

About the webinar

This webinar focuses on battery system design for electric vehicles including design methodologies and requirements, cell technologies, fast charging solutions, mechanical design solutions, battery swelling, thermal propagation and validation methodologies. This webinar will provide the participants, insights into battery design technologies and solutions for future electric vehicles.

Webinar is designed for

- Battery & energy storage users
- Cell makers & Pack assemblers
- Battery manufacturer
- Energy storage/power R&D engineers
- Automotive OEM
- Executives and entrepreneurs
- Academic researchers
- Battery system design managers
- Battery plant managers & maintenance engineers
- Other industry members

Schedule

9:00 – 9:45

9:45 – 10:30

10:30 – 10:45

10:45 – 11:30

11:30 – 12:15

12:15 – 13:00

13:00 – 13:45

13:45 – 14:30

14:30 – 14:45

14:45 – 15:30

15:30 – 16:15

16:15 – 16:45

Program agenda

- ✓ Introduction to battery system designs and requirements
- ✓ Battery cell technologies and requirements:
 - Battery cell technologies
 - Future requirements and constraints
 - Regulations
- ✓ Break
- ✓ Battery system design methodologies and solutions:
 - Cell-module-pack approach
 - Cell-pack approach
- ✓ Fast charging solutions
- ✓ Break
- ✓ Mechanical design solutions
- ✓ Battery swelling
- ✓ Break
- ✓ Thermal propagation
- ✓ Validation methodologies
 - Virtual validation
 - Physical validation
- ✓ Wrap-up (Summary & conclusions)

Program topics

Technology overview – Battery design – Cell technologies – Fast charging – Mechanical design – Battery swelling – Thermal propagation – Design failures – Validation methodologies – Ways to design batteries – How far we are & What is the future ?

Key benefits

- Guidelines on how to design batteries
- Key innovation approaches for battery system design
- Fast charging solutions for electric vehicles
- Update/latest technology market trends in battery design

Webinar Highlights

Designing Battery systems could be challenging especially for new players in this field. This webinar can alleviate these challenges for individuals affiliated to such companies and help in designing better, safer and more efficient battery systems.



Fees & Registration

Industrial: € 750 + VAT & Academic: € 550 + VAT

The number of participants is limited. The registration fee includes hard copy print out of all Webinar presentations.

Enquires & Assistance: Please visit our website www.abeegroup.com for more information

