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

Time	Subject				Presenter				
8:00 a.m.	Registration, Br	eakfast							
8:30 a.m.	Speaker Meetin	g - Day one spe	akers, session o	chairs only					
9:00 a.m.	Opening				Neil Bloomfield, Global Battery and Automotive Segment Leader, IXS, Waygate Technologies, USA				
9:05 a.m.	Welcome				Michael Ulbricht, Global Commercial Director, Waygate Technologies, Germany				
9:30 a.m.	Keynote Speake Inspection.	er Day 1 - The Ca	apabilities of th	e High Energy CT	Dr. Tomas Zikmund, Research Sub-Group Leader, Brno University of Technology, Central European Institute of Technology, Czech Republic				
Battery Inspection Te	echnology Upda	ite							
10:00 a.m.	Radiography Sys	stems Technolo	gy Update		Shana Telesz, Senior Product Manager, Radiography Systems, Watgate Technologies, USA				
10:30 a.m.	Morning Break								
Session Chair: Julia Tovai									
11:00 a.m.	CT X-ray Basics				ice Pharo, Application Engineer, Waygate Technologies, USA				
11:30 a.m.	Microscopy for	Battery R&D an		Application of Ele	Dr. Hugues Francois-Saint Cyr, Sr. Industrial Application Enabler, Materials Science Division, Battery , Thermo Fisher Scientific, USA				
Battery/Cell Safety a									
12:00 p.m. 12:30 p.m.	X-ray CT for Cha Trust but Verify			dation and Failure	Dr. Donal Finegan, Senior Scientist at National Renewable Energy Laboratory, Colorado, USA Mike Pendleton, Technical Director of Battery, Element Materials				
•					Technology, Michigan, USA				
1:00 p.m.	Lunch								
Self Guided Hands-O	n Training/Tuto	rials							
1:45 p.m.	Introduction to the afternoon activity					Neil Bloomfield, Global Battery and Automotive Segment Leader, Radiography Systems, Waygate Technologies			
Time	Power Scan HE	v tome x M300	v tome x L450	v tome x S240	v tome x C450-1	v tome x C450-2	Thermo Scientific SEM	Ultrasonic Bencl Area	
2:00 - 2:50 p.m.	Tesla Module		x approver	Fast Scan vs.		Grayscale vs. Image	Axia Scanning Electron	UT Battery	
Session 1	Scan		хтарргочег	Step Scan		Quality	Microscope	O'l Battery	
3:00 - 3:50 p.m. Session 2		Multi Scan Function	x approver		Automation Demo	Grayscale vs. Image Quality	Axia Scanning Electron Microscope	UT General	
4:00 - 4:50 p.m.	Tesla Module	Multi Scan		Fast Scan vs.	Automation		Axia Scanning Electron	UT Battery	
Session 3	Scan	Function		Step Scan	Demo		Microscope		
Code				Descripti	on			Presenter	
Fast Scan vs. Step Scan	Waygate's Fast	Scan Technoloยู	gy vs. a Traditio	nal Step Scan Der	nonstration			Jacob Wiley	
Thermo Scientific SEM	Thermo Scientif	ic Axia ChemiSE	M and CleanCo	onnect inert gas tr	ansfer system	demonstration	J	lohn Yorston	
Tesla Module Scan	Tesla Module Scan w/ Power Scan HE Demonstration Josh Schradin								
x approver	Waygate's ADR	Software Demo	nstration					Grace Pharo	
Multi Scan Function	Waygate's Multi Scan Technology Demonstration to Scan Longer Battery Cells Mike Randall								
Automation Demo	Automation Demonstration for Battery Pack Production Solution Joe Rinck								
Grayscale vs. Image Quali	ty Demonstration	on how differer	nt Grayscale rat	ios affect Image C	Quality			Jungil Byun	
UT Battery	Using UT to insp		•		· ,		Cole Mu	rphy / Yuichi Kajiura	
UT General	General use of U	JT Demonstrati		Kip Herner					
5:00 p.m.	Group picture Joe Mahigel								
Evening Event	7 10 111 2					Ü			
6:00 p.m.	TBA								
6:30 p.m.	Buffet dinner ar	nd cocktails							
9:00 p.m.	Event concludes								
2.00 p.m.	Lvent conclude:	,							

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

Time	Subject				Presenter				
Optimizing Cell/Batt	ery Performanc	е							
Session Chair: Paul Perei	ra, Strategy & Tech	nology Operati	ions Director, V	Waygate Technol	ogies MBA I	Beng UK			
8:00 a.m.	Breakfast								
8:30 a.m.	Speaker Meetin	g - Day two spe	akers, session o	chairs only					
9:00 a.m.	Day 2 Opening				Neil Bloomfield, Global Battery and Automotive Segment Leader, IXS,				
0.05	D 2 14/-1				Waygate Technologies, USA Michael Ulbricht, Global Commercial Director, Waygate Technologies, Germany				
9:05 a.m.	Day 2 Welcome								
9:20 a.m.	Kevnote Speake	r Day 2 - Solid S	State Battery En	ideavor: Challeng	Prof. Ilias Belharouak, Corporate Fellow and Head of Electrification				
3120 01111	Pathways for Pr	,	race Batter, 2	acaron chancing	Section at Oak Ridge National Laboratory, TN USA				
10:00 a.m.	Insights into Mo	orphological Cha	anges in Li-ion E	Batteries via Ex-sit	Zuzana Stravová, Ph.D Candidate, Central European Institute of				
	Aging Simulatio	ns and Micro-co	omputed X-ray	tomography	Technology, CEITEC, Czech Republic				
10:30 a.m.	Morning Break								
Optimization of Batt									
Session Chair: Alisa De B				IS		Cala Marria har NIDT Davier	. Faciones I II to a constant	/	
11:00 a.m.	Ultrasound App	lications in Batt	ery inspection		Cole Murphy, NDT Design Engineer, Ultrasound, Waygate Technologie: NY USA and Yuichi Kajiura Ph.D Student, University of Oklahoma, OK				
11:30 a.m.	X-ray computed	tomography as	s quality contro	I tool in the volur	Dr. Saad Abbais, Head of Electrochemistry, UK Battery Industrialisation				
	manufacturing of		, , , , , , , , , , , , , , , , , , , ,		Centre, Coventry, United Kingdom				
12:00 p.m.	From Coil to Sta	ck - Utilizing a I	High Speed Con	tinuous Process	Sebastian Vogel, Head of	Global Sales & Business I	Development, Korbe		
					Germany				
12:30 p.m.	Lunch								
Battery Recycling									
Session Chair: Neil Bloor					gate Technolo	• •			
1:30 p.m.	Enabling Circula	rity of EV Batte	ries and Their C	Critical Materials	Jonathan Harter, Senior Technical Professional, Electrical Engineering,				
2:30 p.m.	Battery Recyclin				Oak Ridge National Laboratory, TN USA Tyler Helps, Co-Founder and Chief Commercial Officer of Currents, OK USA				
2.50 μ.π.	battery Recyclin	ıg							
Self Guided Hands-O	n Training/Tuto	rials				00/1			
Time	Power Scan HE	v tome x M300	v tome x L450	v tome x S240	v tome x C450-1	v tome x C450-2	Thermo Scientific SEM	Ultrasonic Bench Area	
		MIJOU	L-130	3240	0430-1		OLIN	Alea	
3:10 - 4:00 p.m.	Tesla Module		x approver		Automation		Axia Scanning Electron	UT Battery	
Session 1	Scan		1000		Demo		Microscope	,	
4:10 - 5:00 p.m.		Multi Scan		Fast Scan vs.		Grayscale vs. Image	Axia Scanning Electron	UT General	
Session 2		Function		Step Scan		Quality	Microscope	or demeral	
Code			Presenter						
Fast Scan vs. Step Scan	Waygate's Fast		Jacob Wiley						
Thermo Scientific SEM	Thermo Scientific Axia ChemiSEM and CleanConnect inert gas transfer system demonstration John Yors								
Tesla Module Scan	Tesla Module So	J	Josh Schradin						
x approver	Waygate's ADR	Software Demo	onstration					Grace Pharo	
								Mike Randall	
Multi Scan Function	Waygate's Mult	i Scan Technolo	ogy Demonstrat	tion to Scan Long	er Battery Cells	5	ı	Mike Randall	

Grayscale vs. Image Quality Demonstration on how different Grayscale ratios affect Image Quality

Battery Inspection Forum Close - Thank you for coming!

General use of UT Demonstration

UT General

5:00 p.m.

Jungil Byun

Kip Herner