47th Leeds-Lyon Symposium on Tribology
Tribology for a Sustainable Future
Tuesday 8 – Thursday 10 September 2020
Tribology for a Sustainable Future

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The unprecedented demand to optimise engineering systems for enhanced sustainability and longevity brings new and emerging challenges for tribological interfaces. To address the global push for sustainability, advances in experimental and computational models and materials degradation mitigation is essential. This will likely require novel approaches in surface, lubricant and system design across the majority of industrial sectors (e.g. energy, automotive, aerospace, biomedical). In this Leeds-Lyon Symposium, we will capture the exciting developments which cut across many tribological areas to create efficient tribological systems that will underpin the development of novel technologies with great impact on future sustainable development.

Offerings of original research are requested in (but not limited to) the following areas:

- Sustainable and green lubricants
- Novel materials with advanced tribological performance
- Advanced measurement and simulation methods
- Interface life-cycles
- Sustainable interfacial design
- Industrial application of these technologies

**History**

These symposia are jointly sponsored by the University of Leeds (UK) and the Institut National des Sciences Appliquées (INSA) de Lyon, Université de Lyon (France). The inaugural symposium was held in 1974 and since then there has been an annual meeting in the month of September, the sponsoring institutions acting as hosts on alternate occasions. After 46 successful events, the symposium has become an established event in the international tribology calendar. Each year the symposium provides an opportunity to tribologists and those working in related fields to discuss and assimilate recent advances of tribology and to exchange views and ideas on a broader basis. Combining both breadth and depth the symposium will provide an outstanding forum to review recent advances in tribology and applied surface science and to examine the contribution these areas can make to a sustainable future.

**Organising Committee**

From the School of Mechanical Engineering, University of Leeds, UK:

Dr Abdullah Azam
Dr Rob Beadling
Dr Michael Bryant
Dr Richard Chittenden
Dr Abdel Dorgam
Dr Erfan Abedi Esfahani
Dr Cayetano Espejo
Dr Ali Ghanbarzadeh
Dr Shahriar Kosari

Prof Adryan Morina
Prof Anne Neville
Prof Pourya Parsaian
Dr Farnaz Motamen Salehi
Dr Siavash Soltanahmadi
Dr Mark Wilson
Dr Shusheng Xu
Dr Liuquan Yang

**Dowson prize**

Awarded to the best paper and presentation by a registered research student, or someone within three years of graduation from a research degree, at the symposium when held in Leeds, as judged by a panel selected by the symposium organisers. The prize was first offered in 2008 in honour of the lifetime achievements of Duncan Dowson and to inspire and reward outstanding tribologists in the early stages of their careers. It essentially mirrors the remit of the “Maurice Godet Award” presented when the symposium is hosted in Lyon.

**Publishing arrangements**

Leading publishers disseminate full journal paper contributions to the Leeds-Lyon symposia in special issues of refereed journals of international repute. This offers high visibility for research papers presented at the symposia, full recognition as contributions to peer reviewed journals and electronic access.

**Key Dates**

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<tr>
<th>Event</th>
<th>Date</th>
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<tr>
<td>Submission of initial 1 page abstract for oral presentation</td>
<td>24 February 2020</td>
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<tr>
<td>Notification to authors of oral abstract acceptance</td>
<td>29 April 2020</td>
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<tr>
<td>Submission of 1 page abstract for poster presentations</td>
<td>22 June 2020</td>
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<td>Notification to authors of poster abstract acceptance</td>
<td>8 July 2020</td>
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<tr>
<td>Submission of final 1 page abstract for oral presentations</td>
<td>20 July 2020</td>
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<td>Submission of paper to chosen journal</td>
<td>30 July 2020</td>
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**Call for Papers**

Offers of papers, which should include details of the proposed title, names of authors and synopsis (in total not exceeding one A4 page) should be submitted in PDF format no later than 24 February 2020 to EasyChair https://easychair.org/conferences/?conf=ll2020

For further details and an abstract template please go to: https://engineering.leeds.ac.uk/leeds-lyon-conference

**Keynote Speakers**

Dr Tabassamul Haque  
ExxonMobil, USA

Professor Roger Lewis  
University of Sheffield, UK
Symposium fees
£650 Regular Symposium Fee
£490 Student Symposium Fee
The above options include registration with synopses of all papers; light refreshments, lunches, social programme and the symposium dinner.

£104 bed and breakfast package
Tuesday 8 and Wednesday 9 September 2020, sole occupancy

£52 single night bed and breakfast
Monday 7 September, sole occupancy

£52 single night bed and breakfast
Thursday 10 September, sole occupancy
Other single night’s accommodation before and after the symposium is subject to availability on request.

Venue and social programme
The venue for the symposium is University of Leeds, Leeds, UK. Please note the change of venue. Full details are available on the symposium website. The outstanding attendance of a truly international flavour at each symposium has confirmed the wider value of the meetings. The social occasions, as well as the technical sessions, have fostered lasting relationships which benefit the individuals and the subject of tribology. All delegates are invited to attend the symposium dinner on Tuesday 8 September.

How to book
Booking and payment, by credit or debit card, should be completed through our secure Online Store accessed via the Leeds-Lyon web site https://engineering.leeds.ac.uk/leeds-lyon-conference
Please click the ‘Registration & Accommodation’ link at the top of the page, this will take you to the registration information including a link to the University Online Store. You will be required to register your details and then complete the application process as directed. You will receive an automatic confirmation email within 24 hours of your booking. Please ensure you print this as confirmation of registration and proof of payment.
Please note, the Online Store cannot accept American Express credit cards.
For online bookings queries and other queries please contact the Symposium Secretariat on:
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E: leeds-lyon@leeds.ac.uk