

BATTERY SYSTEMS IN CAR BODY ENGINEERING

JUNE 20-21, 2023 | BAD NAUHEIM, GERMANY | ONLINE

TUESDAY, JUNE 20, 2023

8.45 am **Welcome and introduction**
Dr. Sibylle Freitag, Automotive Circle, DE

WELDING INNOVATIONS I

9.00 am **Process monitoring and quality inspection of various welding processes in automotive battery manufacturing**
*Dr. Yongjoon Cho, Monitech, KR;
 Dr. Peter Daniel, Vitronic, DE*

SURFACE SOLUTIONS

9.30 am **Is UV/EB the answer to the EV question? (It's all about energy!)**
Michael R. Bonner, Saint Clair Systems, Inc., US

10.00 am **Sustainable and media-free laser pre-treatment and decoating in the production chain of battery system manufacturing**
Jan Sommer, Clean-Lasersysteme GmbH, DE

10.30 am ☕ **Coffee and contacts** | 🗨️ **Meet the speakers**

11.00 am **Commercial vehicle battery tray – weld quality and joining, painting, sealing solutions for the battery case**
N.N., Ford Otosan, TR

THERMAL MANAGEMENT – HANDLING THE HEAT

11.30 pm **The value and performance of intumescent coatings to protect battery packs from fires and thermal runaways**
Dr. Shuang Ma, PPG, NL

12.00 pm **Advanced silicone materials for effective battery thermal management and prevention of thermal propagation**
Roman Vanecek, DOW, DE

12.30 pm 🍴 **Lunch break** | 🗨️ **Meet the speakers**

1.45 pm **New innovative multi-functional solutions for battery pack assembly**
Martin Zäch, Sika Technology AG, CH

2.15 pm **Innovations stopping thermal propagation from cell to cell**
Dr. Matthias Wissling, Dr. Alireza Akbarinia, Tucker GmbH, DE

2.45 pm **Structural thermally conductive cooling plate bonding for BEV mass manufacturing**
Dr. Stefan Schmatloch, Dr. Andreas Lutz, DuPont, CH

3.15 pm ☕ **Coffee and contacts** | 🗨️ **Meet the speakers**

WELDING INNOVATIONS II

9.00 am **Laser welding of Al-Cu interconnects for e-mobility applications: Effect of beam oscillation on metal mixing, microstructure, and mechanical property**
Dr. Masoud M. Pour, General Motors Company, US

VIRTUAL
PRESENTATION

OEM REPORTS

4.15 pm **Safety of electric mobility – white paper of the FISITA Intelligent Safety Working Group**
Dr. Simon Königs, BMW Group, DE

4.45 pm **Next generation battery platform from Volvo Cars**
Ida Toftefors, Dr. Stefan Dahlström, Volvo Cars, SE

5.15 pm 🗨️ **Meet the Speakers** | 👥 **Get Together**

5.30 pm **End of first conference day**

7.00 pm **Networking Night**



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THERMAL MANAGEMENT: MANUFACTURING SOLUTIONS

9.00 am **New optimized process for gap filler injection ensures ideal filling level for pouch cell modules**
Florian Schütz, bdtronic GmbH, DE

9.30 am **Continuous volume-independent dosing of thermally conductive adhesives for cell-to-pack applications**
Dr. Fabian Fassbender, Graco GmbH, DE;
Dr. Holger Fricke, Fraunhofer Institut IFam, DE;
Dr. Wolfgang Wittwer, Kömmerling Chemische Fabrik GmbH, DE

10.00 am **Energy-efficient manufacturing processes for battery cooling plates**
Dr. Tobias Döpmeier, Benteler Automotive GmbH, DE;
Oliver Quirin, Trumpf Laser- und Systemtechnik GmbH, DE

10.30 am ☕ **Coffee and contacts** | 🗣️ **Meet the speakers**

MATERIAL FOCUS

11.15 am **Lightweight with extreme opportunities designed for RTM**
Nabil Al Kabir, svt Products GmbH, DE;
Jan Hindahl, SAERTEX GmbH & Co. KG, DE

OEM REPORT

11.45 am **Range Rover and Range Rover Sport PHEV battery structural integration**
James Morrad, Jaguar Land Rover, UK

12:15 pm 🍴 **Lunch break** | 🗣️ **Meet the speakers**

BATTERY AND BATTERY PACK ASSEMBLY

1.15 pm **Future concepts for cell-to-pack assembly production**
Dr. Andreas Letsch, Bosch Rexroth AG, DE;
Robert Wilschrey, EDAG Production Solutions GmbH & Co. KG, DE

1.45 pm **Key processes for cell-to-pack assembly: materials for adhesion, and direct cell-to-tray insertion**
Pengfei Wang, Anwha Automation Engineering, CN;
Urban Widén, Anwha Automation Engineering Europe, SE

2.15 pm **From cell production to pack assembly: handling solutions for battery systems**
Eda Gökcimen, J. Schmalz GmbH, DE

CONCLUSION

2.45 pm **Closing remarks and evaluations**
Members of the OEM Advisory Board

3.00 pm **Conclusion and farewell**
Dr. Sibylle Freitag, Automotive Circle, DE

3.05 pm **End of conference**

Subject to change (status as of May 2023)



YOUR CONTACT

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