



2011 IEEE International Conference on Imaging Systems and Techniques (IST2011)

Batu Ferringhi, Penang, Malaysia

17-18 May 2011

Call for Papers

Abstract due: 21 Feb. 2011

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Full paper due: 10 April 2011

Sponsored by the IEEE Instrumentation and Measurement Society

Organised by IEEE I&M TC-19 Technical Committee

In collaboration with School of Electrical & Electronic Engineering,
Universiti Sains Malaysia (USM)



Following the success of IEEE Workshops on Imaging Systems and Techniques, Stresa, Italy in 2004, Niagara Falls, Canada in 2005, Minori, Italy in 2006, Krakow, Poland in 2007, Chania, Island of Crete, Greece in 2008, Shenzhen, China, in 2009, Thessaloniki, Greece in 2010, the 2011 IEEE Conference on Imaging Systems and Techniques (IST 2011) will take place in Batu Ferringhi, Penang, Malaysia.

IST 2011 deals with the design, development, evaluation and applications of imaging systems, instrumentation, and measuring techniques, to enhance detection and image quality. Applications for aerospace, medicine and biology, molecular imaging, metrology, lidar and lidars, radars, homeland security, and industrial imaging with emphasis on industrial tomography, corrosion imaging, and non-destructive evaluation (NDE) will be covered. The following areas will be particularly considered:

- Detector design principles and image formation
- Imaging system design and instrumentation
- Signal and image analysis
- Linear and non-linear processing techniques
- Medical imaging and bio-nano-photonics
- Environmental monitoring, energy resources
- Molecular imaging and metabolic imaging
- Remote sensing, passive and active sensing
- Ladars, Lidars, and Radars
- Multispectral Polarimetric Imaging and Lasers
- Subsurface inspection, corrosion imaging
- Radiation detection, airport security and cargo Inspection-standoff detection techniques
- Electromagnetic imaging and inverse scattering
- Real-time image and video processing

About Penang in Malaysia

On average more than 20 million tourists (Malaysia population is 27 million) visit Malaysia each year. Known as the "Pearl of the Orient", Penang is one of the most visited states in Malaysia. A description of Penang, as extracted from the website of Tourism Penang, is as follows: "A fascinating fusion of the East and West, Penang embraces modernity while retaining its traditions and old world charm. These are reflected in its harmonious multiracial populace and well-preserved heritage buildings which led to George Town being accorded a listing as a UNESCO World Cultural Heritage Site recently. Long regarded as the food capital of Malaysia, Penang also entices visitors with its beautiful coasts and scrumptious cuisines.". Further information can be found at <http://www.tourismpenang.gov.my/>. If the need arises, an island tour or visit to numerous tourist attractions like the Penang Hill can be arranged with additional costs.

Proceedings will be published and indexed by IEEExplore.

High-quality papers will be published, after peer-review to archival journals.

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