

PIERS 2015 in Prague

Progress in Electromagnetics Research Symposium

6 – 9 July, 2015

Prague, Czech Republic

CALL FOR PAPERS

PIERS – Where Microwave and Lightwave Communities Meet

PIERS provides an international forum for reporting progress and recent advances in all aspects of electromagnetics. Spectra range from statics to RF, microwave, photonics, and beyond. Topics include radiation, propagation, diffraction, scattering, guidance, resonance, power, energy and force issues, and all applications and modern developments. Potential session organizers are welcome to propose specific technical topics by filling out the PIERS survey at <http://piers.org/>.

SUGGESTED TOPICS:

- | | |
|--|--|
| 1 Electromagnetic theory | 2 Computational electromagnetics, hybrid methods |
| 3 Spectra, time, and frequency domain techniques | 4 Fast iteration, large scale and parallel computation |
| 5 Transmission lines and waveguide discontinuities | 6 Resonators, filters, interconnects, packaging |
| 7 Antenna theory and radiation | 8 Phase array, microstrip and printed antennas |
| 9 RF and wireless communication, multipath | 10 Power electronics, superconducting devices |
| 11 Systems and components, electromagnetic compatibility | 12 Nano scale electromagnetics, MEMS |
| 13 Magnetic levitation, transportation and collision avoidance | 14 Precision airport landing systems, GPS |
| 15 Radar sounding of atmosphere, ionospheric propagation | 16 Microwave remote sensing and polarimetry, SAR |
| 17 Subsurface imaging and detection technology, GPR | 18 Active and passive remote sensing systems |
| 19 Electromagnetic signal processing, wavelets, neural network | 20 Rough surface scattering and volume scattering |
| 21 Remote sensing of the earth, ocean, and atmosphere | 22 Scattering, diffraction, and inverse scattering |
| 23 Microwave and millimeter wave circuits and devices, CAD | 24 Wireless power transfer and harvesting |
| 25 Medical electromagnetics, biological effects, bioimaging | 26 Microwave photonics, THz technology |
| 27 Biophotonics, optical sensors and environmental monitoring | 28 Novel optical fibers and fiber-based devices |
| 29 Advanced photonic materials and nanophotonics | 30 Optoelectronic devices and integration |
| 31 Light emitting and lasing | 32 Optical and wireless networking |
| 33 Light harvesting, photovoltaics, optoelectronics in energy | 34 Coherent optics, ultrafast optics |
| 35 Quantum electrodynamics, computing and information | 36 Metamaterials and plasmonics |
| 37 Biological media, composite and random media | 38 Plasmas, nonlinear media, fractal, chiral media |
| 39 Constitutive relations and bianisotropic media | 40 Moving media, relativity, field quantization, etc. |

SUBCOMMITTEES FOR PIERS 2015 IN PRAGUE

The following five subcommittees have been formed for PIERS 2015 Prague (however, the topics of PIERS 2015 Prague are not limited to these areas):

- 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

FOCUS SESSIONS

In PIERS 2015 Prague, a dozen of Focus Sessions will be planned. Each focus session should be focused on a specific hot topic that must be timely and reflect the future trends or the latest scientific advances in the area. The leadership of the conference will select the topics of focus sessions and the responsible organizers. The organizers may adjust the title of the focus session to make it e.g. more specific/focused and should make the best effort to ensure the high quality of the session by inviting high-profile keynote speakers (30 min for each; 0-2 keynote speakers for each focus session) and excellent invited speakers (20 min for each), etc. Some contributed oral talks (15 min each) are encouraged, however, quality must be very well controlled by the organizers with a typical acceptance ratio of less than 50%. Each focus session will last for a half-day (with a coffee break) or a full-day (with a lunch break and two coffee breaks).

BEST STUDENT PAPER AWARDS

To encourage more students to present their good research results in PIERS, 4-5 Best Student Papers will be awarded after their presentation in PIERS 2015 Prague. Each winner will receive 500 USD cash award and a banquet ticket to attend the Award Ceremony.

A student competing for best student paper award must be listed as the first author as well as the presenting author of a paper submitted for oral presentation. A full-length paper is required (by the Full-length Paper Submission deadline of 15 April, 2015) for the evaluation of the technical quality. The final score is $50\% \times (\text{paper review score}) + 50\% \times (\text{presentation score})$.

PAPER SUBMISSION MUST BE RECEIVED BY 5 FEBRUARY 2015

Abstract Guidelines: Authors are invited to submit a one-page abstract. The abstract limit is one page but must have at least 250 words in English. No full-length paper is required. The abstract should explain clearly the content and relevance of the proposed technical contribution. On a separate page list the following information: (1) Title of the paper, (2) Name, affiliation, and email of each author, (3) Mailing address, (4) Telephone/Fax numbers, (5) Corresponding author and Presenting author, (6) Topic or Session Organizer, if applicable, (7) State if poster presentation is preferred.

Please use On-Line-Submission (<http://piers.org>) to submit your contribution or via email (office@piers.org) by attachments. Authors are recommended to use *.tex, *.doc, or *.pdf as the file format. The abstract submission deadline is **5 February 2015** and the author pre-registration deadline is **5 April 2015**.

Full-length Papers: Author of an accepted abstract is invited to (but is not required to) submit a full-length paper of 4–5 pages. All full papers will be subject to a peer-review process. Only accepted and registered papers will be published in the final PIERS Proceedings and available online after the conference. Please visit PIERS website for the latest PIERS sample files. The deadline for the submission of extended papers is **15 April 2015**.

PIERS No-Show Policy: Please be reminded that if your paper is a no-show in oral presentation session, its full-length paper will not be included in the final PIERS proceedings.

PRESENTING AUTHORS MUST PRE-REGISTER BY 5 April 2015

Each presenting author is limited to presenting no more than three papers in oral and poster sessions, and must pre-register by paying a **non-refundable** fee of **US\$570** before **5 April 2015**. For students with valid identification, the non-refundable pre-registration fee is **US\$300**. Registration fee will be raised to **\$680** and **\$400** for students after **5 April 2015**. Only pre-registered articles will be scheduled in the final Technical Program. Inclusion of the article in the Technical Program and PIERS Proceedings is guaranteed only after the registration of the presenting author is completed. Registration fee include admission to all technical sessions, break areas, and a copy of the draft proceedings in CD-ROM.

Updated and detail information will be posted at www.piers.org and www.emacademy.org