



PRESS RELEASE

15 August 2018

Ricardo Software UserCon Europe 2018 programme announced

Now a firm fixture in the advanced Computer Aided Engineering (CAE) calendar, Ricardo Software's UserCon Europe 2018 – to be hosted Ludwigsburg, Germany, on 11-12 September – will feature presentations from partners including Ford, Volkswagen, Audi, Federal Mogul and Ducati

Hosted over two days in the prestigious Schlosshotel Monrepos in Ludwigsburg, close to Stuttgart in southern Germany, Ricardo Software's UserCon Europe is a very popular technical conference aimed at those engaged in CAE research and advanced applications within the automotive and transportation sectors. The theme of this year's event is 'The Future of Mobility', with the aim of exploring the challenges faced by industry in terms of the impact of virtualization on transport design. Within this theme, key topics of discussion will include: understanding the mechanical challenges relating to virtualization of powertrain design; the future of internal combustion engines and how to optimize performance, and; is industry fully ready for electrification in terms of the delivery of a comprehensive product range offering comprised of hybrid and electric vehicles?

In addition to the presentation of Ricardo's vision for the development of new CAE simulation methods and capabilities, a number of detailed technical

presentations on innovative research initiatives and applications will be provided from a range of key Ricardo Software customers and technical partners.



The programme of presentations will be delivered over two days, with separate streams for mechanical systems simulations, and for fluid dynamics and acoustics.

“I am pleased that we are once again able to announce a truly impressive programme of presentations for Ricardo Software UserCon Europe 2018,” commented Ricardo Software president David McShane. “This annual conference has grown significantly in popularity over recent years, and is now a must-attend event for those who champion the application of advanced CAE methods. In addition to hearing about the innovative work of Ricardo, our technology partners and customers, delegates are also able to see for themselves some of the latest software products, participate in training workshops, and contribute to the debate in terms of future development priorities.”

Confirmed presentations for Ricardo Software UserCon Europe 2018 include:

- Timing belt tooth profile optimization using VALDYN – Kevin Maile, Ford
- Influence of the EHD pin model on the piston secondary motion analysis results – Lukas Merz, Federal-Mogul Nuernberg
- SABR/GEAR in GKN eTransmission development – Hans Pietoyo, GKN Germany
- Introduction of PISDYN flexible pin feature – Andrea Negrisolo, Duraldur S.p.A.
- Advances in modelling lubricant effects within VALDYN and ENGDYN – John Bucknall, BP
- Virtual development of the crank mechanism for a MotoGP engine – Pietro Bianchi, Leonardo Engineers on behalf of Ducati Motor Holding, Racing
- Engine map wide 3D-CHT simulations – Rudolf Pape, VW
- Development process of an AUDI exhaust system – Balasz Kuti, Audi Hungary
- Development of a 2-stroke motorbike engine model: simplicity of the engine demands complexity in the model – Alberto Caruso, KTM AG
- Valve timing optimization to reduce pollutant emissions of a skip cycle engine in WAVE – Baris Dogru, University of Southampton

- Implementation of a Development Process for heat release prediction in the early stage of a gasoline engine development process – Christian Rota, Ricardo Innovations
- Hybrid vehicle optimization for fuel consumption, emissions and driveability using integrated model-based development – Fabien Fiquet, Ricardo Innovations



Full information for Ricardo Software UserCon Europe 2018, including registration and accommodation details, can be found here:

<https://software.ricardo.com/events/september-2018/ricardo-software-usercon-europe-2018>.

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NOTES TO EDITORS:

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