



SOMABATPRESS RELEASE



Timisoara, 25th of July 2012

Press Release

FP7 SOMABAT partners meet at the Institute of Chemistry Timisoara of Romanian Academy to discuss the half-life project achievements: First generation cell was presented in the Workshop hold.

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Under the auspices of FP7-SOMABAT Project, entitled *Development of novel Solid Materials for high power Li polymer BATteries (SOMABAT). *Recyclability of components*, 13 Partners have met in The Institute of Chemistry Timisoara of Romanian Academy, Timisoara, Romania, last July 3-5, 2012, to discuss the half-life Project accomplishments and to participate at an Advanced Workshop (WS).*

Now, at the half-life of the project, running tasks activities are on the top of the wave. Promising carbon materials, polymeric membranes and LFP cathode materials have been developed. These new materials were integrated into a first generation cell prototype which was presented at the meeting in Timisoara.

During the last days of the meeting, SOMABAT partners and other experts, academic people and Ph. D. students attended the WS entitled *Insights into Novel Solid Materials, their Recyclability and Integration into Li Polymer Batteries for EVs. Future research directions in this field*. The main topics of the WS were Materials, BMS, Recycling, Battery, EVs and Information Communication Strategy.

The main objectives of the Workshop were to discuss science and novel alternative technologies for lighter and smaller Li-battery for EVs (environmental safety and low cost), to share the state-of-the-art in BMS and R&D strategies for implementing performance models for Li- batteries based on novel solid materials. Another important topic was focused on education challenges and on refreshing our vision of the future. A number of 37 permanent participants and 30 specialists in the field were present at the WS. The program consisted of a general Open Lecture (General view of Battery and EVs), Session I (Materials and integration: anode, cathode and solid polymer electrolytes and battery), Session II (Capabilities & Recyclability: BMS, Modeling, EVs, ICT), Roundtables (Experience sharing with SOMABAT application specialists) and a Poster session (a prize for the best poster was awarded to young Ph.D. Students).

The workshop was organized by the Institute of Chemistry Timisoara of Romanian Academy (Romania) & Instituto Tecnológico de la Energía in Valencia (Spain), and financially supported by the 7th Framework Programme of the European Commission (GA No. 266090).



In photo: Invited Experts, EC-PO, PTA and members of SOMABAT Consortium

Background Information

SOMABAT is a project granted in the FP7-GC-2010-ELECTROCHEMICAL STORAGE call and has received funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement N° 266090.

SOMABAT aims to develop a more environmentally friendly, safer and better performing high power lithium polymer battery technology targeted for electric vehicles. The objectives are to develop novel, breakthrough recyclable solid materials to be used as anodes, cathodes and polymer electrolytes, to explore new alternatives for recycling the different battery components and for performing a complete life cycle analysis of the battery. The expected impact plays an important role to the improvement of the battery sustainability and performance which will facilitate the incorporation of electric vehicles to the market.

The consortium is composed of experts in the field and complementary in terms of R&D expertise and geographic distribution.

For more information, please visit the website: www.somabat.eu

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