Four symposia. One event. One registration.

One registration gives you access to 4,500 attendees, 2,800 papers on the latest research in optics and emerging technologies, technical and networking events, an important industry exhibition, a job fair, training, and more.

Join your peers in San Diego, California, this August for SPIE Optics + Photonics, largest international, multidisciplinary optical sciences and technology meeting in North America.

Register Today
spie.org/nano2012

Get the entire program on your iPhone or Android

2012 NanoScience + Engineering
SPIE Optics + Photonics

Register Today
spie.org/nano2012

Hear latest research on optical trapping, metamaterials, plasmonics, CNTs, graphene, thin films, spintronics, nanoengineering

2012 Optics + Photonics 12–16 August 2012
San Diego Convention Center, San Diego, California, USA

Nanoscience + Engineering
300+ papers - metamaterials, plasmonics, CNTs, graphene, thin films, spintronics, nanoengineering

Organic Photonics + Electronics
300+ papers - OLEDs, OTFTs, OPVs, liquid crystals, organic materials, large-scale fabrication, organic semiconductors

Solar Energy + Technology
200+ papers - thin films, concentrators, reliability, next-generation cell technologies, materials processing

Optical Engineering + Applications
1500+ papers - optical engineering, lens design, metrology, x-ray, SSL, photonic devices, atmospheric and space optics

2012
Register Today
spie.org/nano2012

NanoScience + Engineering
SPE Optics + Photonics

Attend the largest international multidisciplinary technical conference in North America

spie.org/nano2012

San Diego Convention Center, San Diego, California, USA

2012
Register Today
spie.org/nano2012

Hear latest research on optical trapping, metamaterials, plasmonics, CNTs, graphene, thin films, spintronics, nanoengineering

Conference
12–16 August 2012
San Diego Convention Center, San Diego, California, USA

Exhibition
14–16 August 2012
San Diego Convention Center, San Diego, California, USA

spie.org/nano2012

Technologies
- Metamaterials
- Plasmonics
- Photonic and Nanophotonic Materials
- CNTs/Graphene
- Biosensing
- Spintronics
- Nanoelectropy
- Optical Trapping
- Nano Thin Films
- Standards/Metrology
- Nanosystems
- NOMS
- Nanoengineering
Don't miss these world-class speakers presenting the latest research and promising breakthroughs.

**Symposium-wide Plenary Session**

- **The Exciting Science of Light with Metamaterials**
  Vladimir M. Shalaev, Purdue Univ. (USA)

- **Future of Optics and Photonics**
  Bahar E. A. Saleh, CREOL, The Univ. of Optics and Photonics at the Univ. of Central Florida (USA)

**NanoScience + Engineering Plenary Session**

- **The Light and Sound Fantastic: Radiation Pressure at the Nanoscale**
  Oskar Painter, California Institute of Technology (United States)

- **Organics and Nanostructures for Nonlinear Optics**
  Nasser Peyghambarian, College of Optical Sciences, The Univ. of Arizona (United States)

- **From Nanophotonics, to Metaphotonics, to Dynamic Photonics: Controlling Light Propagation and Light-Matter Interactions for Emerging Technologies**
  Paras Prasad, Univ. at Buffalo (United States)

- **Global Activities in Novel-Nano Magnetic Materials for Magnetic, Optoelectronics Applications**
  Misoon Mah, Asian Office of Aerospace Development (Japan)

**240-Company Exhibition**

Walk the floor and find 240 companies poised to help you find the right optical devices, components, materials, or technology for your research/company.

**Technologies you will see:**
- Optical components
- Detectors, sensors, and cameras
- Lasers and accessories
- Computer hardware and software
- Imaging equipment
- Test and analysis equipment
- Optical fabrication and design
- Materials and chemicals
- Lasers
- Fiber optics
- Electronics and signal analysis equipment
- Displays
- Positioning systems
- Vibration isolation equipment

**Courses and Workshops**

The 2012 program features 39 courses and workshops on optical engineering and focused topics including image processing, illumination, solar, nanotechnology, and remote sensing. SPIE Student Members receive 50% off course registration prices.

**Special Events**

Connect with your peers at a variety of technical and networking events: poster sessions, panel discussions, workshops, Welcome and Member Receptions, Student and Early Career Professional Events, and more.

**Job Fair**

Sponsored by SPIE Career Center

Whether you’re looking for a better job, re-entering the workforce or just starting out, plan to visit the Job Fair at SPIE Optics + Photonics. Come prepared to discuss your skills and talents with our industry leaders.

**Attend**

SPIE NanoScience + Engineering, the largest nano-technology conference of its kind.

Hear the latest research—more than 800 papers on metamaterials, plasmonics, carbon nanotubes, optical trapping, graphene, spintronics, nano-solar hydrogen, nano thin films, nanomaterials, nanoelectronics, and nanobiosensing research. Explore all of the presentations online at spie.org/nano2012

We look forward to seeing you.

**Register Today · spie.org/nano2012**

Conferences and Courses: 12–16 August 2012 | Exhibition: 14–16 August 2012
San Diego Convention Center | San Diego, California, USA