

30<sup>th</sup> Oct - 1<sup>st</sup> Nov 2024

Dalian University of Technology, China

7<sup>th</sup> Biennial International Conference on

## Powertrain Modelling and Control for Decarbonized, Electrified and Smart Mobility

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With the parallel event “7th IFAC Conference on Engine and Powertrain Control, Simulation and Modeling (E-COSM2024)”, the 2024 Biennial International Conference on Powertrain Modelling and Control (PMC 2024) for Decarbonized, Electrified and Smart Mobility is focusing on latest advances and developments in new generation of hydrogen, electric, and hybrid powertrains, covering dynamics, control, testing, characterization, calibration, and beyond. The format will be both in-person and online. The event will open up presentations and discussions on the solutions to challenging mobility technologies among the development of the following frontiers, but not limited to:

### Powertrains for Decarbonized, Electrified and Smart Mobility

- Hydrogen / Synthetic Fuel
- Electric Drivetrains
- Hybrid Powertrains
- System Identification and Control
- Powertrain Optimization
- Emission Legislation
- Powertrain / Motor / Vehicle Testing
- Safety Technology
- Thermal Management
- Battery Technology
- Autonomous Driving Powertrain
- Fuel Cell
- Hardware -in-Loop Testing
- Co-Simulation, FMI, FMU Integration
- Performance and Drivability (NVH)
- Advanced Engine Technology

**PMC 2024** invites full papers describing original and yet unpublished work. All papers must include title, complete contact information for all authors, abstract, and keywords on the cover page. Research papers reporting on new development of powertrains for conventional, hybrid and electric vehicles, while industry and development papers reporting on actual developments of technology, products, systems and solutions. In addition, PMC (<https://pmc-conference.com>) will invite keynotes, organize workshop and panels. All the registration shall go to [PMC2024@dlut.edu.cn](mailto:PMC2024@dlut.edu.cn) or [pmc@lboro.ac.uk](mailto:pmc@lboro.ac.uk) with further inquiry contact: +86-15942604160 (Ms. Zhao). The registration email (open till August 1, 2024) should provide the essential information: title, authors & affiliations, abstract. The registration is also valid for the parallel E-COSM2024 (<https://ecosm2024.dlut.edu.cn/>).

**Paper Submission:** Papers must be submitted in PDF format. Submit your paper as well as inquiries to the event email: [PMC2024@dlut.edu.cn](mailto:PMC2024@dlut.edu.cn). All quality papers will be recommended to IJPT for further publishing. Best papers will be selected for award.

### KEY DATES

**Paper Registration**

June 15, 2024

September 1, 2024

**Paper Submission**

August 1, 2024

September 1, 2024

**Notification**

September 1, 2024

**Final Paper**

September 15, 2024

Co-organizer:



Collaborator:

