

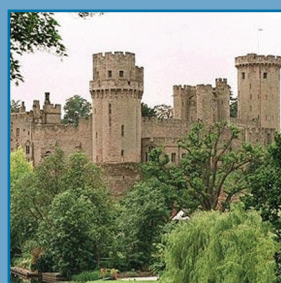
IEEE 12th International Conference on Nanotechnology

IEEE NANO 2012

20–23 August 2012

International Convention Centre, Birmingham, UK

www.ieeenano2012.org



IEEE NANO is the top IEEE annual conference in nanotechnology, and one of the biggest nanotechnology conferences in the world. The conference brings together leading scientists and engineers in nanotechnology to exchange information on their latest research progress. IEEE NANO 2012 features invited speeches from the world renowned scientists and engineering in nanotechnology, including a Nobel Prize Laureate. The conference provides a perfect forum for scientists and engineers of different disciplines to meet and discuss. It is an excellent event for students to experience and a unique venue for companies to promote equipment and technology. All of the conference papers will be included in the IEEE Xplore, and indexed by the Ei Compendex and Thomson ISI (ISTP).

- Nanoelectronics
 - Graphene/CNTs/nanowires
 - Devices: SETs, RTDs, QDs, molecular, etc
 - Nanocircuits/architectures
 - Nanosystem reliability
- Nanomaterials and applications
 - Nanotubes and nanowires
 - Graphene
 - Other nanoparticles
 - Nanomagnetics
 - Nanocomposites
- Nanoenergy
 - Nanotechnology for fuel cells and hydrogen
 - Nanotechnology for photovoltaic devices
 - Nanotechnology for batteries
 - Nanotechnology for energy storage
- Nanofabrication and nanomanufacturing
- Nanobiomedicine
- Nanophotonics and plasmonics
- Quantum computing
- Physics and chemistry of nanostructures
- Nanosensors/actuators
- Nanocharacterization and microscopy
- Simulation and modelling of nanostructures and nanodevices
- Nanofluidics
- Heat Dissipation in Nanocomputing
- Nanorobotics
- Nanopackaging
- Spintronics
- Nanotechnology for industrial applications & commercialization
- Nanotechnology for environment/health/safety (EHS) & standards

Two-page abstract submission: 1 April 2012
Acceptance notification: 25 April 2012
Full-paper submission: 20 June 2012
Submission online: www.ieeenano2012.org
Further information: conferences@iop.org

The confirmed speakers include: Prof. Kostantin Novoselov of Manchester (the 2010 Nobel Laureate in physics); Sir John Pendry of Imperial; and Prof. Z L Wang of Georgia Tech

IEEENANO will be held at The International Convention Centre (The ICC) in Birmingham. Located at the heart of the UK's transport network, it is within quick and easy reach of one of the UK's main international airports, the UK's largest interchange rail station and a motorway network that connects The ICC to every part of the country and beyond. Birmingham is a city of culture and heritage with a dynamic energy that truly offers something for everyone. From royal ballet and international art collections to premiership football and international cricket, world-class theatre to world-class cuisine, the city is a great European destination.

Conference committee: K Jiang (Birmingham/Chair), R E Palmer (Birmingham/Co-chair), Q Guo (Birmingham/Secretary), P Famouri (West Virginia/Programme Chair), S Zhang (Programme co- chair)