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Institution of
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ENGINEERS**

4–5 December 2018
London

Powertrain Systems and Fuels Group
Conference

www.imeche.org/fuelsystems2018

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your research is considered.

Submission deadline: **9 February 2018**



FUEL SYSTEMS ENGINES: INJECT YOUR IDEAS, FUEL YOUR TECHNOLOGY

4–5 December 2018, London

THE AUTOMOTIVE INDUSTRY MUST CONTINUE TO MEET THE DEMANDS OF FUTURE ENVIRONMENTAL REQUIREMENTS AND DEVELOP ALTERNATIVE POWERTRAINS TO LOWER CARBON DIOXIDE EMISSIONS.

In the short-term internal combustion engines need to be made more efficient, either as the sole power unit, or for specific applications such as hybrids and range extenders. The fuel system has a major influence on optimising combustion efficiency and for manufacturers to excel, there must be further research and development of fuel systems to guarantee the best

engine performance, ensuring minimal emissions and maximum fuel economy. More cost-effective solutions for hybrid diesel or gasoline fuel systems may be feasible.

The next conference in this prestigious series on Fuel Systems Engines will focus on the latest technology for state-of-the-art system design, characterisation, measurement, and modelling, addressing all technological aspects of diesel and gasoline fuel injection systems. This will range from fundamental fuel spray theory, component design, to effects on engine performance, fuel economy and emissions.

CALL FOR PAPERS: PRESENT YOUR WORK AND BECOME A PUBLISHED AUTHOR
SUBMIT YOUR 250 WORD ABSTRACT
WE ARE LOOKING FOR PAPERS ON THE FOLLOWING TOPICS:

- Fuel injection component design for diesel, gasoline and hybrid vehicles
- Effects of fuel injection system on spray formation and propagation
- Effects of fuel injection system on engine performance and emissions
- Calibration and optimisation
- System integration
- Fuel system measuring techniques, development and manufacturing
- Engine and vehicle controls
- General modelling methods for dynamic performance prediction, especially in high-pressure fluids and multiphase regimes
- CFD applied to FIE and fuel air mixing
- Large engine fuel injection systems
- Fuel filtration
- Diagnostics and service experience
- Exhaust/After-treatment injection systems
- Fuel formulation for achieving optimum injection
- Low lubricity fuels

HOW TO SUBMIT

Submit an abstract for your proposed paper in 250 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 (maximum 100 words)

Please submit your abstract by **9 February 2018** online at **www.conftool.pro/fuel-system-engines-2018**

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 **4000 words** and will be required by **22 May 2018**.

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

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