



IEEE - 9th International Conference on Inorganic Scintillators and their Applications

Winston-Salem, NC USA

June 4 - 8, 2007



Second Announcement and Call for Abstracts

The IEEE 9th International Conference on Inorganic Scintillators and their Applications will be held June 4-8, 2007 on the campus of Wake Forest University. Scintillator development is important for applications ranging from airport and port security to medical imaging to oil exploration, and for large international experiments in high-energy particle physics and astrophysics. Topics of interest at the meeting include:

- Radiation interaction in luminescent materials
- Excitation transfer and trapping
- Luminescence yield, spectra, quenching, lifetime
- Activated and intrinsic luminescence
- Crystal defects related to scintillation
- Crystal growth and processing
- Nanomaterials related to scintillation and luminescence
- Photodetectors and signal processing
- High-energy physics detectors
- Astrophysics and cosmology applications
- Medical imaging, security screening applications

Beginning in 1992, the SCINT conferences have been held in Chamonix, San Francisco, Delft, Shanghai, Moscow, Chamonix, Valencia, and last in the Crimean city of Alushta. Wake Forest University in Winston-Salem, NC, USA welcomes the next forum on scintillators. The 2007 SCINT conference is being sponsored by IEEE - NPSS.

Abstracts of contributed papers can be submitted now or at any time up to March 7. Visit the SCINT website <http://www.wfu.edu/physics/scint2007/> to download the abstract template and instructions. If you have not already done so, please fill out the online pre-registration form and identify the title of your abstract.

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Information about the conference venue, hotels, proceedings, travel, visa letter, fees, important dates, and companion's program can be found on the SCINT 2007 website at <http://www.wfu.edu/physics/scint2007/>.

An interesting program of **Invited Talks** has been scheduled, to include the following:

- **Lynn Boatner**, *Oak Ridge National Lab, USA*, "Radiation detection materials and systems"
- **Paul Lecoq**, *CERN, Geneva, Switzerland*, "The CMS calorimeter in 2007: performance & physics"
- **Bill Moses**, *Lawrence Berkeley National Lab, USA*, "Scintillator non-proportionality"
- **Ludmila Nagornaya**, *Inst. Single Crystals, Kharkov, Ukraine*, "Crystalline and nanodispersed complex oxides for Nuclear Instruments"
- **Martin Nikl**, *Institute of Physics, Prague, Czech Rep.*, "Scintillator materials – achievements, opportunities and puzzles"
- **Alan Owens**, *European Space Agency, The Netherlands*, "Scintillators in interplanetary space missions"
- **Tony Peurrung**, *Pacific Northwest National Lab, USA*, "Nuclear science for homeland security"
- **Brad Roscoe**, *Schlumberger-Doll Research, USA*, "Scintillators and geophysical exploration"
- **Carel van Eijk**, *Technical University Delft, The Netherlands*, "Scintillators in security"
- **Craig Woody**, *Brookhaven National Lab, USA*, "Scintillators and medical imaging"
- **Xiao-dong Xiang**, *Intematix, Fremont, CA, USA*, "Combinatorial synthesis and scintillator development"
- **Svetlana Zazubovich**, *University of Tartu, Estonia*, "Physics of lead tungstate scintillators"

International Advisory Committee

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Important Dates

Pre-registration	Now
Abstracts due	March 7, 2007
Reduced registration	April 3, 2007
Conference Starts	June 4, 2007

Scientific Organizing Committee

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