

IEF Solar Car Conference 2023

Pacific	Mountain	Central	Eastern	Open Networking	Breakout	Sessions				
Saturday, January 14										
10:30 AM	11:30 AM	12:30 PM	1:30 PM		General	Welcome & 2023 Kickoff				
12:15 PM	1:15 PM	2:15 PM	3:15 PM	COLD PIT	A	Basic Mechanical Design Bill Elliott	Battery Tech Steve McMullen	Effective Leadership Senait Nuguse	Best Benefits in the Business Emma Deye	
2:00 PM	3:00 PM	4:00 PM	5:00 PM		B		Solar Car Arrays Alain Chuzel & Linda Bozarth	The 13 Problems of Starting a Solar Car Team and Getting Your First Lap Michael Srimongkolkul	MOV Scoring, Practicality, & Strategy Evan Stumpges	Lightweighting Erik Larson (Altair)
3:45 PM	4:45 PM	5:45 PM	6:45 PM		C	All About Braking Brian Call	BPS Dan Bohachick	Project Management Paul Park		Using MATLAB & Simulink for Model Based Design Sam Reinsel (MathWorks)
5:30 PM	6:30 PM	7:30 PM	8:30 PM		D	On-Road Operations & Navigation Jake Herbers	Design for Electrical Reliability Hai-Yue Han	Legal Admin (Agreements, Insurance, and More) Sharon O'Leary	Track Q&A Travis Hilton (Heartland Motorsports Park)	Altair Optistruct for Accurate & Efficient Simulation of Laminated Composites Kory Soukup (Altair)
7:15 PM	8:15 PM	9:15 PM	10:15 PM		General	Late Night Regulations Session				
Sunday, January 15										
12:15 PM	1:15 PM	2:15 PM	3:15 PM	COLD PIT	E	Learning from Mechanical Failures Brian Call	How to Build a Battery Pack Steve McMullen	Sustainability Discussion Delphine Rey	Track/Road Racying Q&A Forum Jake Herbers	Solar Car Arrays Open Forum Alain & Linda
2:00 PM	3:00 PM	4:00 PM	5:00 PM		F	DC-DC Power Conversion Elmar Peters	Impound in Vehicle (Both Classes) Evan Stumpges	Solar Car Project Budgeting Linda Bozarth & Gail Lueck	Solar Car Driving Monon Rahman	Shop Tour Principia
3:45 PM	4:45 PM	5:45 PM	6:45 PM		G	Suspension Design Bill Elliott		Team Leader Roundtable Jonathan Mullen	Optimization & Strategy Dan Bohachick	Electrical and Battery Open Forum Steve McMullen & others
Saturday, January 28										
10:30 AM	11:30 AM	12:30 PM	1:30 PM	COLD PIT	H	Design of Composite Suspensions for MOV Giangiacomo Minak (Onda Solare)	Maximum Power Point Tracking of Solar Array Elmar Peters	Fundraising for Fun Jason Nolte	MOV Charging, & Energy Metering Evan Stumpges	Solar Car Driver Forum Jonathan Mullen
12:15 PM	1:15 PM	2:15 PM	3:15 PM		I	Solar Car Aero Design David Sims-Williams (DUEM)	Writing and Architecture Embedded Software for Solar Cars Jonathan Mullen	Passing Down Knowledge Brian Kamusinga (Principia)	ASC Route Design Byron Hopps & Gail Lueck	Motion Analysis Erik Larson (Altair)
2:00 PM	3:00 PM	4:00 PM	5:00 PM		J	Mechanical Open Q&A Brian Call & Bill Elliott	Solar-focused Networking Discussion Kat Han	Solar Car Leadership & How to Turn It into a Career Sam Cheatham	Interconnects, Interfaces, & Interference: Designing a Reliable Electrical System Byron Hopps	Solar Car Teams and Startups: Parallels Michael Srimongkolkul
3:45 PM	4:45 PM	5:45 PM	6:45 PM		General	After Party: Future of Solar Car Discussion				