

Wednesday, November 13, 2024 – Waygate Technologies Customer Solution Center (CSC), Sharonville

Time	Subject	Presenter
8:00 a.m.	Registration, Breakfast	
8:30 a.m.	Speaker Meeting - Day one speakers, session chairs only	
9:00 a.m.	Opening	Neil Bloomfield, Global Battery and Automotive Segment Leader, IXS, Waygate Technologies, USA
9:05 a.m.	Welcome	Ludo Milosevic, General Manager Radiography Systems, Waygate Technologies, Germany
9:30 a.m.	Keynote Speaker Day 1 - Market Overview	Benchmark/Avicenne/BloombergNEF

Battery Inspection Technology Update

10:00 a.m.	Radiography Systems Technology Update	Shana Telesz, Senior Product Manager, Radiography Systems, Waygate Technologies, USA
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10:30 a.m. Morning Break

Session Chair: Julia Tovar - North America Radiography Sales Director

11:00 a.m.	Application of Electron Microscopy for Battery R&D and Manufacturing	Dr. Hugues Francois-Saint Cyr, Sr. Industrial Application Enabler, Materials Science Division, Battery, ThermoFisher Scientific, USA
11:30 a.m.	Ultrasound Applications in Battery Inspection	Cole Murphy, NDT Design Engineer, Ultrasound, Waygate Technologies, NY USA and Yuichi Kajiura Ph.D Student, University of Oklahoma, OK

Battery/Cell Safety and Failure mitigation

12:00 p.m.	X-ray CT for Characterization of Battery Degradation and Failure Mechanisms	Dr. Donal Finegan, Senior Scientist at National Renewable Energy Laboratory, Colorado, USA
12:30 p.m.	Trust but Verify: Beyond Battery Cycling	Mike Pendleton, Technical Director of Battery, Element Materials Technology, Michigan, USA

1:00 p.m. Lunch

Self Guided Hands-On Training/Tutorials

1:45 p.m.	Introduction to the afternoon activity	Neil Bloomfield, Global Battery and Automotive Segment Leader, Radiography Systems, Waygate Technologies
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Time	v tome x C450	v tome x M300	v tome x L450	Thermo Scientific SEM	Curie	Einstein	Ultrasonic General and Battery
2:00 - 2:50 p.m. Session 1	Module Scan - Meso Tube	Pouch Cell Corner Scan		SEM	x approver	Thermo Fisher AVIZO	UT Battery
3:00 - 3:50 p.m. Session 2		Pouch Cell Corner Scan	Prismatic Cell Scan	SEM	x approver		UT General
4:00 - 4:50 p.m. Session 3	Module Scan - Meso Tube	Pouch Cell Corner Scan	Prismatic Cell Scan	SEM	x approver	Thermo Fisher AVIZO	UT Battery

Code	Description	Presenter
AVIZO	AVIZO Demo	Dr. Reng Pelapur
Thermo Scientific SEM	Thermo Scientific Axia ChemiSEM and CleanConnect inert gas transfer system demonstration	John Yorston
Module Scan - Meso Tube	Module Scan w/ Mesofocus Tube	Bill Hayes
x approver	Waygate Technologies ADR software Demo	Grace Pharo
Pouch Cell Corner Scan	Traditional corner scan vs. corner fast scan of a pouch cell	Jungil Byun
Prismatic Cell Scan	Offset scan of a large prismatic cell	Josh Schradin & Mike Randall
5:00 p.m.	Group picture	Joe Mahigel

Evening Event

6:00 p.m.	Cincinnati Zoo
6:30 p.m.	Buffet dinner and cocktails
9:00 p.m.	Event concludes

Thursday, November 14, 2024 - Waygate Technologies Customer Solution Center (CSC), Sharonville OH

Time	Subject	Presenter
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Optimizing Cell/Battery Performance

Session Chair: Paul Perera, Strategy & Technology Operations Director, Waygate Technologies | MBA | Beng UK

8:00 a.m.	Breakfast	
8:30 a.m.	Speaker Meeting - Day two speakers, session chairs only	
9:00 a.m.	Day 2 Opening	Neil Bloomfield, Global Battery and Automotive Segment Leader, IXS, Waygate Technologies, USA
9:05 a.m.	Day 2 Welcome	Michael Ulbricht, Global Commercial Director, Waygate Technologies, Germany
9:20 a.m.	Keynote Speaker Day 2 - Solid State Battery Endeavor: Challenges and Pathways for Practicality	Prof. Ilias Belharouak, Corporate Fellow and Head of Electrification Section at Oak Ridge National Laboratory, TN USA
10:00 a.m.	The Capabilities of the High Energy CT for a Battery Inspection.	Dr. Tomas Zikmund, Research Sub-Group Leader, Brno University of Technology, Central European Institute of Technology, Czech Republic

10:30 a.m. Morning Break

Optimization of Battery Production and Systems

Session Chair: CSC Site Leader, Radiography Systems

11:00 a.m.	TBA	Fluence
11:30 a.m.	TBA	Dr. Saad Abbais, Head of Electrochemistry, UK Battery Industrialisation Centre, Coventry, United Kingdom
12:00 p.m.	From Coil to Stack - Utilizing a High Speed Continuous Process	Sebastian Vogel, Head of Global Sales & Business Development, Korber, Germany

12:30 p.m. Lunch

Battery Recycling

1:30 p.m.	Enabling Circularity of EV Batteries and Their Critical Materials	Jonathan Harter, Senior Technical Professional, Electrical Engineering, Oak Ridge National Laboratory, TN USA
2:30 p.m.	Battery Recycling	Tyler Helps, Co-Founder and Chief Commercial Officer of Currents, OK USA

Self Guided Hands-On Training/Tutorials

Time	v tome x C450	v tome x M300	v tome x L450	Thermo Scientific SEM	Curie	Einstein	Ultrasonic General and Battery
3:10 - 4:00 p.m. Session 1	Module Scan - Meso Tube	Pouch Cell Corner Scan		SEM	x approver	Thermo Fisher AVIZO	UT Battery
4:10 - 5:00 p.m. Session 2		Pouch Cell Corner Scan	Prismatic Cell Scan	SEM	x approver		UT General

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