

# The International Conference on Nanophotonics 2010

## Topics

### Conference topics

#### Nanophotonic material for bio/energy/environment

- Bio-molecular architecture
- Organic/inorganic solar cell
- Green nano-particle/composite
- Photo-catalysis physics/chemistry
- Nano-particle-assisted imaging
- Lab-on-a-chip photonics
- Nano-imaging/sensing
- Nano-material for lighting/display

#### Nanophotonic structure for information technology

- Near-field optics
- Surface plasmonics, optical nano-antenna
- Photonic crystal, silicon photonics
- Negative index material
- Quantum dot, nano-whisker
- Non-linear optics in nano-structure
- Integrated nano-device/circuit
- THz nano-photonics

#### Fabrication/characterization for nanophotonics

- Self-assembled growth/deposition
- Photo/chemical synthesis/deposition
- Nano-imprint, etching, deposition
- Laser/ion-beam writing/processing
- Scanning optical microscope-assisted process
- Nano-probe-assisted process/characterization
- Optical nano-manipulation/tool
- Modeling/diagnostics for nano-photonics