

Posters 2

Melis Kirarslan	Direct activation of CO ₂ to liquid fuels in Fischer-Tropsch Synthesis over iron catalyst
Raphael Märkl	Contrail ice crystal reductions of large passenger aircraft burning 100% sustainable aviation fuel
David Metzger	Efficient additive manufacturing reactor concept for the production of e-fuels: From 500 g of metal powder to 500 g of Fischer-Tropsch product
Leonard Moser	CIRCULAIR – Coupling of advanced biofuel production via hydrothermal liquefaction with PtX and green hydrogen
Gregor Neumann	Investigating Non-CO ₂ effects from hydrogen engines: Overview and first impressions of the Blue Condor experiments
Gunnar Quante	Techno-economic analysis of a smart use of low-soot aviation fuels – options and cost
Alexander Rabl	Experimental investigation of soot emissions of oxygenated fuel blends in a small aero engine
Lennart Rieger	Modeling and analysis of the regional production potential of sustainable aviation fuel in Bavaria
Kai Risthaus	Photonic synthetic gas production as a feedstock for aviation fuels
Marius Rohkamp	Detailed gaseous and particulate emissions of an Allison 250-C20B turboshaft engine

Posters 2

Andreas Rosenstiel	Cost Optimal Design of Solar E-Methanol Production Powered by CSP/PV Hybrid Power Plants
Jonas Schmidt	In situ measurements of contrail ice crystals of a modern passenger airplane burning sustainable aviation fuels
Moaaz Shehab	The influence of biomass characteristics and their uncertainties on the production of sustainable aviation fuel
Enrico Sireci	Computational investigation of the Co-support interfaces on γ-Al₂O₃, SiO₂ and TiO₂
Mahima Santhoshi Sivvarapu	eXplore: A decentralized modular plant for Fischer Tropsch synthesis and upgrading to eKerosene for field demonstration in H2Mare
Estefania Vega Purga	Solar fuel production via thermochemical cycles: Process and receiver-reactor technology
Ferdinand Vogelgsang	SynergyFuels – An integrated refinery concept for the production of SAFs
Steffen Voß	Processing biogenically produced intermediates to jet fuel - Technical comparison
Dan Zhao	Revealing the deactivation mechanisms of Co-based catalysts in Fischer-Tropsch synthesis by operando X-ray absorption spectroscopy