

IASH 2024 Poster Presentations

Cetane Improver Effectiveness in Semi-Synthetic Jet Fuels and Relevance of Cetane Number in Aeronautical Combustion

co-presented by Nathalie Brassart, IFPEN and Mickaël Sicard, ONERA

Defining Qualification Requirements for Renewable Diesel Fuels

presented by David Evans, Defence Science & Technology Group

Determination of Trace Metals in Aviation Turbine Fuel via ICP-MS

presented by Amanda M. Arts, US Air Force/University of Dayton Research Institute

Development of Biocides for Mitigation of Microbial Fuel Contamination

presented by Amanda Barry- Schroeder, University of Dayton Research Institute

Effect of Chemical Composition on Freeze Point of Hydrocarbon Mixtures

presented by David Bell, Washington State University

Experimental Quantification of the Hydroperoxide Content in Surrogate Jet-Fuels on HPLC Device

presented by Pierre-Alexander Glaude, CNRS-LRGP

Fuel Problems Explained with Humor – Informative Bulletins

presented by Moshe Rabaev, Independent Specialist

Insights Into Scaling Up HEFA-SPK Production

presented by Jesse Vilja, Neste Corporation

Investigating the Survival and Growth of Microorganisms in Microcosms Simulating Temperature Cycling in Aircraft Fuel Tanks

presented by Gareth Williams, ECHA Microbiology

Mobile Desulfurization of High Sulfur Jet Fuels

presented by Lindsay Davis, University of Dayton Research Institute

Performance and Storage Stability of Renewable Fuels with Static Dissipative Additive

presented by Sankaran Murugesan, Baker Hughes

Prediction of Hydrocarbons Ignition Performances Using Machine Learning

presented by Giacomo Flora, University of Dayton Research Institute

Reducing Emissions with Diesel Detergent Additives: insights from ISO8178 Test Cycles
presented by Oliver Rumford-Warr, Fuelcare Ltd

*Update to the Development of a Shipboard Test Kit for Dissolved Copper in a Jet Fuel
Prototype Field Test Kit*
presented by Kristina Myers, Nova Research, Inc.

*Use of Sheep Myeloid Antimicrobial Peptide (SMAP-18) and Siderophore Pyochelin for
Mitigation of Aerospace Fuel-Degrading Microbes*
presented by Amanda Barry- Schroeder, University of Dayton Research Institute

World Jet Fuel Survey
presented by Zachary West, University of Dayton Research Institute