

Workshop Agenda



Monday, September 30

6:00-9:00 pm	Registration and Networking Reception (optional event): <i>Provided by EaglePicher</i>	Glendalough
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Tuesday, October 1

7:00-8:00 am	Breakfast: <i>Provided by EaglePicher</i>	Glendalough
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General Session Day 1

8:00-8:20 am	Symposium Jump Start		Glendalough
8:20-8:30 am	Power Up Introduction	Heather Smriga	
8:30-8:50 am	Welcome Address	Steve Westfall	
8:50-9:15 am	Company Overview	Ron Nowlin	
9:15-9:40 am	Marketing and Technology Overview	Rob Gitzendanner, Ph.D.	
9:40-9:45 am	Symposium Kick-Off	Ron Nowlin	
9:45-10:15 am	Morning Break: <i>Provided by EaglePicher</i> Vendor booths, product displays and posters open		

Power Session

10:15-10:20 am	Workshop Introduction	Heather Smriga	Rathdangan
10:20-10:45 am	Thermal High-Voltage Cathode	Nathan Moss	
10:45-11:10 am	Next Generation Thermal Batteries	Dharmesh Bhakta	
11:10-11:35 am	Lithium-Ion High-Power Battery Systems	Mark Robertson	
11:35 am-12:00 pm	Low-Temperature Lithium-Ion Battery Performance	Tom Barbarich, Ph.D.	
12:00-1:00 pm	Lunch: <i>Provided by EaglePicher</i> Vendor booths, product displays and posters open		Glendalough
1:00-1:25 pm	Lithium-Ion Advancements and Ultra-High Power	Chao Lei, Ph.D.	Rathdangan
1:25-1:55 pm	Power Panel Moderator: Andy Tuthill, <i>EaglePicher</i>	Chao Lei, Nathan Moss and Mark Robertson	

High Energy Session

1:55-2:20 pm	Hybrid Li/CF _x Cylindrical Cells	Shemaiah Khopang	Rathdangan
2:20-2:45 pm	High-Energy Primary Technology Development	David Darch	
2:45-3:10 pm	Advanced Electrolyte for Better Life and Low-Temperature Performance in Hybrid Li/CF _x Cells	Anulekha Haridas, Ph.D.	
3:10-3:40 pm	Afternoon Break: <i>Provided by EaglePicher</i> Vendor booths, product displays and posters open		Glendalough

Workshop Agenda (continued)



Tuesday, October 1 (continued)			
High Energy Session (continued)			
3:40-4:05 pm	Next Generation High-Energy Chemistries	Owen Crowther, Ph.D.	Rathdangan
4:05-4:30 pm	High-Energy Pouch Cell Performance	Hyun Bang, Ph.D.	
4:30-5:00 pm	High Energy Panel Moderator: Jay Rhuems, <i>EaglePicher</i>	Members: Owen Crowther, Ph.D., Anulekha Haridas, Ph.D. and Shemaiah Khopang	
5:00-5:05 pm	Closing Comments	Jay Rhuems, <i>EaglePicher</i>	
5:05-5:30 pm	Break		

Keynote Dinner			
5:30-6:30 pm	Cocktail Reception: <i>Provided by EaglePicher</i>		Glendalough
6:30-7:10 pm	Dinner: <i>Provided by EaglePicher</i>		
7:10-7:45 pm	Evening Entertainment, Color Guard Presentation and National Anthem		
7:45-8:00 pm	Speaker Introduction	Jay Tuthill, <i>Tuthill Corporation</i>	
8:00-9:00 pm	Keynote Presentation	John Kelly	

Wednesday, October 2			
7:00-8:00 am	Breakfast: <i>Provided by EaglePicher</i> Vendor booths, product displays and posters open		Glendalough
General Session Day 2			
8:00-8:05 am	Welcome Address	Matt Housh	Glendalough
8:05-8:35 am	Electrical Power Systems and High-Temperature Electronics	Roger Brewer, <i>Lockheed Martin</i>	
8:35-9:05 am		Eric Shields, <i>OUSD Industrial Policy</i>	
9:05-9:35 am	Critical Materials Crossroads – Energy Materials Ecosystem Development	Anthony Caruso Ph.D., <i>University of Missouri-Kansas City</i>	
9:35-9:40 am	Symposium Kick-Off	Matt Housh	
9:40-10:10 am	Morning Break: <i>Provided by EaglePicher</i> Vendor booths, product displays and posters open		

Safety Session			
10:10-10:15 am	Workshop Introduction	Heather Smriga	Rathdangan
10:15-10:40 am	Battery Architecture for Safety	Kris Frutschy	
10:40-11:05 am	Safety Critical Hardware for Battery Management Systems	Karalyn Walker	
11:05-11:40 am	Safety Critical Software for Battery Management Systems	Tim Kelleher	

Workshop Agenda (continued)



Wednesday, October 2 (continued)

Safety Session (continued)

11:40 am-12:10 pm	Safety Panel Moderator: Andy Tuthill, <i>EaglePicher</i>	Roger Brewer, Kris Frutschy and Tim Kelleher	Rathdangan
12:10-1:00 pm	Lunch: <i>Provided by EaglePicher</i> Vendor booths, product displays and posters open		Glendalough

1:00-1:15 pm	Small Business Certification Benefits	Amy Yates	Rathdangan
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Integration Session

1:15-1:40 pm	Design Considerations for Battery Management Systems in Space Applications	Richard Coffin	Rathdangan
1:40-2:10 pm	Battery Modeling for Shock and Vibration	Rebecca Cragun and Greg Newman	
2:10-2:35 pm	Pressure Tolerant Batteries	Jinal Patel	
2:35-3:00 pm	Tightly Integrated Energetic System Design	Nathan Weston	
3:00-3:30 pm	Afternoon Break: <i>Provided by EaglePicher</i> Vendor booths, product displays and posters open		Glendalough
3:30-3:55 pm	Battery and Electro-Explosive Devices for CAD/PAD	Grant Tollefson	Rathdangan
3:55-4:20 pm	Advancements in Manufacturing Automation	Sterling Moss	
4:20-4:50 pm	Integration Panel Moderator: Matt Housh, <i>EaglePicher</i>	Richard Coffin, Jinal Patel, Eric Shields and Grant Tollefson	
4:50-5:00 pm	Closing Comments	Steve Westfall	
5:00-6:00 pm	Break		

Networking Event

6:00-9:00 pm	Networking Event (optional event): <i>Provided by EaglePicher</i>		BigShots Golf
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Thursday, October 3 (optional facility tour)

7:30-8:30 am	Breakfast: <i>Provided by EaglePicher</i>		
8:30-10:00 am	Load Bus and Travel to EaglePicher facility		
10:00-11:00 am	EaglePicher's Facility Tour: Crossroads or C Street		EaglePicher
11:00 am-12:30 pm	Load bus and travel to DoubleTree		
12:30-1:30 pm	Lunch: <i>Provided by EaglePicher</i>		