

Welcome to PIERS 2014 Guangzhou, where microwave and lightwave communities meet

It is our great pleasure to invite you to participate in Progress in Electromagnetics Research Symposium (PIERS) 2014 and share the latest findings in the electromagnetic wave spectrum (including microwave and lightwave, and beyond).

This year is a special year because it marks the 150 years of Maxwell's Equations. James Clerk Maxwell presented his important finding to the British Royal Society in 1864. Both microwave and lightwave are governed by the same Maxwell's equations. However, many people in microwave rarely read papers in optics journals and "reinvented the wheel" from time to time, while many other people in optics rarely read papers in microwave journals and keep "reinventing the wheel". It is therefore very worthwhile to encourage the microwave community and the lightwave community to meet and talk (or listen) to each other in a conference. PIERS 2014 is a great event as a Family Reunion of Electromagnetic Waves, where microwave and lightwave communities meet.

PIERS 2013 Stockholm was a great success with 1,650 paper submissions and 1,135 registered/paid participants from 67 countries and many top-notch keynote/invited speakers of the areas. PIERS 2014 Guangzhou is setting a new record with over 2,000 paper submissions.

Like PIERS 2013 Stockholm, this year's conference will feature the following five tracks:

SC 1. Computational Electromagnetics, Electromagnetic Compatibility, Scattering and Electromagnetic Theory;

SC 2. Metamaterials, Plasmonics and Complex Media;

SC 3. Optics and Photonics;

SC 4. Antennas and Microwave Technologies;

SC 5. Remote Sensing, Inverse Problems, Imaging, Radar and Sensing.

PIERS 2014 Guangzhou features a full suite of plenary, keynote, invited, and contributed talks given by international academic and industrial researchers who are leaders in their respective fields.

The plenary Session is scheduled on the morning of Monday, August 24, with five outstanding speakers. Prof. Sir John Pendry (Imperial College London, UK) will give a plenary talk on metamaterials. Prof. David Miller of Stanford University will discuss low-energy integrated photonics for information processing. Prof. Akira Ishimaru (University of Washington, Seattle, USA) will talk about "Statistical Electromagnetic Theories Applied to Imaging in Geophysical and Biological Random Media". Prof. Federico Capasso of Harvard University will give a plenary talk "Flat Optics Based on Metasurfaces: Molding Wavefronts and Surface Waves". Prof. Lihong Wang (Washington University in St. Louis, USA) will give a presentation entitled "Photoacoustic Tomography: Ultrasonically Beating Optical Diffusion and Diffraction".

A sesquicentennial anniversary session to commemorate 150 years of Maxwell's equations is organized at PIERS 2014, with the following nine distinguished senior speakers of the electromagnetics community: Jean-Charles Bolomey, Federico Capasso, Weng Cho Chew, Raymond W. Chiao, Giorgio Franceschetti, Prabhakar H. Pathak, John B. Pendry, Donald R. Wilton, and Arthur D. Yaghjian.

Two mini-symposia have been organized in PIERS 2014, with many excellent keynote/invited speakers. One is on "Photovoltaics, LEDs and Other Optoelectronics in Energy" organized by Wallace C. H. Choy and Mario Dagenais. It consists of 6 sessions with different organizers. The other mini-symposium is on "Microwave Photonics" (organized by Christina Lim and Chao Wang) with 3 sessions on various related topics.

The feature of Focus sessions introduced in PIERS 2013 Stockholm continues this year. PIERS 2014 has about 20 focus sessions on various hot topics, such as Casimir Effect and Heat Transfer, Photoacoustic Tomography and Sensing, Disordered Photonics, Tunable and Reconfigurable Metamaterials and Plasmonics, etc..

In addition to the regular technical sessions, several pre-conference short courses have been planned for PIERS 2014.

Best Student Paper Awards will be given to students who are first authors and presenters of excellent contributed talks. Awards will be presented during the Banquet on August 27.

To encourage participants to meet with the authors and discuss technical issues in-depth, free beer will be provided at the poster session area around the coffee break time of the first three days.

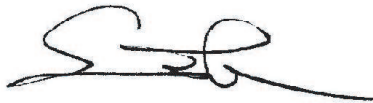
A Welcome Reception will be held in the evening of August 24 on the 3rd floor of the conference hotel (the Langham Place Guangzhou).

If you want to visit any local Guangzhou institutions, organizations and companies, you may contact our local organizer, South China Normal University. They will be glad to assist you for any request you may have.

It is an enormous task to organize this big conference and it is impossible to succeed without the dedicated efforts of many supporters and volunteers. We are indebted to the entire Technical Program Committee, particularly, the Technical Program Committee Chairs, the Subcommittee Chairs, and the Session organizers who have worked persistently throughout the year to invite speakers and organize the technical sessions which results in the present excellent technical program.

We thank all the contributors and authors for making PIERS 2014 a truly unique, outstanding global event.

Sincerely,

A handwritten signature in black ink, appearing to be 'Sailing He', with a stylized, flowing script.

Prof. Sailing He,

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The Progress in Electromagnetics Research Symposium (PIERS) is sponsored by The Electromagnetics Academy.

The Electromagnetics Academy is devoted to academic excellence and the advancement of research and relevant applications of the electromagnetic theory and to promoting educational objectives of the electromagnetics profession. PIERS provides an international forum for reporting progress and advances in the modern development of electromagnetic theory and its new and exciting applications.

Founded by the late Professor Jin Au Kong (1942–2008) of MIT in 1989, The Electromagnetics Academy is a non-profit organization registered in USA.

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Progress In Electromagnetics Research Symposium
August 25–28, 2014
Guangzhou, CHINA

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