EV-BEMS Symposium Programme

Electric Vehicles - Battery and EMbedded System

📅 **Date:** June 23rd, 2026

📍 **Venue:** ENISo – LATIS

🎯 **Format:** Scientific & Industrial Symposium

08:00 – 08:45 | Registration & Welcome

- Participant registration
- Welcome coffee & networking

08:45 – 09:00 | Opening Ceremony

Opening Remarks by

- Pr. Essoukri Ben Amara Najoua, Director of ENISo
- Pr. Asma Ben Rhouma, Director of LATIS
- Pr. Mahmoud Hamouda, Head of Electromagnetic Compatibility and Functional Safety of Transport Systems Research Group, LATIS

Theme

Introduction to the EV-BEMS Symposium and overview of current challenges in electric mobility and intelligent battery systems.

09:00 – 10:00 | Session 1

Overview of EV & Battery Management Systems (BMS)

Presentation 1 — 09:00 to 09:30
Overview of Li-Ion Technologies and BMS functionalities in EV
Speaker: Dr. Bilal Manai, LATIS, Ottawa College

Presentation 2 — 09:30 to 10:00
Battery Pack for Light Electric Vehicles
Speaker: Dr. Meriem Ben Lazreg, Group Leader, Serma International

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10:00 – 10:30 | Coffee Break & Networking

10:30 – 11:30 | Session 2

Smart Chargers & Charging Infrastructure

Presentation 1 — 10:30 to 11:00
Charging Technologies for EV
Speaker: Bilel Abbassi, LATIS, ENISo

Presentation 2 — 11:00 to 11:30
Battery chargers for electric vehicles: architectures, control strategies, and interaction with the electrical grid
Speaker: Ameni Ben Khedher, LATIS, ENISo

11:30 – 12:00 | Technical Demonstration
FPGA Implementation of EKF and SVSF SoC Estimation for EV Application
Speaker: Dr. Sabeur Jemmali, LATIS, ENISo

12:00 – 13:00 | Lunch Break

13:00 – 14:00 | Session 3
Automotive Projects, Embedded Software & Industrial Applications

Presentation 1 — 13:00 to 13:30
Industrial Applications and Automotive Challenges
Speaker: Khaoula Ben Ali, Program Manager, OPmobility

Presentation 2 — 13:30 to 14:00
Automotive Software Engineering
Speaker: Mohamed Ali Jlizi, DRÄXLMAIER Group

14:00 – 15:00 | Session 4
Diagnosis & Deep Learning for EV-BEMS

Presentation 1 — 14:00 to 14:30
Diagnosis Methods for Li-Ion in EV
Speaker: Houda Sta, LATIS, ENISo

Presentation 2 — 14:30 to 15:00
Deep Learning for SoC / SoH Estimation
Speaker: Marwa Gaich, LATIS, ENISo

Presentation 3 — 15:00 to 15:30
Charging Algorithms with SoC and SoH Estimation
Speaker: Bilel Abbassi, LATIS, ENISo

15:30 – 16:00 | Panel Discussion & Closing Ceremony
Discussion Topics
- Future of electric mobility
- Intelligent battery technologies
- Embedded AI in automotive systems
- Industrial and academic challenges
- Research and collaboration opportunities

Closing Activities
- Symposium summary
- Acknowledgments
- Group photo
- Certificate distribution