

# Scholarships 2016

## **Behrang Alimohammadisagvand**

*"Influence of demand response actions on energy consumption and energy cost for residential houses in Finland"*

## **Suvisanna Correia**

*"Sähkönkysyntä ja sähköntuotantokapasiteetin laajentaminen kehitysmaiden kyläyhteisöissä – energiasuunnittelumallien käyttö kehitysmaiden energiasektorin kehittämisen tukena"*

## **Rickard Erlund**

*" Seasonal thermal storage of energy by sorption of water in Magnesium (hydro) Carbonates"*

## **Aleksi Eronen**

*"Light assisted water splitting – how to store energy in hydrogen"*

## **Wuraola Falana**

*"Influence of psychological constructs of marketing on energy (electricity) saving behavior in households: Development of a Marketing Framework to Influence Electricity Saving Behaviour in Households"*

## **Adriana Freitas**

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

# Scholarships 2016

## **Gulagi Ashish**

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

## **Johanna Hakonen**

*” Lignin Catalytic Valorisation by Depolymerisation with Hydrogen”*

## **Anni Hartikainen**

*” Konferenssimatka European Aerosol Conference 2016 (Tour Ranska), 4.-9.9.2016”*

## **Kristo Helin**

*” Heating system future scenarios in the Baltic Sea area: Technology configurations for high VRES electricity markets”*

## **Kaisa Huhta**

*” Apuraha tutkimustyön kansainvälistymistä edistävään ulkomaiseen tuktimusjaksoon”*

## **Timo Ikonen**

*” Quartz sand based composite materials as the next generation Li-ion battery anode”*

## **Salla Jaatinen**

*” Novel catalysts for reactions of furfurals”*

# Scholarships 2016

## **Jaakko Jägerroos**

*“Energia- ja exergiatarkastelu vaihtoehtoiselle vedyntuotannolle metaanista”*

## **Tiina Keipi**

*” Metaanista korkeamman jalostusasteen tuotteita: Teknillinen ja taloudellinen tarkastelu”*

## **Miriam Kellock**

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

## **Jyri Kivimäki**

*” Pätötehon säätö verkkoon kytketyissä aurinkosähköjärjestelmissä”*

## **Kirsi Kotilainen**

*” Understanding prosumer role in smart grid innovation ecosystem”*

## **Mariia Kozlova**

*“Renewable Energy Investment Profile in Russia”*

## **Hannu Laine**

*“Piiaurinkokennojen kustannustehokkuuden parantaminen mikro- ja nanotason metalliepäpuhtauksia hallitsemalla”*

# Scholarships 2016

## **Henri Loukusa**

*” Modeling of chemical and physical interactions in nuclear fuel”*

## **Roland Magnusson**

*”Päällekkäisten energia- ja ilmastopolitiikan ohjauskeinojen vaikutus sähköntuotannon dekarbonisaatioon”*

## **Teemu Meriläinen**

*” Uuden teknologian käyttöönotto ja kotitalouksien rooli muuttuvassa sähköjärjestelmässä”*

## **Mohamed Mohamed Magdeldin Abdelwahed**

*” The development & design of a pilot scale reactor system for SuperCritical water refining, SCWR of wood based residue streams”*

## **Muddassar Hassan Raja**

*” Green technology for refining black liquor and waste streams into biofuels and energy”*

## **Mikael Männistö**

*”Phase equilibria of aqueous bio-component mixtures with different solvents for the design of an liquid-liquid extraction unit”*

## **Ali Najarnehad mashhadi**

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

# Scholarships 2016

## **Evgeny Nefedov**

*“Collaborative intelligent batteries in decentralized energy systems”*

## **Oyetade Oyewunmi**

*” Maakasu ja sähköntuotanto Nigeriassa ja Euroopan unionissa: Vertaileva tutkimus eri säätelymallien välillä”*

## **Pandian Santhosh Kumar**

*” Preparation and characterization of titanium based thin film coating by DC magnetron sputtering process”*

## **Salla Puupponen**

*“Novel materials for efficient thermal energy storages”*

## **Meri-Katriina Pyhäranta**

*“Landholders’ rights in sustainable development of shale gas production in the European Union”*

## **Qureshi Muhammad Saad**

*” Thermodynamics of biofuels derived from lignocellulosic biomass”*

## **Jarno Reuna**

*“Multijunction solar cell’s (III-IV) antireflective (AR) coating”*

# Scholarships 2016

## **Milla Salmela**

*"Lignoselluloosan purkamisen valon avulla"*

## **Clara Sánchez Pérez**

*"Preparation, Structures and Bonding of Catenated Pylchalcogenides and Transition Metal Chalcogenides: Electronic applications and Photovoltaic Devices. A research plan. "*

## **Laura Schneider**

*"Mechanocatalytic approach to fractionation of lignocellulosic biomass"*

## **Teija Seitola**

*"An evaluation of modelling inter-annual to multi-decadal climate variability in CMIP5 climate models"*

## **Elena Semina**

*"Nanostructured oxygen carriers for chemical looping processes from first principles calculations"*

## **Siddiqui Bashir Ahmed**

*"A Novel Concept of Secondary Substation Monitoring for Smart Grids"*

## **Kanerva Sunila**

*"Electricity Market Legislation in the Light of Climate Law and Its Ultimate Targets"*

## **Riku Tuominen**

*"Multi-physics modeling of small modular reactors"*

# Scholarships 2016

## **Minnea Tuomisto**

*” Luminoivat materiaalit ja perovskiidit aurinkoenergian hyödyntämisessä”*

## **Mikko Wahlroos**

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

## **Ville Valtavirta**

*”Methods for multi-physics calculations with state-of-the-art Monte Carlo neutronics”*

## **Nianxing Wang**

*”The electrochemical study of viologen as energy storage material in organic redox flow battery”*

## **Olli Vilppo**

*”Sähköisen liikenteen, akkujen ja kysynnän jouston teknis-taloudellinen mallintaminen ja kannattavuuden analysointi”*

## **Yewale Rahul Balu**

*”Highly doped and high surface area composite materials for supercapacitors”*

## **Tommi Yu**

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