecules for Emerging Nanotechnologies	POLY	8:30 a.m. – 12:00 p.m.	San Diego Marriott	Marriott Hall 5
Carbon Nanotubes, Polymers, and Complex Fluids	POLY	8:30 a.m. – 11:55 a.m.	San Diego Marriott	Marriott Hall 6
Biosensors and Sensors: Nanostructures	ANYL	8:30 a.m. – 11:50 a.m.	Convention Center	29A
Chemistry of Carbon Materials and Nano-Materials	FUEL	8:30 a.m. – 11:50 a.m.	Hyatt Regency	Madeleine A-B
Colloid and Surface Chemistry Award Symposium Honoring Paul Alivisatos	COLL	8:30 a.m. – 11:50 a.m.	Convention Center	22
Multifunctional Nanocarbon Materials for Active Electronics and Nanosystems <i>(sponsored by Advanced Materials & Nanotechnology Subdivision)</i>	I&EC	8:30 a.m. – 11:25 a.m.	Hyatt Regency	Ford A
Nanotechnology and the Environment	I&EC	8:30 a.m. – 11:10 a.m.	Hyatt Regency	Del Mar B
Chemistry of Carbon Materials and Nano-Materials	FUEL	1:00 p.m. – 5:20 p.m.	Hyatt Regency	Madeleine A-B
Dynamics and Conductivity of Nanoparticles and their Assemblies	PHYS	1:20 p.m. – 5:20 p.m.	Convention Center	14A
Nanotechnology: Is Little Stuff Such a Big Deal?	CHAS	1:30 p.m. – 5:05 p.m.	San Diego Marriott	Columbia 1
Biological and Synthetic Macromolecules for Emerging Nanotechnologies	POLY	1:30 p.m. – 5:00 p.m.	San Diego Marriott	Marriott Hall 5
Biosensors and Sensors: Nanostructures	ANYL	1:30 p.m. – 4:50 p.m.	Convention Center	Room 29A
Carbon Nanotubes, Polymers, and Complex Fluids	POLY	1:30 p.m. – 5:05 p.m.	San Diego Marriott	Marriott Hall 6
Nanotechnology and the Environment	I&EC	1:30 p.m. – 3:50 p.m.	Hyatt Regency	Ford A
Nanotechnology: Is Little Stuff Such a Big Deal?	CHAS	1:30 p.m. – 5:05 p.m.	San Diego Marriott	Columbia 1
Polymer Nanocomposites	PMSE	1:30 p.m. – 4:50 p.m.	San Diego Marriott	Torrey 1-2
Nanotechnology and the Environment	I&EC	4:00 p.m. – 5:30 p.m.	Hyatt Regency	Ford A
Nucleation and Growth of Nanostructured Materials	COLL	6:00 p.m. – 8:00 p.m.	Convention Center	Hall D
Surface Chemistry of Carbonaceous Materials	COLL	6:00 p.m. – 8:00 p.m.	Convention Center	Hall D

Continued on next page



SPOTLIGHT ON NANO

Continued from previous page

SESSION TITLE	DIVISION	TIME	LOCATION	ROOM
TUESDAY, MARCH 15, 2005				
Nanotechnology and the Environment	I&EC	8:15 a.m. – 12:30 p.m.	Hyatt Regency	Del Mar A
ACS Nobel Laureate Signature Award Symposium: Spectroscopy at the Nanoscale	ANYL	8:30 a.m. – 12:30 p.m.	Convention Center	29B
Biological and Synthetic Macromolecules for Emerging Nanotechnologies	POLY	8:30 a.m. – 12:00 p.m.	San Diego Marriott	Marriott Hall 5
Charge Transfer at Interfaces	COLL	8:30 a.m. – 11:50 a.m.	Convention Center	24A
Colloid and Surface Chemistry Award Symposium Honoring Paul Alivisatos	COLL	8:30 a.m. – 11:55 a.m.	Convention Center	22
Polymer Nanocomposites	PMSE	8:30 a.m. – 11:50 a.m.	San Diego Marriott	Torrey 1-2
Biological and Synthetic Macromolecules for Emerging Nanotechnologies	POLY	1:30 p.m. – 5:00 p.m.	San Diego Marriott	Marriott Hall 5
Nanotechnology and the Environment	I&EC	1:30 p.m. – 4:00 p.m.	Hyatt Regency	Del Mar A
Polymer Nanocomposites	PMSE	1:30 p.m. – 4:50 p.m.	San Diego Marriott	Torrey 1-2
Charge Transfer at Interfaces	COLL	2:00 p.m. – 5:40 p.m.	Convention Center	24A
Nucleation and Growth of Nanostructured Materials	COLL	2:00 p.m. – 5:40 p.m.	Convention Center	24B
Biological and Synthetic Macromolecules for Emerging Nanotechnologies	POLY	6:00 p.m. – 8:00 p.m.	Convention Center	Sails Pavilion
Carbon Nanotubes, Polymers, and Complex Fluids	POLY	6:00 p.m. – 8:00 p.m.	Convention Center	Sails Pavilion
WEDNESDAY, MARCH 16, 2005				
Polymer Nanocomposites	PMSE	8:00 a.m. – 12:20 p.m.	San Diego Marriott	Torrey 1-2
Biophysical Aspects of Protein and Peptide Aggregation: Experiment and Theory	PHYS	8:20 a.m. – 11:40 a.m.	Convention Center	Ballroom 20C
Dynamics and Conductivity of Nanoparticles and their Assemblies	PHYS	8:20 a.m. – 11:40 a.m.	Convention Center	14A
Novel Directions in Photonics: Nanophotonics and Biophotonics	PHYS	8:20 a.m. – 12:10 p.m.	Convention Center	15A
ACS Nobel Laureate Signature Award Symposium: Spectroscopy at the Nanoscale	ANYL	8:30 a.m. – 12:30 p.m.	Convention Center	29A
Biological and Synthetic Macromolecules for Emerging Nanotechnologies	POLY	8:30 a.m. – 12:10 p.m.	San Diego Marriott	Marriott Hall 1
Nanoscience: Applications	INOR	8:30 a.m. – 12:10 p.m.	Convention Center	6F
Nanotechnology and the Environment	I&EC	8:30 a.m. – 11:10 a.m.	Hyatt Regency	Del Mar A
Nucleation and Growth of Nanostructured Materials	COLL	8:30 a.m. – 12:15 p.m.	Convention Center	22
Reaction, Modification, and/or Deposition at Surfaces	COLL	8:30 a.m. – 11:50 a.m.	Convention Center	23A-B
Bionanotechnology – The Interface Between Biology and Polymer Science	PMSE	1:00 p.m. – 5:15 p.m.	San Diego Marriott	Manchester 1
Dynamics and Conductivity of Nanoparticles and their Assemblies	PHYS	1:20 p.m. – 4:40 p.m.	Convention Center	14A
Nanotechnology and its Application in Food and Agricultural Systems	AGFD	1:30 p.m. – 4:20 p.m.	Horton Grand	Regal B
Nanotechnology and the Environment	I&EC	1:30 p.m. – 4:10 p.m.	Hyatt Regency	Del Mar A
Novel Directions in Photonics: Nanophotonics and Biophotonics	PHYS	1:30 p.m. – 5:00 p.m.	Convention Center	15A
Nanocomposites	CELL	1:55 p.m. – 4:00 p.m.	Convention Center	32B
Nucleation and Growth of Nanostructured Materials	COLL	2:00 p.m. – 5:30 p.m.	Convention Center	22
Surface Chemistry of Carbonaceous Materials	COLL	2:00 p.m. – 5:40 p.m.	Convention Center	23C
THURSDAY, MARCH 17, 2005				
Dynamics and Conductivity of Nanoparticles and their Assemblies	PHYS	8:20 a.m. – 11:40 a.m.	Convention Center	14A
Novel Directions in Photonics: Nanophotonics and Biophotonics	PHYS	8:20 a.m. – 12:00 p.m.	Convention Center	15A
Nanotechnology and its Application in Food and Agricultural Systems	AGFD	8:30 a.m. – 11:20 a.m.	Horton Grand	Regal B
Nanotechnology and the Environment	I&EC	8:30 a.m. – 12:15 p.m.	Hyatt Regency	Del Mar A
Nucleation and Growth of Nanostructured Materials	COLL	8:30 a.m. – 11:50 a.m.	Convention Center	22
Nanocomposites	CELL	8:55 a.m. – 11:30 a.m.	Convention Center	32A
Nanocomposites	CELL	12:55 p.m. – 3:30 p.m.	Convention Center	32A
General Papers/New Concepts in Polymeric Materials	PMSE	1:00 p.m. – 5:10 p.m.	San Diego Marriott	Torrey 3
Dynamics and Conductivity of Nanoparticles and their Assemblies	PHYS	1:20 p.m. – 4:20 p.m.	Convention Center	14A
Bionanotechnology – The Interface Between Biology and Polymer Science	PMSE	1:30 p.m. – 5:00 p.m.	San Diego Marriott	Manchester 1
Nanotechnology and the Environment	I&EC	1:30 p.m. – 3:30 p.m.	Hyatt Regency	Del Mar A
Polymer Surfaces and Interfaces	POLY	1:30 p.m. – 5:00 p.m.	San Diego Marriott	Marriott Hall 4
Surface Chemistry of Carbonaceous Materials	COLL	2:00 p.m. – 4:35 p.m.	Convention Center	23C