

The International Flow Battery Forum- 2010

CONFERENCE PROGRAMME

Tuesday 15 June

Time	Speaker	Affiliation	Title
1000	Anthony Price	IFBF	Introduction
Session Chair: Dr. David Hodgson			
1010	Prof Maria Skyllas-Kazacos	University of New South Wales, Australia	Recent Advances with Vanadium based Redox Flow Batteries
1050	Prof Frank Walsh	University Southampton, UK	Progress & Challenges in the Development of Flow Battery Technology
1120	Prof Huamin Zhang	Dalian Institute of Chemical Physics, P.R. China	The Redox Flow Battery for Energy Storage and its Future Applications
1150	Questions & Discussion		
1200	LUNCH		
Session Chair: Anthony Price			
1315	Alfred Hirschvogel	SGL Carbon GmbH	Polymer filled expanded graphite: an advanced bipolar plate material for redox flow batteries
1340	Terrance Perles	TTP Squared, Inc	The Vanadium Supply Chain
1400	Len Berlouis	University of Strathclyde	Carbon materials for the negative electrode in the Zn-Ce redox flow cell
1420	Tom Smolinka	Fraunhofer Institute, Germany	Redox flow batteries - electricity storage systems for renewable energy
1440	Questions & Discussion		
1450	REFRESHMENTS		
Session Chair: Prof Frank Walsh			
1510	Rick Winter	Primus Power, USA	The metamorphosis of flow batteries from zinc and chrome to iron systems
1530	Dr Ian Whyte	Potential Reactions Ltd, UK	The design and construction of large scale redox flow battery systems
1550	Chris Winter	Redflow Technologies Ltd, Australia	Zinc-bromine batteries - reducing the cost of electricity infrastructure
1610	Dr Martha Schreiber	Cellstrom GmbH, Austria	Practical and commercial issues in the design and manufacture of flow batteries
1630	Question & Discussion		
1700	Guided Visit of renewable energy and flow battery installation		
1800	End of day 1		

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Time	Speaker	Affiliation	Title
Session Chair: Prof Maria Skyllas-Kazacos			
0845	Markus Mager	University of Alaska, USA	Independent third party battery testing for the Alaskan market for the vanadium redox battery and zinc bromine battery
0910	Dr Placido M Spaziante	Celennium, Thailand	Novel design and non conventional applications for vanadium redox technology using monopolar electrodes
0930	Dr Doo-Yeon Lee	Samsung Advanced Institute of Technology, Korea	Non aqueous Redox Flow Battery employing Redox Couples able to transfer multi Electrons
0950	Schwann Hosseiny	University of Twente, Netherlands	The vanadium air redox flow battery
1010	REFRESHMENTS		
1030	Jianlu Zhang	Pacific Northwest National Laboratories	Research on Flow Batteries at PNNL, USA
1050	Bjorn Jonshagen	ZBB Australia	Zinc Based Systems
1110	Question & Discussion		
Session Chair: Prof Maria Skyllas-Kazacos			
1130	Sir John Samuel	RE-Fuel Technolgy Ltd, UK	Electric vehicle applications of flow batteries
1150	Christian Doetsch	Fraunhofer Institute, Germany	Non aqueous Redox Flow Batteries
1210	Question & Discussion		
1220	Lunch		
Session Chair: Dr Martha Schreiber			
1320	Guido De Jongh	CEN – CENELEC, Belgium	Standards for flow battery operation
1340	Prof EPL Roberts	University of Manchester, UK	Techno - economic modelling of utility scale redox flow batteries
1400	Dr Gerhard Rimpler	Energium Renewable Energy Business Development Consulting, Austria	Economic Aspects of Grid Connected VRB - PV Systems in Domestic Applications
1420	Eric Lewis	Convertteam, UK	The design and application of a flow cell system
1440	Matthew Clarke	TU Vienna, Institute for Energy Systems and Thermodynamics	Modelling simulation and validation of PV-VRB systems
1500	Raquel Ferret	ZIGOR Research and Development, Spain	Redox Flow Batteries for Next Generation Grid Design and Operation Paradigms
1520	Question & Open Discussion		
1550	Closing Remarks		
1600	END OF CONFERENCE		