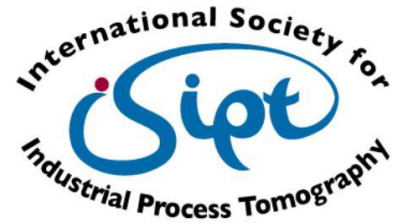


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# NEWSLETTER

## JANUARY 2019



[www.isipt.org](http://www.isipt.org)

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### Happy New Year – Goals for 2019

We wish all ISIPT Members a HAPPY AND PROSPEROUS NEW YEAR. Please help us in 2019 to showcase our most excellent IPT research and industrial applications. Later in the year we hope to add new listings of IPT Research and Industrial Organisations.

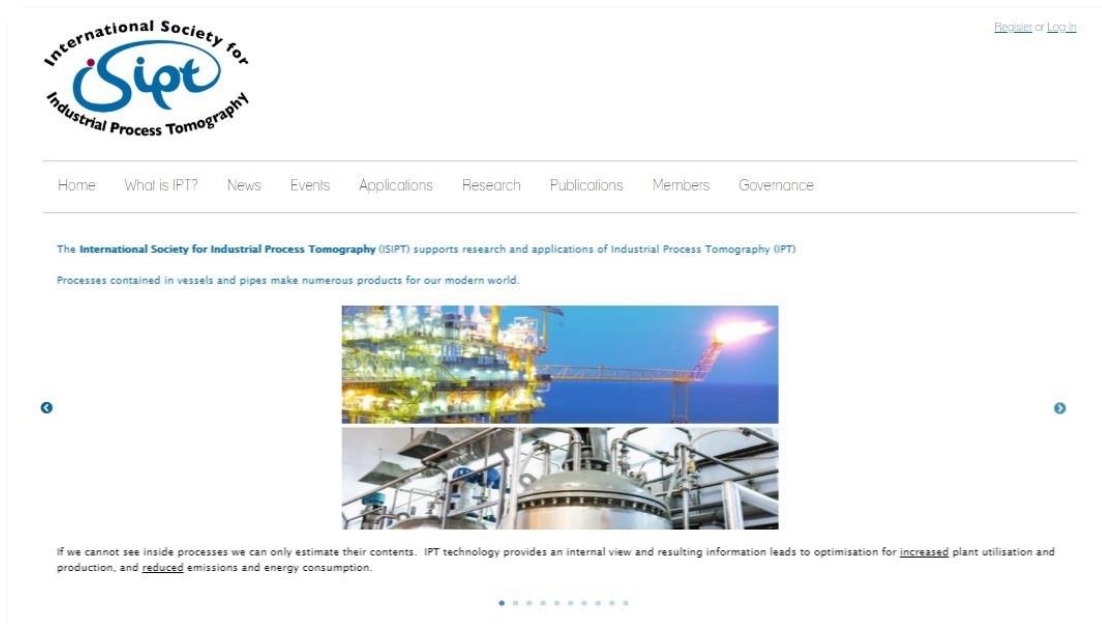
### Website Enhancements

#### **NEW Active Homepage**

Recent Newsletters have outlined proposals to enhance our website Homepage and add new content to provide a more visual view of IPT and its applications together with information about how the ISIPT supports development.

Our new Active Homepage cycles automatically through a small set of illustrative content. This begins with overviews showing IPT insight provided in two contrasting industries: oil/gas production monitoring; and manufacturing using mixing. The timed sequence then shows examples of excellent research papers, industrial application case studies, publications and event details. Navigation through the sequence can also be controlled with Forward and Back buttons.

The figure below shows the NEW Homepage - please visit the website at: [www.isipt.org](http://www.isipt.org) to try it for yourself. Please pass the URL to others.



## NEW Excellent Research Examples

A further new website enhancement features a **Research** menu section, currently offering 6 complete papers from WC-IPT-9, selected for their quality by Sessions Chairs. They provide a wide illustration of novel IPT methods and/or new applications and are available in PDF format.

We hope to feature other selected Excellent Research papers from any past WC-IPT proceedings. For Copyright reasons we cannot feature any other publications. If you wish to nominate any previous WC-IPT paper please send its WC-IPT reference data, with brief comments on: novelty in method and/or application and quality of presentation, including clarity of results and figures. Please send your recommendation by email to: [research@isipt.org](mailto:research@isipt.org). We plan to review nominations in groups using our Expert Panel. Some nominations may not be accepted, hence please maintain confidentiality until the review process has been completed.

## Industry Application Case Study Examples Needed

Our Society is concerned with Industrial Process Tomography. We are interested in research, but this must commonly lead to exploitation and application. The ISIPT website currently includes a small number of case studies of Industry **Applications**, some are featured as overviews on the Homepage. We are interested in showcasing more Industry Case Studies in 'full-time' use on any industrial processes in any industry sector. If you have an example, please compile descriptive base data in the form shown in the current public examples and forward by email to: [industry@isipt.org](mailto:industry@isipt.org). We can format your materials and refer the completed case study back to you for approval, and then mount on the ISIPT website.

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## Proposed Research and Industry Organisation Listings

A further proposed enhancement is intended to provide information and support collaboration through a list of website links. A relevant **Organisation** entity may:-

- (i) carry out research in IPT systems and applications;
- (ii) be an industry company in which IPT is used; or
- (iii) be a supplier of IPT systems or related services.

It may be one research unit in a larger body such as a University, or the whole University. Similarly, it may be one department in an industrial company, or the whole company. Each entry in the list must be proposed by a registered ISIPT member. The ISIPT website would then offer a corresponding entry featuring an entity name, a short description, a contact name, and a URL linked to more detailed information. The proposing member will act as Representative of the Organisation for the material and must ensure that linked content is relevant to ISIPT interests and complies with ISIPT ethical standards. Specific conditions will be provided to proposing members.

Where a link exists to an activity in one unit of an entity an interest may arise by other member(s) to add information of other unit(s) of the same entity. In such cases we expect that the single linked data is revised so that multiple activities are integrated by collaboration within the entity. ISIPT does not have web resources to support multiple entries and ongoing revisions. We plan to suggest a layout for data so that there is some basic uniformity.

If you are interested providing details for a first release, please email: [organisations@isipt.org](mailto:organisations@isipt.org).

## Events Update

### Report - World Congress WC-IPT-9, September 2018

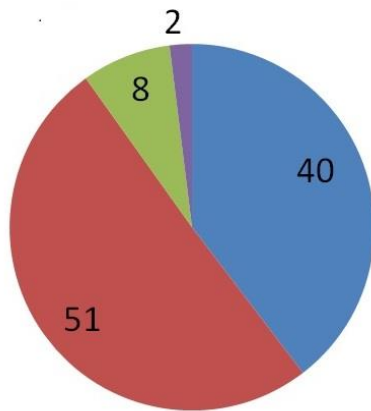


More than 100 papers were presented at the Congress. Delegates found the tiered seat auditorium with excellent facilities and visibility, and adjacent large meeting space for refreshments and lunch, the perfect combination for both presentations and discussions. The nearby ancient city of Bath with its many tourist sights and restaurants also offered excellent 'off duty' opportunities.

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A highlight was the Congress Dinner, held in one of Bath's most famous venues – the Roman Baths. This began with an extensive guided tour around the ancient sight followed by an excellent dinner.

The Congress format focussed on developing new concepts and applications. The pie chart below illustrates the themes and number of papers..



A) New Generation Systems for Wider Support of Industrial Applications

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

C) Pioneering Industrial Case Studies

D) Future actions and events

## Advance Information - WC-IPT-10 Tianjin September 2020



Our next World Congress is hosted by Tianjin University, founded in 1895 as the first modern university in China. Tianjin is one of China's most modern cities but also has many cultural sights that resonate with its historic past (e.g. see: [www.wikitravel.org/en/Tianjin](http://www.wikitravel.org/en/Tianjin)).

Tianjin has major air and train transport links. Its modern international airport has direct flights from some worldwide cities: Auckland, Bangkok, Hiroshima, Hong Kong, Kuala Lumpur, London, Moscow, Nagoya, Osaka, Seoul, Singapore, and Taipei; as well as air links to many other cities in China. Tianjin is also only a short distance southeast of Beijing and is easily accessed by international flights to Beijing's Capital Airport; with frequent transfer available by high-speed train (typically taking 30 minutes) and Bus. With its easy access to Beijing and many other cities in China by rail and air, Tianjin also provides endless tourist opportunities.

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Our Congress Venue is the Tianjin Geneva Grand Hotel ([www.genevahotels.com.cn/en/](http://www.genevahotels.com.cn/en/)), pictured below, providing a high quality, cost-effective setting for all the technical activities of the Congress. A range of lodging accommodation will also be available.



The Geneva Grand Hotel is located in Tianjin city center, within walking-distance of Tianjin Cultural Center in a parkland and lake setting. It is also surrounded by Tianjin (Historical) Museum, Culture Museum, Science and Technology Museum, Art Gallery, the large Galaxy shopping mall, and the amazing Tianjin Library, pictured above, which has received worldwide architectural acclaim.

A nearby subway station provides a direct link to Tianjin Binhai International Airport, 3 Tianjin Railway stations (East, West and South) and a variety of historical and eastern/western leisure sites within 1-hour. The subway also links to Tianjin Binhai area to explore Bohai seaside.

Please note the mid-September 2020 period in your diary. Exact dates will be available soon on the ISIPT website. A full Congress website will be available later when the Call for Papers is announced.

## Are you in our WC-IPT-11 2022 World?

As a global organisation we aim to hold our major meetings around the planet. Our next planned event is in China in 2020. The following event could re-visit the American continent in 2022 within the Longitude sector 60°W to 180°W including Canada, USA, Mexico, Central states and all South American states. We are very grateful for the offers we have received. To allow all other members to consider offers we will keep the opportunity open for the next few months.

**We invite all members within this sector to consider mounting our World Congress-11 in 2022..**



Our World Congress events clearly require considerable organisation. Major support is available from the ISIPT; see: [www.isipt.org/events](http://www.isipt.org/events) and use the **Propose an Event** link. An overview with a downloadable Guide-note provides a brief template of questions for direct use in a proposal. To propose mounting a WC please simply submit an Outline Proposal which provides a short response to each guide-note question, plus a few images of the venue, the city and area, etc. For the selected proposal further support is then available to assist with financial planning and general logistics.

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ISIPT will also provide a specific publicity website (linked to our main website), ISBN registration for proceedings, and later uploading of papers to our Open-Access publications library. A planning spreadsheet is available to highlight main costs and predict 'break-even' numbers needed. Please submit any questions and Outline Proposals to: [events@isipt.org](mailto:events@isipt.org).

## Future Focussed Symposium Events

The ISIPT supports an unlimited number of events that contrast (and importantly do not compete) with our World Congress series in their focus on a narrow theme using a variety of modes: e.g. symposium, workshop, round-table, sand-pit. These can be simple to organise typically with less than about 30 attendees. The following focussed events are scheduled over the next 2 years:-

### Symposium on Process Tomography and Data Handling

TOMOCON 2nd Summer School, 2019, Delft, The Netherlands.

Details later - please check the ISIPT website for future updated information

### Symposium on Advanced Process Modelling

TOMOCON 3rd Summer School, 2020, Lappeenranta, Finland.

Details later - please check the ISIPT website for future updated information

Could you offer a Focussed Symposium event? This may explore a new idea in depth and attract collaborators. Or offer an opportunity for a specific group to share a theme of interest: such as creating a new network; or planning research programmes for regional postgraduate students.

Support on organising Events in general is available from the ISIPT website at [www.isipt.org/events](http://www.isipt.org/events). Use the **Propose an Event** link, where an overview is provided, plus a downloadable Guide-note that provides a brief template of questions for direct use in a proposal. A simple planning spreadsheet can also then be supplied to highlight the main costs and predict 'break-even' numbers needed. Please forward questions or proposals to: [events@isipt.org](mailto:events@isipt.org).

## Publications Update

### Papers and Special Editions-WC-IPT-9

Full Open Access to all papers for World Congress WC-IPT-1..8 is available to all members when logged in at: [www.isipt.org/publications](http://www.isipt.org/publications). This will include WC-IPT-9 papers from 1 March 2019.

The following special editions are currently under preparation. **If you have been invited to submit an extended paper and have not yet done so, OR you wish to decline the invitation, OR if you have submitted directly to the Journal, please contact to the relevant Editor (see below) with details.**

**MDPI – Sensors - ISSN 1424-8220.** Impact factor: 2.677 - This journal covers the science and technology of sensors and biosensors - for research papers describing novel advances in IPT sensing technology with early trial data. **This Special Edition is still open for paper submission.** Editor Prof M Soleimani ([m.soleimani@bath.ac.uk](mailto:m.soleimani@bath.ac.uk)).

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IoP - Measurement Science and Technology - ISSN: 0957-0233, Online ISSN: 1361-6501, Impact factor: 1.585 - This journal covers all aspects of the theory, practice and application of measurement, instrumentation and sensing across science and engineering. [This Special Edition is now closed.](#)

IMC - Transactions of the Institute of Measurement and Control - ISSN: 0142-3312, Online ISSN: 1477-0369, Impact factor: 1.579. This journal covers systems and control theory, sensors and signal processing, man/machine interface, computing for measurement, control and automation, adaptive control, advanced robotics, dynamic simulation and switched systems. Suitable for research and practice papers describing composite IPT systems applied in specific roles with trial results. [This Special Edition is still open for paper submission.](#) Editor Prof C Tan ([tanchao@tju.edu.cn](mailto:tanchao@tju.edu.cn)).

## Author re-use of World Congress Paper Content

The ISIPT retains Copyright of World Congress (WC) papers to prevent unauthorised and undesirable use. As conference papers their content is likely to be novel but incomplete. Members are strongly encouraged to publish extended more complete versions of WC papers that may typically include expanded description, results, and further in-depth analysis. The ISIPT supports this use of WC papers and grants Copyright access to any named author. It is important that such works are distinct from the WC original papers. Members are respectfully reminded of ISIPT and generally accepted rules on self-plagiarism (please see the website for ISIPT [Governance](#) policy).

Our WC papers may be openly accessed by all members, and we have no cost for membership. However, due to local rules, some members are required to provide copies of published papers to institutional 'open access' repositories. The ISIPT grants permission for members to supply WC papers for which they are a named author to an institutional repository. The [Governance](#) website section will be updated with this information. Members should refer their information systems colleagues to this website permission – no other individual permission is needed or will be supplied.

## Development of our Global Community

We currently have more than 550 members from 55 states. The ISIPT can only effectively deliver its aims if it extends coverage to everyone who has an interest, as a researcher, developer, a user or simply for people interested in how science and technology is applied. Please pass on information about ISIPT to your colleagues and contacts to grow our community. We are all affected by 'succession planning'; please help the ISIPT to continuously renew our community by encouraging junior colleagues to become members - so that they can benefit and 'stand on our shoulders'.

**Acknowledgements:** Thanks to Philip Ronson of Aggelia for his work on our website and electronic communications.

ISIPT Executive Team – January 2019

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