



CALL FOR PAPERS

Please plan to attend and share major new IPT work at WC-IPT-9

Who should attend: Our global Congress aims to provide a platform for IPT researchers and industrial users to review significant progress through paper and poster presentations, see industrial demonstrations, and share views and join in collaboration.

Aim: The Congress will explore new themes in the science and technology of IPT; significant progress in foundational topics; and pioneering industrial applications. The Congress aims to attract the world's leading research teams and industrial users who can benefit from IPT technology.

Papers are requested on:-

A) New Generation Systems for Wider Support of Industrial Applications:-

- 1) Multi-modal and multi-spectral methods addressing complex process distributions.
- 2) Multi-dimensional systems that radically extend length and/or temporal scales.
- 3) Smart tomographic systems that provide direct application data, or process control.
- 4) Human-machine interaction in IPT systems.
- 5) Machine learning from IPT data.

B) New Developments in Foundational System Elements for Enhanced Process Interaction:-

- 1) Excitation and response sensing methods and topologies for all modes: e.g. acoustic, electrical, hard radiation, magnetic resonance, and positron-emission.
- 2) Data acquisition architectures to enhance system performance for focussed IPT products.
- 3) Integrated system design and packaging for special application needs such as intrinsic safety.
- 4) Raw data processing such as direct inversion and high-speed reconstruction methods.
- 5) Interpretation data processing yielding industry relevant information.

C) Pioneering Industrial Case Studies

- 1) Holistic study of industrial application for pilot investigation.
- 2) Holistic study of industrial application for on-line control.

Template for submission of Abstracts: Please submit your abstract using only the provided template from the Congress website at: www.isipt.org/wcipt9/WCIPT9-Paper-Abstract-Template and by the deadline below.

Submit your abstract(s) as an attachment to an email to: wcipt9-abstracts@isipt.org.

Key Dates:

9 April	<u>Deadline for abstract submission</u>	3 June	Early bird registration opens
13 April	Notification of acceptance	29 July	Early bird registration closes
3 June	Deadline for Papers Submission	2-6 September	Conference

Please see the Congress Website for all information: www.isipt.org/wcipt9

Overview summary information:

Congress Venue: The University of Bath occupies a large hilltop site above the ancient city and provides a high quality, cost-effective new venue for all technical activities of the Congress. A dedicated Congress Venue web-page provides further details.

Travel and Tourism: Bath is easily accessed by Air, Train and Car. The closest airport is Bristol International Airport which offers many direct European links and regular airport bus links to Bath centre. For the transcontinental traveller London Heathrow provides direct global links followed by transfer links and frequent train services to Bath. The World Heritage City of Bath provides many interesting sights and visits that resonate with its historic past. The nearby City of Bristol, one of Britain's first sea-ports, is a short journey away and offers contrasting places to see and things to do. A dedicated Travel and Tourism web-page provides more details - and will be progressively updated with full details of transit and travel information.

Hotels and accommodation: Further details of a range of recommended hotels and budget accommodation will be available soon (by 1 April) from the Congress website.

Conference Chair: Professor Manuch Soleimani has major experience in mounting events in IPT and related topics. He was Organising Chair to the *Medical Electrical Impedance Tomography* (EIT) Conference in 2011, attracting 130 delegates; and recently hosted the *TosCA 2016 X-ray Tomography Symposium*, attracting 140 international delegates and gained support from 15 companies for sponsorships and demonstration exhibits. A WCIPT-9 a local organising committee will manage arrangements; a Scientific Committee of IPT experts will oversee the program and certify quality of papers.

Acknowledgements: The WC-IPT series of Congresses are ISIPT events. The ISIPT is most grateful for the generous partnership of the University of Bath, UK, and in particular to Professor M Soleimani and his team, for the organisation of the 9th World Congress, WC-IPT-9.



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