Poster sessions

11:25 – 12:00 **15:20 – 16:20**	***Lounge*** ***Prize evaluation panel*: Researcher Astri Bjørnetun Haugen, Development Engineer Carsten Brorson Prag and Researcher David Aili**	
	Ahsanul Kabir, Microstructural forging of electromechanically active bulk ceria	*Melania Rogowska,* In situ structural characterization of multilayer formation during large-scale processing of 3rd generation solar cells
	Alexandr Kovrov, Acrylic adhesives for organic solar cells encapsulation	*Merlin von Soosten,* Nanoscale devices and low temperature transport properties at the γ-Al_2O_3/$SrTiO_3$ interface
	Alexander Reumert, Development of porous electrodes for alkaline electrolyzers - an overview	*Martina Trini,* Experimental characterization and phase field model-ling of Ni/YSZ electrode microstructure evolution in solid oxide cells
	Anastasiia Karabanova, Thermochemical energy storage	*Massimo Rosa,* Conversion of nano-suspensions produced by hydrothermal synthesis into nano-inks for inkjet printing
	Christian Søndergaard Pedersen, Transition-metal oxides for memristive switching	*Monica-Elisabeta Lacatusu,* Neutron imaging of fuel cells
	Cui Jin, A study of the effect of thickness on the morphology in Ni_8W/$Ni_{12}W$/Ni_8W substrates	*Na Xu,* Oxidation behavior of Ni-Fe support for metal supported SOFCs
	Daniel Bøgh Drasbæk, Screening the electrochemical activity of transition metal nanoparticles for SOFC anode infiltration	*Nicolai Rask Mathiesen,* Charge transport in alkali superoxides
	Giovanni Fevola, Coherent diffractive imaging in McXtrace	*Simone Santucci,* GIANT-E: highly defective oxides – the next generation of electromechanical materials
	Hendrik Langnickel, Operation of real landfill gas fueled solid oxide fuel cell (SOFC) using internal dry reforming	*Sofie Colding-Jørgensen,* 3D electron microscopy of nanostructures in energy materials
	Hjalte Jacobsen, Sintering of inhomogeneous ceramic tablets	*Tiantian Wu,* Gd doped ceria for water splitting
	Huixia Xu, Construction of atomic mobility database for fcc phase in the Ag-Cu-Sn-Sb-Bi-Pb solder system	*Uzma Hira,* Microstructural control of high-temperature thermoelectric Perovskite oxides for efficient energy harvesting
	Ilaria Ritucci, Study of the crystallization process of a barium-free glass-ceramic sealant for SOFC/SOEC	*Xiaofeng Tong,* Novel cobalt free oxygen electrodes for solid oxide electrolysis cells
	Jessica Lefevr, In-situ Raman study of polysulfide formation in lithium-sulfur batteries	*Xiaoqing Si,* Fabrication of 3D Ni nanosheet array on Crofer 22 APU interconnect and NiO-YSZ anode-support to sinter with small-size Ag nanoparticles for low-temperature sealing SOFCs
	Jonas Lehmann, Enzyme immobilization on inorganic surfaces	*Yang Li,* Fabrication and electrical properties of advanced thin film materials for resistive switching memories
	Kosova Kreka, The impact of strong cathodic polarization on Ni|YSZ microelectrodes	*Yu Zhang,* Tuning the two-dimensional electron gas at oxide interfaces with Ti-O configurations
	Lev Martinez Aguilera, Dual-phase materials for oxygen transport membranes	*Yulin Gan,* Tuning the ground state of polar oxide interfaces by an electron sink