

# WORKSHOP

18 OCTOBER - SAN SEBASTIÁN, SPAIN

**Organizers:** CIDETEC Energy Storage & CRF, iModBatt & GHOST coordinators.

**Location:** Hotel ARIMA, Paseo de Miramón, 162, 20014 San Sebastián, Spain

**Date:** Friday, October 18<sup>th</sup>, 2019

## “Solutions to electromobility challenges”

8:30	25'	<i>Registration and welcoming Coffee</i>	
8:55	5'	<b>Welcome</b> Goal of the WS	Oscar Miguel, CIDETEC Energy Storage Director
9:00	10'	<b>Introduction to EU battery research activities</b> Introductory speech on EU Policies on battery research, EU program implementation and future exploitation	Luca Feola, INEA, iModBatt and GHOST Projects Officer
9:10	15'	<b>Industrial Modular Battery Pack Concept Addressing High Energy Density, Environmental Friendliness, Flexibility and Cost Efficiency for Automotive Applications</b> iModBatt project	Iosu Cendoya, CIDETEC Energy Storage, iModBatt Coordinator
9:25	15'	<b>InteGrated and PHysically Optimised Battery System for Plug-in Vehicles Technologies</b> GHOST project	David Storer, CRF, GHOST Coordinator Andreas Koenekamp, AVL
9:40	15'	<b>ADvancing user acceptance of general purpose hybridized Vehicles by Improved Cost and Efficiency</b> ADVICE project	Vittorio Ravello, CRF
9:55	5'	<b>Electric Vehicle Optimized for Life, Value and Efficiency</b> E-VOLVE initiative	Christof Schernus, EARPA
10:00	15'	<b>SELF-sustained and Smart Battery Thermal Management Solution for Battery Electric Vehicles</b> SELFIE project	Rainer Sonnenberger, VALEO
10:15	15'	<b>Connected Electric Vehicle Optimized for Life, Value, Efficiency and Range</b> CEVOLVER project	Christof Schernus, FEV, CEVOLVER Coordinator
10:30	15'	<b>fASt and Smart charging solutions for full size URban hEavy Duty applications</b> ASSURED project	Igor Villarreal, IKERLAN
10:45	15'	<i>Coffee break</i>	

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11:00	15'	<b>Core Temperature Estimation for Cylindrical Cell Battery Module</b> HiFi-ELEMENTS project	Subhajeet Rath, TNO
11:15	15'	<b>Optimization of scalaBle rEaltime modeLs and functional testing for e-drive ConceptS</b> OBELICS project	Horst Pfluegl, AVL, OBELICS Coordinator Tomaz Katrasnik, University of Ljubljana
11:30	15'	<b>QUalifying and Implementing a user-centric designed and Efficient electric vehicle</b> QUIET project	Dragan Simic, AIT, QUIET Coordinator
11:45	15'	<b>Optimised Energy Management and Use</b> OPTEMUS project	Ibai Ulacia, University of Mondragon
12:00	15'	<b>Design OptiMisation for efficient electric vehicles based on a USer-centric approach</b> DOMUS project	Inés Muñoz, IDIADA
12:15	15'	<b>A novel heating and cooling system able to minimize the energy consumption and to extend the range of Battery Electric Vehicles (BEV)</b> XERIC project	Nino Gaeta, International Cooperation Manager & Consulting Scientist, GVS SPA, XERIC Coordinator
12:30	5'	<i>Short break</i>	
12:35	70'	<b>Panel discussion followed by wrap-up &amp; conclusion</b>	Moderators: Luca Feola, (INEA), David Storer (CRF) Participants: Christof Schernus (FEV), Vittorio Ravello (CRF), Thierry Claudel (TYVA), Stefan Gaigg (MIBA)
13:45	75'	<b>Standing up lunch &amp; posters session</b> <ul style="list-style-type: none"> <li>• IMAGE – Denise Tapler (AVL)</li> <li>• HiFi-ELEMENTS – Christof Schernus (FEV)</li> <li>• i-HeCoBatt – Aitor Makibar (CIDETEC)</li> <li>• EVERLASTING – Phiippe Azais (CEA)</li> <li>• ACHILES – Thomas Geury (VUB)</li> <li>• DEMOBASE – Joseph Martin (IFPEN)</li> <li>• E-VOLVE cluster – Christof Schernus (FEV), Eva Flora Varga (VUB)</li> <li>• CEVOLLVER – Christof Schernus (FEV)</li> </ul> Specific developments linked to xEVs: <ul style="list-style-type: none"> <li>• Battery system for the aeronautic application for an octodrone Unmanned Aircraft Vehicle (UAV) – Lionel De Paoli (CEA)</li> <li>• In depth comparison of high energy density cylindrical cells – Hartmut Popp (AIT)</li> <li>• Battery Thermal State Observer development for HiFi-ELEMENTS – Subhajeet Rath (TNO)</li> </ul>	<ul style="list-style-type: none"> <li>• DOMUS – Inés Muñoz (IDIADA)</li> <li>• UPSCALE – Enric Aramburu (IDIADA)</li> <li>• OBELICS – Horst Pfluegl (AVL)</li> <li>• ADVICE – Vittorio Ravello (CRF)</li> <li>• OPTEMUS – Ibai Ulacia (MU)</li> <li>• ORCA – Thomas Geury (VUB)</li> <li>• GHOST – David Storer (CRF)</li> <li>• iModBatt – Iosu Cendoya (CIDETEC)</li> </ul>
15:00	30'	<i>Optional visit to CIDETEC Energy Storage facilities</i>	