TECHNOLOGY PERSPECTIVES FOR ENERGY STORAGE

Workshop of the STRATEGY AV21 initiative of The Czech Academy of Sciences

30 November 2015, 9.00-18.00, Room 205

The Czech Academy of Sciences, Národní 3, Prague

"Connecting academia, commerce and government to shape our future with energy storage"

PRELIMINARY PROGRAMME

Welcome speech
Jiří Drahoš
President of The Czech Academy of Sciences

Introduction
Jiří Plešek
Coordinator of the Research Programme "Efficient Energy Conversion and Storage" of the Strategy AV21 Initiative and Director of the Institute of Thermomechanics of the CAS, v. v. i.

PART 1: ENERGY STORAGE PERSPECTIVES IN THE CZECH REPUBLIC

***The Role of Energy Storage in Energy Security of the Czech Republic**
*Václav Bartuška
Special Envoy of the Czech Republic for Energy Security

Energy Storage - Power Grid Perspectives
Josef Tlustý
Faculty of Electrical Engineering, Czech Technical University in Prague

***Energy Storage – Myths, Reality and Perspectives**
*Aleš Laciok, MBA
R&D coordinator, ČEZ, a.s.

Accumulation of Energy in the Czech Republic from the Viewpoint of ČEPS, a. s.
Marián Belyuš
Head of Strategy and R&D, ČEPS, a.s.

Practical Ways of Energy Storage, View of E.On
Josef Renč
E.On Česká Republika

Pumped-storage Power Station in Ostrava
Pavel Bartoš
CEO and Chairman of the Board of FITE, a.s.

*Subject to final confirmation.

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Akademie věd České republiky
Strategie AV21
Špičkový výzkum ve veřejném zájmu

INSTITUTE OF THERMOMECHANICS OF THE CAS, v. v. i.

ÚSTAV CHEMICKÝCH PROCESŮ AV ČR
INSTITUTE OF CHEMICAL PROCESS FUNDAMENTALS OF THE CAS

PART 2: RESEARCH INTO PROMISING TECHNOLOGIES FOR ENERGY STORAGE

Safe Energy Storage via Hydrogen and Liquid Organic Hydrogen Carrier
Prof. Dr.-Ing. Wolfgang Arlt
Lehrstuhl für Thermische Verfahrenstechnik, Friedrich-Alexander-Universität Erlangen-Nürnberg

Hydrogen Technologies for Energy Storage and Beyond
Karel Bouzek
Head of Institute of Inorganic Technology, University of Chemistry and Technology Prague

Thermochemical Materials and Reactor Concepts for Large-scale Energy Storage
David M. J. Smeulders
Department of Mechanical Engineering, Eindhoven University of Technology

Nanomaterials for Electrochemical Accumulation of Energy
Ladislav Kavan
J. Heyrovsky Institute of Physical Chemistry of the CAS, v. v. i.

Physico-chemical Properties of Thermal Energy Storage Materials
Magdalena Bendová
Institute of Chemical Processes of the CAS, v. v. i.

PART 3: PANEL DISCUSSION

Topic 1
Promising Topics for Research into Energy Storage

Topic 2
Future of Energy Storage - Economic Aspects, National and European Policies

The official event language is English. Interpreting can be provided upon request.

Lunch, coffee-breaks, cloakroom and Wi-Fi access are included.
More information: *tpes.it.cas.cz, zimap@it.cas.cz, +420 723 237 095*