Advanced Fuels For Sustainable Mobility

Dear Colleagues,

Fuels for a sustainable mobility – this is a vital challenge for the automotive industry and for the fuel and refining industry. Advanced engine technologies and fuel formulations must jointly contribute to achieve future CO₂ emission targets and to ensure long term availability of economic fuel.

Combustion engines and fuels are a combined system. The „Advanced Fuels for Sustainable Mobility“ conference brings both of these unique worlds into focus, reviewing the state of the art, discussing new technologies and fuels, and highlighting emerging strategies.

You can register for this conference at the following website: www.hdt-essen.de or you can contact j.lupczyk@hdt-essen.de with any queries.

We look forward to seeing you in Nürburg for an exclusive and interesting conference!

WITH BEST REGARDS
DR. PHILIPP ADOMEIT,
EXECUTIVE ENGINEER
THERMODYNAMICS

SCIENTIFIC COMMITTEE MEMBERS

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BMW

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Shell

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Volkswagen

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TUESDAY, NOVEMBER 4th

OPENING & KEYNOTE PRESENTATIONS

09:00  Welcome and opening, Dr. Markus Schwaderlapp, FEV GmbH
09:15  Outlook and challenges for future fuels, Dr. Heather D.C. Hamje, Dr. Robin Nelson, Concawe
09:35  Advanced fuels – a never ending story?, Dr. Tobias Lösche-ter Horst, Volkswagen AG
09:55  Coffee break

MOBILITY AND FUELS I

10:30  Sustainability evaluation as a key factor for decision-making and marketing, Peter Saling, BASF SE
11:00  Audi e-fuels: energy revolution in tank, Reiner Mangold, Audi AG
11:30  Perspective on biofuels: sustainable penetration for secured greenhouse gas benefits, Dr. Muriel Desaeger, Dr. Dorothee Lahaussois, Toyota Motor Europe, Ausilio Bauen, E4Tech Ltd.
12:00  Lunch break

MOBILITY AND FUELS II

13:30  The unification of sustainability and quality demand in the development of new fuels, Dr. Thomas Garbe, Dr. Gerald Herding, Volkswagen AG
14:00  Marine fuel - quo vadis?, Dr. Udo Schlemmer-Kelling, FEV GmbH
14:30  Coffee break

GASEOUES FUELS

15:00  LNG for propulsion of off-highway applications, Dr. Wolfgang Fimml, Dr. Philippe Gorse, Dr. Christoph Teetz, MTU Friedrichshafen GmbH
15:30  The new euro VI natural gas engine for Mercedes-Benz medium duty commercial vehicles, Dr. Marko Weirich, Michael Benz, Dr. Kai Hoffmann, Dr. Hans-Otto Herrmann, Daimler AG
16:00  Extreme downsizing of CNG engines – opportunities and challenges, Dr. Ulrich Kramer, Dr. Harald Stoffels, Rolf Klein, Oliver Berkemeier, Carsten Weber, Ford Werke GmbH
16:30  Future directions in natural gas injection, Harry L. Husted, Dr. Sebastian Schilling, Dr. Guy Hoffmann, Jean-Francois Preuhs, Joseph Kazour, Delphi
17:00  Plenary discussion
19:30  Dinner and evening event
WEDNESDAY, NOVEMBER 5th

ADVANCED FUELS AND BIO FUELS I

08:30 Tailor-made next-generation biofuels: sustainable fuels for the mobility of the future, Dr. Florian Kremer, RWTH Aachen University
09:00 Overcoming limitations of current bio-gasoline and bio-diesel, Ronan Rocle, Global Bioenergies S.A.
09:30 Improved diesel fuel quality with premium biocomponent, Markus Honkanen, Neste Oil
10:00 Coffee break

ADVANCED FUELS AND BIO FUELS II

10:30 Alternative fuels, especially GTL, in a modern euro-VI heavy duty system, Hendrik Kofahl, Jürgen Lehmann, Dr. Olaf Röhl, Daimler AG
11:00 Investigation of alternative fuels on a HD diesel engine equipped with a variable valve actuation system, David Kovacs, Prof. Dr. Peter Eilts, Technical University Braunschweig
11:30 Renewable diesel from tall oil - forest full of new opportunities, Ville Vauhkonen, Sari Mannonen, UPM-Kymmene Corporation
12:00 Effect of HVO fuel in Volvo car engines and vehicles on emissions, cold start operability and durability, Monica Johansson, Lisa Jacobsson, Volvo Car Corporation, Tuukka Hartikka, Neste Oil
12:30 Lunch break

ADVANCED FUELS & ADDITIVES

14:00 Fuel requirements of future spark ignition engines, Prof. Gautam Kalghatgi, Saudi Aramco
14:30 The effect of fuel properties on knocking performance of boosted downsized engines, Masaharu Kassai, Taisuke Shiraishi, Atsushi Teraji, Nissan, Shaun Wakefield, Tor Kit Goh, David Doyle, Karsten Wilbrand, Masahiko Shibuya, Shell
15:00 Investigation of fuel and engine oil effect on abnormal combustion in turbocharged direct injection - spark ignition engines, Satoshi Hirano, Koichi Nakata, Minoru Yamashita, Kosuke Fujimoto, Katsuyoshi Kato, Toyota Motor Corporation
15:30 Benefits of fuel performance additive, Dr. Ludwig Vökel, BASF SE
16:00 Closing remarks, Dr. Philipp Adomeit, FEV GmbH
Registration
Advanced Fuels for Sustainable Mobility

Conference fee: EUR 1.095,-

The conference is not subject to value added tax. The fee covers all related documents to the event, lunch, beverages and the evening event.

Event ID: H070-11-133-4

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have to be submitted in writing including surname and first name, title, company address/billing address, department, phone number, fax, email and indicated event number. Registration confirmations and invoices will be sent by post. Please wire the conference fee under indication of the invoice number upon receipt of invoice.

After receiving your online-registration, an compulsory registration confirmation/invoice will be sent to you by post within 7 days.

In case of short notice registrations (within one week prior to the beginning of the event) you will receive the registration confirmation by email or fax.

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Exhibitors
For information about the exhibition conditions please contact:
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The Dorint Hotel Am Nürburgring (Hocheifel) offers a truly world-class location: In the background lies the wonderful landscape of the High Eifel region and right on its doorstep lies the final straight of the world-renowned race track – a dream comes true, not only for racing enthusiasts, but for those who enjoy the sounds and sights of beautiful scenery.