

Fortum Foundation Grants 2021

Ahmad Zeeshan

Efficient use of renewable fuels into off-road heavy-duty diesel engines

Akulenko Elena

Doctoral Candidate

Dahal Roshi

Fractionation and purification of pyrolysis oil obtained from co-pyrolysis of biomass and waste

González Carmona Eva

Development of Cellulose Films by means of the Ioncell® technology

Haghifam Sara

A Market-based solution for the Sector Coupling and P2X2P Enabling in Future Flexible Energy Systems

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Haider Syed Ejaz

Ph.D. Doctoral Researcher

Huang Jiangyi

Understanding energy market designs by an efficient bilevel optimisation approach

Jambrina Gomez Ana

SMR safety analysis and design framework

Kaka Khel Taimoor Ahmad

A comprehensive catalytic study for the production of diesel range cycloalkanes from biomass-derived molecules

Kalidas Nathiya

Biomass derived carbon enhanced silicon anode for Li-ion battery

Kallio Antti-Jussi

Novel operando methods for studies of electro- and heterogeneous catalysis

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Kattelus Joakim

A combined experimental and density functional theory study of reactive adsorption of methanol, on potential heterogenous CO₂ hydrogenation catalysts

Kroyan Yuri

Modeling the end-use performance of renewable fuels on the current and future fleet of light-duty vehicles – enhancing the sustainability and circular economy in the transportation sector

Laitinen Markus

Methanol as an energy carrier for future transportation via Carbon Capture Utilization and Power-to-X

Lopes da Silva Felipe

In situ and operando spectroscopy in the development of clear-air-catalyst materials

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Madadi Milad

Litiumioniakkujen elektrodien ohutkalvopäällystys atomi- ja molekyylikerroskasvatuksella (ALD/MLD)

Mousavi Seyede Maryam

Ph.D. student

Pakkanen Noora

Radionuclide transport with colloids in Fractured rock

Pal Pallavi

Russian nuclear energy diplomacy vis-a-vis India: The Kudankulam Nuclear Power Plant 1&2 agreement (1979-2016)

Palacios-Villareal Cassandra

From wastewater to resource: microalgae-based add-value products from urban and renewable fuels refinery wastewater

Ramu Prabudeva

Next generation high-efficiency thin-film solar cells

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Sailaranta Tatu

Poland's road to opt-out from the European Green deal – Synergy and conflict between the Polish energy policy and EU's Emission trading scheme

Sankelo Paula

Inclusion of building carbon footprint to life-cycle cost optimality assessment

Schmidt Christoph

Transient studies of catalytic three-phase processes: oxidation of molecules from biomass

Seefried Sarah

Bismuth compounds as Lewis acids in Frustrated Lewis Pair chemistry

Siitonen Petteri

Kotitalouksien kysyntäjousto: kuluttajien näkökulmien ja mieltymysten vaikutus kysyntäjousto-ohjelmien suunnitteluun

Tanweer Sadia

Mesoionic Carbene Complexes of Manganese for Hydrogenation of CO₂ and Unsaturated Carbohydrates

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Vuorte Maisa

Adsorption of impurities in bio-based oils for oil purification

Välimäki Emmi

Catalytic conversion of methane to carbon and hydrogen

Wojcieszuk Michal

Research on renewable drop-in fuels for transport applications aiming at reduced greenhouse gas emissions, optimized end-use performance and improved energy security

Yeganeh Maryam

Optical Measurements of Hydrogen and Methane Gas Jet for Energy Conversion Research