Call for Papers

7th International Conference On Through-life Engineering Services (TESConf 2018)

6-7 November 2018
Cranfield University, Cranfield, UK
Successful high technology manufacturing companies across the world are offering a range of interlinked high value products and through-life engineering services.

High value products are typically technology intensive, expensive and reliability critical requiring the services (such as maintenance, repair and overhaul) throughout the life cycle.

The Through-life Engineering Services Centre based at Cranfield University is delighted to announce the Seventh International Conference in this vital area in 2018.

Through-life Engineering Services (TES) typically now generates 50-60% of the revenue in many companies and the opportunities for industry in the future are set to expand and become a major part of those that want to survive in the 21st Century. The service that is needed, will involve manufacturers taking more whole life service responsibilities than they have in the past as users seek to find solutions to smooth their in-year costs and reduce overheads.

The Conference will bring experts and researchers in this area together to exchange ideas and progress in delivering solutions to provide world-class capability to enable industry to deliver high value products with outstanding availability, predictability and reliability with the lowest life cycle cost.

Call for Industrial Exhibition
Organisations around the world are invited to book a stand to exhibit their products and services in through-life engineering services. The conference will allow the organisations to showcase their exhibits in front of their potential customers and network with world-class academics for future collaboration.

Full Papers
The TESConf2018 organising committee invites you to present significant scientific results undertaken in this area. Peer reviews of the full paper will be undertaken as part of the publishing process. If accepted, an oral presentation is scheduled at the conference and the full paper will be published in the conference proceedings.

Poster
The TESConf2018 committee invites you to submit posters. The authors will propose abstract for the poster, and will produce a 2 page extended abstract for peer review. If accepted, the poster will be entered into the poster competition and the 2 page extended abstract will be recommended for publication*.

Session Proposals
We will be conducting workshops, tutorials and live presentations of industrial products and developments. Please contact us for individual arrangements.

*Subject to contractual agreement
Areas of focus

**Fundamentals of TES**
- Reliability Engineering, Condition Monitoring, Diagnostics and Prognostics
- Remote Maintenance
- Component Inspections
- Degradation Assessment

**Planning and Management**
- Modelling and Simulation
- Obsolescence Management
- Supply and Support Chain
- Uncertainty and Risk Assessment
- Human Factors

**Design and Manufacturing for TES**
- Systems Design
- Service Performance Feedback to Design
- Service Performance Feedback to Manufacturing
- Manufacturing Process Influence on Degradation

**Technologies**
- Sensors and Sensor Networks
- Non-Destructive Testing
- No Fault Found
- Repair and Overhaul
- Service Life Extension

**Digital Service Engineering**
- IoT
- Industry 4.0
- Big Data and Data Analytics
- Edge Computing
- Data Security
- Intelligent Maintenance and e-Maintenance
- Augmented Reality and Virtual Reality
- Digital Twins
- Artificial Intelligence

**Future Through-life Engineering Services**
- Autonomous Maintenance
- Robotic Maintenance
- Self-Healing and Self-Repairing Systems

**Applications of Through-life Engineering Services**
- Integrated Vehicle Health Management (IVHM)
- Maintenance of Railway Systems
- Maintenance of Renewable Energy Systems
- Maintenance in Nuclear Industry
- Maintenance of Manufacturing Systems

**Submission**
Submission will be via our web-site. Please refer to the section in www.through-life-engineering-services.org
**TESConf 2018**

**Important dates**

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<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>1 February 2018</td>
<td>Submission of session/tutorial proposals</td>
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<tr>
<td>1 March 2018</td>
<td>Submission of paper abstract proposals (max 300 words with title, full details of the authors and their contact details)</td>
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<tr>
<td>1 March 2018</td>
<td>Submission of poster abstract proposals (max 300 words with title, full details of the authors and their contact details)</td>
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<tr>
<td>1 May 2018</td>
<td>Full length paper submission</td>
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<tr>
<td>1 July 2018</td>
<td>Submission of poster extended abstract proposals (max 2 pages)</td>
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<tr>
<td>1 August</td>
<td>Notification of acceptance of full papers and start of Conference Registration</td>
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<tr>
<td>15 August 2018</td>
<td>Final camera ready full paper submission</td>
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**Registration**

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<tr>
<td>1 September 2018</td>
<td>Author registration</td>
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<tr>
<td>1 October 2018</td>
<td>Late conference registration</td>
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**Contact**

**Through-life Engineering Services Centre**

T: +44 (0)1234 750111 ext. 4031  
E: TESConf@cranfield.ac.uk  
Cranfield University, Cranfield, MK43 0AL, UK  
[www.through-life-engineering-services.org](http://www.through-life-engineering-services.org)