

Scholarships 2015

Jarno Alahuhtala

”Developing a three-level four-wire AC-DC-AC converter

Chen Lihuizi

”Business Potentialities of Municipal Solid Waste Management in the Context of Urbanization and Globalization”

Das Gaurav

” Synthesis and characterization of zeolite catalyst from waste coal flyash for tailored application in biorefining and process water cleaning: An innovative approach towards a cleaner circular economy”

Aleksi Eronen

”Light assisted water splitting – how to store energy in hydrogen”

Adriana Freitas

” Mikrovågsassisterad epoxidering av oljor: en ny reaktionsväg till biosmörjmedel och kemiska intermediärer”

Gulagi Ashish

” Pathways towards a low cost fully sustainable energy supply for the SAARC region with a special focus on India”

Scholarships 2015

Johanna Hakonen

” Lignin Catalytic Valorisation by Depolymerisation with Hydrogen”

Ilkka Hannula

” Policy implications of learning on the future cost of sustainable transportation fuels”

Haq Hafiz Muhammad Kamran UI

” Simulation and practical approach to store geothermal energy”

Hashmi Syed Farhan

” Conversion of lignin to higher value products through lignin depolymerization”

Arto Hiltunen

” Nanorakenteiset selluloosamuotit valokemiallisessa vedyntuotannossa

Hannu Huuki

” Vaihtoehtoisten markkinamekanismien toiminta peer-to-peer sähkömarkkinoilla”

Kashyap Neelabh

“Novel algorithms for incorporating phasor measurements units in power system state estimation for monitoring smart grids”

Scholarships 2015

Laura Kauria

“Optimization of solar energy production on a global scale”

Miriam Kellock

” Analysis of the rate limiting steps in the high solid enzymatic hydrolysis: effect on lignin and enzyme structure”

Tahamina Khanam

“Is biofuel substituting fossil fuel? –modeling on structural shifts, trade and efficiency of European forest based bioeconomy”

Mariia Kozlova

” Renewable energy investment profile in Russia”

Heini Käyhty

” Ison tuuliturbiinin generaattorin rakenteen optimisuunnittelu”

Jussi Lahtinen

“Mallintarkastuksen käyttö laajojen ydinvoimaloiden turva-automaatiojärjestelmien verifiointissa”

Jean-Nicolas Louis

*“Sustainability assessment of smart buildings in the framework of a fully deployed smart grid network –
A dynamic sustainability index to raise consumers’ awareness”*

Scholarships 2015

Henri Loukusa

” Modeling of chemical and physical interactions in nuclear fuel”

Leena Malinen

“Fotokatalyyttisen metallioksidimateriaalin kehittäminen ydinvoimaloiden jätevesien sisältämien orgaanisten yhdisteiden hajottamiseksi ja radioaktiivisen koboltin poistamiseksi”

Mohamed Mohamed Magdeldin Abdelwahed

” The development & design of a pilot scale reactor system for SuperCritical water gasification, SCWG of biomass, a black liquor feedstock case study”

Ali Najarnehad mashhadi

” Development of new structured catalyst and reactor technologies for biomass conversion”

Ville Pihlajaniemi

“Choice of process for pretreatment and enzymatic hydrolysis of lignocellulose materials by modeling yield response to physicochemical factors”

Salla Puupponen

“Novel nano- and micromaterials for efficient thermal energy storage systems”

Scholarships 2015

Milla Salmela

” Lignoselluloosan purkaminen valon avulla”

Clara Sánchez Pérez

“Preparation, structures and bonding of catenated polychalcogenides: Impact on catalysis, photovoltaic devices and oil field industry

Laura Schneider

” Mechanocatalytic approach to fractionation of lignocellulosic biomass”

Teija Seitola

” Renewable energy production in light of decadal climate variability”

Elena Semina

“Nanostructured oxygen carriers for chemical looping processes from first principles calculations”

Iiro Sipilä

“Energiapaalujen käytettävyysselvitys pientalolle”

Scholarships 2015

Elina Tampio

” Optimization of anaerobic digestion and digestate quality of nitrogen-rich waste materials”

Juha Teirilä

“Kapasiteettimarkkinat”

Petri Tervasmäki

” Hydrodynaamisten olosuhteiden vaihtelu lignoselluloosabiomassan hydrolyysissä”

Jouni Touronen

” Raskaan pohjaöljyn sakkautumisen mallintaminen vetykäsittelyprosesseissa”

Tino Tuominen

“Metanolin palamistekniikka raskaan kaluston moottoreissa”

Mikko Wahlroos

“Smart low-carbon district heat systems supporting the energy system transition”

Sampsa Vierros

“Surfactant based separation”

Scholarships 2015

Jukka Viinamäki

“Tehoelektroniikkalaitteiden passiivikomponenttien optimointi aurinkosähköjärjestelmässä”

Tommi Yu

“From strategic planning and micro-control towards the establishment of legal regime for the energy sector in the Peoples Republic of China”

Zhao Qing

“Isolation of extractives and other subernic compounds from bark of short rotation wood species through slow pyrolysis and solvent extraction”