

CALL FOR PAPERS: **14TH INTERNATIONAL CONFERENCE ON TURBOCHARGERS AND TURBOCHARGING**

Institution of
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13-14 May 2020

Twickenham Stadium, London

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Powertrain Systems and Fuels Group
Conference

CALL FOR PAPERS

Submit your abstract today to ensure your research is considered.

Submission deadline: **12 July 2019**



14TH INTERNATIONAL CONFERENCE ON TURBOCHARGERS AND TURBOCHARGING

13-14 May 2020, Twickenham Stadium, London

CALL FOR PAPERS: PRESENT YOUR WORK AND BECOME A PUBLISHED AUTHOR

The world leading International Conference on Turbochargers and Turbocharging returns in 2020. It will address current and novel turbocharging system choices and components with a renewed emphasis to address the challenges posed by emission regulations and market trends.

Focusing on the development of air management solutions and waste heat

recovery ideas to support thermal propulsion systems leading to high thermal efficiency and low exhaust emissions. These can be in the form of internal combustion engines or other propulsion technologies (eg. Fuel cell) in both direct drive and hybridised configuration. It particularly focuses on turbochargers, superchargers, waste heat recovery turbines and related air managements components in both electrical and mechanical form.

WE ARE LOOKING FOR PAPERS ON THE FOLLOWING TOPICS:

- Future Legislation needs for thermal propulsion systems (Eu7, EUV7, RDE, US24, China VI b)
- Air management needs in future powertrains for passenger car and commercial vehicles (On and Off-Highway)
- Future concepts for marine propulsion and power generating sets
- Impact of alternate fuels (eg CNG, 2nd Gen Bio fuels, synthetic fuels)
- Turbocharger systems and novel configurations
- Boosting solutions for conventional powertrains
- Demands for turbochargers in hybrid powertrains
- Electric turbochargers, electric compressors and turbo-generators
- Waste heat recovery systems and electric turbo-compounding
- Boosting solutions for new engine concepts
- Energy, thermal management and control in hybrid systems
- Turbomachinery aerodynamic development
- New Compressors and Turbines
- Single and multi-stage turbocharger systems
- Component fatigue life, bearing design and rotor-dynamics
- Mechatronics, control, sensors and power electronics needs for Boosting
- Simulation techniques: 3D, 1D and 0D
- New testing and measurement methods
- Advanced manufacturing processes and the role of additive manufacturing
- Industry 4.0

HOW TO SUBMIT

Submit an abstract for your proposed paper in 500 words and include:

- Your full name, job title, organisation and contact details
- A working title for your paper
- A short biography for the lead author (no more than 50 words)

Please submit your abstract by 12 July 2019 via the Firebird system <https://flame.firebird.systems/IMECHE/ICTT2020/MySubmissions>

For any queries about submitting your work, please contact Event Enquiries on **+44 (0)20 7973 1251** or **eventenquiries@imeche.org**

Following this deadline, the Organising Committee will select the abstracts they wish to invite to submit a full draft paper. The draft paper should not exceed 5000 words.

All conference papers should be in English. Authors are required to pay the conference attendance fee at a reduced rate. Travel or accommodation expenses cannot be covered by the Institution. All accepted papers will be published and available to all conference delegates.

SPONSORSHIP & EXHIBITION OPPORTUNITIES

For more information please call **+44 (0)20 7973 1309** or email **daniel.anglin@imeche.org**