

Poster list	Name	Affiliation
<b>Group 1 - Flow battery operations, management and control</b>		
Power density improvement through modification of carbon fibre catalyst	Qinghua Liu	National Institute of Clean-and-Low-Carbon Energy Beijing
Cascading electrolyte storage	Younghoon Rhie	Doosan Heavy Industries & Construction
Detection of blockage in a vanadium flow battery cell stack based on frequency response	Yifeng Li	UNSW, Sydney, Australia
State-of-charge monitoring for redox flow batteries with symmetric open-circuit cells	Christian Stolze	Friedrich Schiller University
Quality control of flow battery stacks with a fully automated test stand	Daniel Manschke	Volterion GmbH
<b>Group 2 - Bromine based systems</b>		
Open-circuit potential prediction and its applications in modelling and simulation of hydrogen-bromine redox flow batteries.	Jakub Wlodarczyk	Zurich University of Applied Sciences (ZHAW),
Optimization of a H <sub>2</sub> /Br <sub>2</sub> flow battery	Brenda Berenice Martinez Cantu	Fraunhofer ICT
Stepwise potentiometric titration applied to bromine-bromide electrolytes	Mattia Duranti	Center for Materials and Microsystems, Fondazione Bruno Kessler
Fabrication and characterization of novel anion exchange blend membranes based on tetra aryl phosphonium ionomer	Muthumeenal Sundarapandian	Qatar Energy and Environment Research Institute
A highly active carbon-based electrode by intercalating potassium	Youngkwon Kim	Korea Electronics Technology Institute
<b>Group 3 - Case studies and applications</b>		
Flow batteries for the climate of the MENA region	Issam Amr	Saudi Aramco, Dhahran,
Variance of electrochemically active sulfur area - scaling factors of flow battery cells with internal flow fields	Jan Girschik	Fraunhofer UMSICHT
Micro-grid system with all-vanadium flow battery and wind turbine	Michael Schäffer	Fraunhofer ICT
<b>Group 4 - Domestic scale and domestic applications</b>		
Development of a high energy density zinc/polyiodide redox flow battery	Lukas Siefert	University Duisburg-Essen
<b>Group 5 - Feasibility studies</b>		
A low-cost zinc iodine-bromide flow battery with high efficiency and low self-discharge rate	Zengyue Wang	The Chinese University of Hong Kong

## Poster list

### Group 6 - Non conventional electrode

Flow field development for zinc air redox flow battery	Nak Heon Choi	Fraunhofer ICT
Optimization of the zinc slurry electrode in Zn-air RFBs: a modelling approach	Diego del Olmo Diaz	University of Chemistry and Technology, Prague
A high-energy-density solid-flow battery	Zengyue Wang	The Chinese University of Hong Kong
Evaluation of the mass transport phenomena in flow-through electrodes with controlled geometries and arrangements	Noemí Aguiló-Aguayo	Research Institute of Textile Chemistry and Textile Physics, University of Innsbruck
Fabrication of efficient carbon-loaded nanofibrous electrode for vanadium redox flow battery	Mahboubeh Maleki	Freie Universität Berlin
Development of solar light rechargeable flow-cells	Claudia Weidlich	DECHEMA-Forschungsinstitut, Karlsruhe Institute of Technology
Highly conductive graphite based felt electrodes for vanadium flow batteries	Jessica Pfisterer	Karlsruhe Institute of Technology

### Group 7 - Organic and ionic liquid electrolytes

A multicomponent diffusion model for organic redox flow battery membranes	Gaël Mourouga	ZHAW
Computational screening of electrochemical properties of biological quinones for use in RFB technology	Sebastian Kristensen	Aalborg University
A new benzothiazole based anolyte material for flow batteries.	Philip Rohland	Friedrich Schiller University

### Group 8 - Thermal or electrical control and management

Online state of charge monitoring of vanadium flow battery using electrolyte viscosity	Xiangrong Li	Institute of Metal Research, Chinese Academy of Sciences
Stability of vanadium flow battery SoC monitoring methods using electrolyte potential and density	Peter Kuhn	Hamburg University of Applied Sciences

### Group 9 - Vanadium based systems

Optimization study of embossed flow field structures on thin and flexible bipolar plates for an all vanadium flow battery	Alexander Kubicka	Technische Universität Clausthal
Sensitivity analysis of designing mathematical model of vanadium flow battery stack	Jan Dundálek	University of Chemistry and Technology Prague
Optimization of serpentine flow channels in the vanadium flow battery through variation of channel density	Ian Lin	Sumitomo Electric Industries, Ltd

## Poster list

## Group 9 - Vanadium based systems continued

Low-cost nano-polyelectrolyte-separators for selective and efficient ion-transport in redox-flow batteries	David Vonlanthen	Electrochemistry Laboratory, Paul Scherrer Institut
Temporal evolution and manipulation of the charge transfer resistance of the V (II)/V (III) and the V (IV)/V (V) reaction on carbon electrodes	Tobias Greese	Bavarian Center for Applied Energy Research
Factors leading to improvement of Vanadium Redox Flow Battery performance with thermally treated carbon paper electrodes	Nataliya Gvozdk	Skolkovo Institute of Science and Technology
Investigation of flow distribution of electrolyte by pH tracing test	Purna Chandra Ghimire	Nanyang Technological University
State of charge monitoring in vanadium flow battery	Hyunjoon Ji	Dechema-Forschungsinstitut,
Statistical evaluation of measurement within the research of redox flow batteries at lab-scale	Jiří Vrána	Pinflow energy storage
Comprehensive study of vanadium redox flow battery negative felt electrode deactivation	Jindrich Mrlik	University of Chemistry and Technology Prague,
Deconvolution of electrochemical impedance data for the monitoring of electrode degradation in VRFB	Jonathan Schneider	Freie Universität Berlin