

# Fortum Foundation Grants 2020

## Ahmad Zeeshan

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

## Anttola Elina

Lisää tehoa korkean hyötysuhteen III-V-moniliitosaurinkokennoihin etumetallikontaktien optimoinnilla

## Dahal Roshi

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

## Elberry Ahmed

Master's student

## Ghazy Amr

Upconverting lanthanide based thin-films deposited by ALD for enhancing solar cell performance

# Fortum and Neste Foundation Grants 2020

## Gontijo da Silva Flavia

Designer plasmonic-catalytic nanoparticles as sustainable catalysts for the oxygen reduction reaction

## Guillen Mandujano Georgina

Gamifying sustainable consumption. Enabling long-lasting effects for consumers and households

## Heliövaara Eeva

Kullan liotus orgaanisiin liuottimiin – Ligandinvaihtoreaktioiden hyödyntäminen arvometallien kiertotaloudessa

## Hietanen Lotta

Comparative analysis of renewable energy policy schemes of Finland

## Jambrina Gomez Ana

SMR safety analysis and design framework

# Fortum and Neste Foundation Grants 2020

## Jambrina Gomez Ana

SMR Safety Analysis and Design Framework

## Kallio-Myers Viivi

A hybrid weather satellite – weather model forecasting system for surface solar radiation over Fennoscandia

## 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

## Kumar Haresh

Doctoral student

## Laukkanen Matti

Forest bioenergy, carbon sequestration and economics of climate change

## Lopardo Gianluigi

Completion of Master's Thesis

# Fortum and Neste Foundation Grants 2020

## Moriam Kaniz

Functionalization of man-made cellulose fibers produced via the Lyocell process

## Peltonen Jussi

Development and application of fuel performance models in the multi-physics analysis of small modular district heating reactors

## Peltonen Lasse

Research funding for the dissertation

## Ramakrishna Jogi

An integrated process for the production of green aviation fuel range cycloalkanes through hydrothermal liquefaction of lignocellulosic biomass

## Ramu Prabudeva

Ultrathin, light and flexible solar cells for advanced energy solutions

## Schmidt Christoph

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

# Fortum and Neste Foundation Grants 2020

## Seefried Sarah

Novel bismuth-based frustrated lewis pairs for the activation of small molecules and their potential as catalysts

## Sugano Junko

Analysis of gene expression of lignocellulose enzymes by co-cultured basidiomycetes for utilization of woody biomass

## Tuomela Sanna

Käyttäjälähtöinen, arvoperustainen energiayhteisö. Väitöstudkimus.

## Wilson Nora

Charge carrier dynamics at interfaces in organic semiconductor blends

## Wojcieszuk Michal

Research on renewable drop-in fuels for marine and heavy-duty transport applications

## Vuerte Maisa

Adsorption of impurities in bio-based oils for oil purification

## Välimäki Emmi

Catalytic conversion of methane to carbon and hydrogen