

Scholarships 2018

Matias Berg

Rinnakkain kytkettyjen verkon muodostavien vaihtosuuntaajien dynamiikka

Bela Bhuskute

Harnessing visible light photons for solar fuel generation: Scalable Artificial Leaf approach

Ding Chao

Demand response experiments – nudge into action

Eemeli Eronen

Muovijätteestä hydrotermisellä nesteytyksellä valmistettujen öljyjen koostumuksen tutkimus korkean erotuskyvyn massaspektrometrialla

Christian Giovanelli

Aggregating smart loads to participate in frequency containment reserves

José Luis Gonzáles Escobedo

Hydrodeoxygenation catalysts for advanced bifofuels

Scholarships 2018

Ashish Gulagi

Transition pathways towards a low cost fully sustainable energy system for India with integration of the industrial sector

Ondrej Haluska

Plant-based nanostructured silicon carbide for demanding applications

Iftikhar Haider

Large-area dye-sensitized solar cells with novel material composites

Jogi Ramakrishna

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

Martina Jokel

UV-screen active compounds from nordic microalgae

Riikka Juhola

Teollisuuden sivuvirtojen ja biomassojen hyödyntäminen vedenpuhdistuskemikaaleina

Scholarships 2018

Viivi Kallio

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

Lokesh Kesavan

Recycling CO₂ to fuels via electro-catalytic reduction using size & shape controlled metal alloy nanoparticles/catalyst materials

Tahamina Kahanam

Climate change modelling on the carbon footprint, sustainable forest carbon management and preferred taxation pattern in the Nordic bioeconomy

Lucas Lagerquist

Structural characterization and modifications of novel lignings isolated from biorefineries

Jukka Lappalainen

Developing hydrothermal process to convert black liquor into high-quality transportation fuel

Roni Luhtala

Älykäs tehoelektroniikka: reaaliaikaisesti sähköverkon olosuhteisiin sopeutuva säätöjärjestelmä

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Madhu Paudyal

Formation of perovskite layers for the fabrication of solar cell with characterization using spectroscopic methods and introduction of polymer layer for the protection of stability of perovskite

Arunas Mesceriakovas

Production of Si-doped carbon nanostructures for lithium and beyond lithium ion batteries

Samppa Mäkelä

Modelling hydrogeothermal energy potential in Finland

Ville Nikkanen

Novel absorbents enabling demand side management

Sami Ollikkala

Röntgenspektroskopiset menetelmät ja niiden kehittäminen energian varastointimateriaalien sekä katalyyttimateriaalien tutkimuksessa

Anna Pääkkönen

Potential of biomass in increasing the flexibility of energy systems

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Markus Rauhalahi

Computational design of molecular catalysts for small molecule activation and enantioselective catalysis

Jouni Rissanen

Utilization of biomass fly ash from fluidized bed combustion as cement replacement material

Matti Roitto

Fuel for commercial politics – the nucleus of early commercial proliferation of atomic energy in three acts

Annu Rusanen

Sahanpurun katalyyttinen muuntaminen korkean lisäarvon tuotteiksi

Antti Ruuskanen

Tuulivoima jäätävissä olosuhteissa – ilmakehän pienhiukkasten vaikutus pilvijäätämisen voimakkuuteen

Ville Sahlberg

Deterministic neutronics tools for modelling advanced reactor concepts

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Jagadish Salunke

Low-cost, high performance and stable perovskite solar cells

Junko Sugano

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

Milla Suominen

Electroactive composite materials for sustainable energy applications

Jussi Valta

Mechanisms of emergence and governance of microgrids under institutional path dependence

Maisa Vuorte

Adsorption of impurities in bio-based oils for oil purification

Yongchao Zhang

Integrated catalytic fractionation of lignocellulose into soluble lignin-derived oligomer and processable carbohydrate pulps

Peter Zorve

Highly efficient OLED lighting based on rotating molecules