

Poster list	Name	Affiliation
Group 1 - Flow battery operations, management and control		
Power density improvement through modification of carbon fibre catalyst	Qinghua Liu	National Institute of Clean-and-Low-Carbon Energy Beijing
A calibration-free, temperature-independent, amperometric state-of-charge monitoring for aqueous and non-aqueous electrolytes	Christian Stolze	Friedrich Schiller University
Quality control of flow battery stacks with a fully automated test stand	Daniel Manschke	Volterion GmbH
Group 2 - Bromine based systems		
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 ₂ /Br ₂ 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
Group 3 - Case studies and applications		
Flow batteries for the climate of the MENA region	Issam Amr	Saudi Aramco, Dhahran,
Variance of electrochemically active surface 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
Group 4 - Domestic scale and domestic applications		
Development of a high energy density zinc/polyiodide redox flow battery	Lukas Siefert	University Duisburg-Essen
Group 5 - Feasibility studies		
A low-cost zinc iodine-bromide flow battery with high efficiency and low self-discharge rate	Zengyue Wang	The Chinese University of Hong Kong
Open source battery models for grid applications (open BEA)	Petr Dotzauer	Zae-Bayern
Development of novel flow batteries for energy storage applications	Ashkan Kavei	Imperial College London (RFC Power)
Group 6 – Non-conventional electrode		

Poster list

Group 6 – Non-conventional electrode continued..

Flow field development for zinc air redox flow battery	Nak Heon Choi	Fraunhofer ICT
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
Development of solar light rechargeable flow-cells	Claudia Weidlich	DECHEMA-Forschungsinstitut,
Highly conductive graphite based felt electrodes for vanadium flow batteries	Jessica Pfisterer	Karlsruhe Institute of Technology
Development of electrospun sulfonated poly(ether ether ketone)/poly(vinylidene fluoride) composite membrane for hydrogen-bromine flow battery	Sanaz Abassi	Elestor B.V.
Carbon nanofibers as electrodes for vanadium redox couples electrochemistry	Matthew Etienne	Université de Lorraine

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

Group 8 - Thermal or electrical control and management

Stability of vanadium flow battery SoC monitoring methods using electrolyte potential and density	Peter Kuhn	Hamburg University of Applied Sciences
Thermal modelling of VRFB	Massimo Guarnieri	University of Padua

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
Factors leading to improvement of vanadium redox flow battery performance with thermally treated carbon paper electrodes	Nataliya Gvozdik	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

Poster list

Group 9 - Vanadium based systems continued

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
30 μm thin hexamethyl- <i>p</i> -terphenyl poly(benzimidazolium) anion exchange membrane for vanadium redox flow batteries	Brian Shanahan	IMTEK