

Creating a world
fit for the future



Virtual Engineering

Virtualisation of Future Vehicle Engineering

25 – 26 March 2020 • Shoreham Technical Centre

Call for Papers

www.ricardo.com/ve



Virtual Engineering: Virtualisation of Future Vehicle Engineering

Introduction

Dear Sir/Madam,

Ricardo is hosting a 2-day Virtual Engineering event at their global HQ in Shoreham-by-Sea to help customers reduce development time and cost through virtualisation.

With pressure to reduce emissions and improve air quality, wide scale electrification is becoming a reality however, hybrid and electric vehicles are becoming increasingly more complex resulting in greater costs, and increased effort in testing and calibration.

This conference will explore current trends and future potential developments in the virtualisation of engineering as we believe that increased virtual toolchains are essential for future vehicle development. This includes Virtual Product Development (VPD), a design right first time approach and more efficient physical testing by removing hardware stages during the development process.

Our aim is to be a key part of virtualisation of engineering for future vehicle development and we cordially invite you to present your insights and the latest research and development findings from your company or institute and would be very pleased to welcome you to join us as a speaker.

If you feel that this call for papers would also be of interest to others within your organization, please feel free to forward this information.

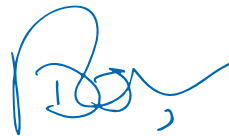
Thank you and best regards, from the scientific board.



James Mullineux
Ricardo Automotive & Industrial



Felipe Brandao
Ricardo Software



Dave Rawlins
Warwick Manufacturing Group



Virtual Engineering: Virtualisation of Future Vehicle Engineering

Call for Papers

We are looking for you to share your cutting-edge ideas, research and passion at our inaugural Virtual Engineering conference.

The increasing use of virtual toolchains is important to deliver more efficient processes, more accurate predictive analysis and faster than real-time functionality.

A list of topics of interest are below but by no means exhaustive:

- **Integrated co-simulation**
- **Real-time predictive analysis**
- **Complete vehicle systems modelling**
- **New propulsion and powertrain systems**
- **Emissions predictions**
- **Fuel cell analysis**
- **Thermal management**
- **NVH**
- **Virtual calibration**
- **Digital twin**
- **Process optimisation**
- **Simulation process and data management**

Are you interested in giving a speech on one of these subjects or a related subject?

If so, please complete the form on the next page and send to:

Email: info@ricardo.com

Phone: +44 (0)1273 455611

Based on the presentation abstract, the scientific board will review and decide on its suitability and acceptance for this conference.

Information on the conference:

The time allowed for presentation is 20 minutes (*only PowerPoint format accepted*) with a subsequent discussion. The registration fee will be waived for one speaker per presentation.

Schedule:

- Deadline for submission of abstracts:
25 October 2019
- Notification of the authors:
November 2019
- Submission of final presentations:
31 January 2020
- The final conference program will be published in **December 2019**





Submissions

Speaker profile

Name:

Co-authors:

Company:

Email:

Phone:

Bio:

Presentation information

Paper title:

Abstract:
(150-200 words)

This presentation is approved for public release at the conclusion of the event:

Yes No

Please complete the submission form electronically, in English and attach a high resolution portrait photo when returning the form.

Contact

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