

Time	Event	Presenter	Affiliation	
7:00 AM - 8:00 AM	Breakfast			
8:00 AM - 8:10 AM	Opening remarks	Ed Herbert		
8:10 AM - 11:00 AM	Plenary Session			
	Design, Construction and Fabrication Strategies For Magnetic Components in Electronic Power Applications	Charles Sullivan	Dartmouth	
	Measurements and Application Considerations of Magnetic Materials at High- and Very-High Frequencies	David Perreault	MIT	
	Break (9:30 AM - 9:45 AM)			
	Modelling and Simulation Challenges for Power Magnetics Used in Electronic Power Applications	Ray Ridley	Ridley Engineering	
	Panel Q & A	Charles Sullivan, David Perreault & Ray Ridley		
11:00 AM - 11:30 AM	Introduction to Technology Demonstration Session	Steve Carlsen	Raytheon	
11:00 AM - 1:30 PM	Technology Demonstrations/Lunch			
	Demonstration of FEA to Predict Resistance, Inductance and Losses in Magnetic Components	Mark Christini	Ansys	
	Spice Models for Power Magnetics	Len Crane	Coilcraft	
	From Concept to Realization		Chuck Wild	Dexter Magnetics
			Joel Salas	Ferrocube
			Anuj Sharma	Hitachi
			Chris Oliver	Micrometals
			Kyle Jensen	Rubadue Wire
			Brian Hatley	Miles Platt
	Near Magnetic Field Characterization	Ruska Patton	EMSCAN	
	Modelling of Non-Linear Magnetics	Colin Warwick	Keysight Technologies	
	Magnetic Characterization with Triangular Flux Waveforms	Mike Wens	MinDCet	
	Simulation Models of Magnetics Based on Triangular Flux Waveforms	Tom Wilson	Simplis Technologies	
	GaN-Based Half-bridge Test Circuit for Generating > 100 V/ns Slew Rates	Jason Cuadra	Transphorm	
	Impact of Air gaps on AC Power Loss Measurements		Rodney Rogers	Vacuumschmelze
		JC Sun	Bs&T Technologies	
Behavior of Electro-Magnetic Radiation of Storage Inductor in DC-DC Converters	Ranjith Bramanpalli	Würth Elektronik		
1:30 PM - 2:00 PM	Technology Demonstration Debrief Forum	Charles Sullivan, David Perreault & Ray Ridley		
2:00 PM - 4:15 PM	Structured Problem Session			
	Magnetics Design for High-Efficiency Compact Resonant Converter Architectures	Khurram Afridi	University of Colorado - Boulder	
	The Integration of Analytical Analysis and Finite Element Analysis for the Design of Power Magnetics	Jenna Pollock		
	Break (3:20 PM - 3:35 PM)			
	Matrix Transformer Building Blocks for High Power Energy Router Applications	James Lau	CWS	
4:15 PM - 5:00 PM	Wrap Up Session	Ed Herbert, Steve Carlsen, Matt Wilkowski		