

	31-Oct	1-Nov	2-Nov
7:00 AM	Breakfast		Breakfast
7:45 AM			
7:50 AM			
7:55 AM			
8:00 AM	Welcome Remarks		Welcome Remarks
8:05 AM	Committee		Committee
8:10 AM			
8:15 AM	Welcome Remarks: CALCE /UM, Michael Pecht and Avram Bar Cohen		Keynote 1 Charles Cohn Trends in Substrate Technologies and Their Impact on Reliability
8:20 AM			Keynote 2 Tony Avak Reliability Modeling and Testing Needs for Optical Fiber Based Avionics
8:25 AM			
8:30 AM	Track 1 Intermediate	Track 2 Advanced	
8:35 AM			
8:40 AM			
8:45 AM			
8:50 AM	<u>Ephraim Suhir</u>	<u>Abhijit Dasgupta</u>	
8:55 AM	ACCELERATED LIFE TESTING (ALT), PREDICTIVE MODELING AND THE PROBABILISTIC DESIGN-FOR-RELIABILITY APPROACH	Physics of Failure Strategies for AST:Qualifications and Quality Assurance	
9:00 AM			
9:05 AM			
9:10 AM			
9:15 AM	5 minute restroom break		Invited Speaker 1
9:20 AM			Craig Hillman Developing a Pb-Free Qual Plan for High Reliability Applications
9:25 AM			
9:30 AM			
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9:40 AM			
9:45 AM			
9:50 AM			
9:55 AM			
10:00 AM	Break 20 minutes	Break 20 minutes	Break 20 minutes
10:05 AM			
10:10 AM			
10:15 AM			
10:20 AM	Tutorial ACCELERATED LIFE TESTING (ALT), PREDICTIVE MODELING AND THE PROBABILISTIC DESIGN-FOR-RELIABILITY APPROACH , cont'd	Tutorial Physics of Failure Strategies for AST:Qualifications and Quality Assurance	Reliability Session Intro
10:25 AM			Case Studies Intro
10:30 AM			Gene Bridger
10:35 AM			Effective Using Mildly Accelerated ORT
10:40 AM			David Francis
10:45 AM			HALT of Alternators
10:50 AM			
10:55 AM			
11:00 AM	Tutorial Dan Rasky Thermal Reliability - A NASA Perspective	Tutorial Mark Millet Intellectual Property and Accelerated Testing: A Tale of Two Inventions	Mike Silverman et al. ERT: Early Reliability Test
11:05 AM			Hong S. Liu Comparison Testing of Shock vs. Vibration ESS system
11:10 AM			
11:15 AM			
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12:00 PM	Announcements	Announcements	Announcements
			Lunch 75 minutes Virtual tour of GSFC Flight Qual Lab
			Announcements Lunch 60 minutes

12:05 PM	<p style="text-align: center;">Lunch 90 minutes ASTR 2008 Committee Meeting</p>			
12:10 PM				
12:15 PM				
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12:55 PM				Arthur R.Zingher et al. A Leading Indicator enables Better
1:00 PM			Gary M. Hazard Rapid Reliability Risk Assessment for	
1:05 PM				
1:10 PM				
1:15 PM				
1:20 PM				
1:25 PM				
1:30 PM	Tutorial Paul Parker	Tutorial Wayne Tustin	Don Gerstle Power Conversion Reliability	Gustavo Plaza et al. Study of Vibration Monitoring and Failure Criteria Definition for Solder Interconnect
1:35 PM	Power Supply Design and Test for Reliability	Simultaneous Multiaxis Vibration Testing & Screening		
1:40 PM				
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2:00 PM				
2:05 PM				Mike Silverman Hass Profile Fine Tuning Using Field Data
2:10 PM	5 minute restroom break			
2:15 PM			Physics of Failure Session Intro Koustar Sinha et al., UMD	
2:20 PM			Mechanical strength of copper-silicon interface of planar power modules	
2:25 PM				
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2:50 PM				Equipment Session Intro Junyong Tao Study on exciting signals and their influencing factors of RS machine
2:55 PM				
3:00 PM	Break 20 minutes	Break 20 minutes	Break 20 minutes	
3:05 PM				
3:10 PM				
3:15 PM				
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3:25 PM	Tutorial Power Supply Design and Test for Reliability, cont'd	Tutorial Simultaneous Multiaxis Vibration Testing & Screening cont'd	Gayatri Cuddalorepatta et al., UMD Durability Assessment of an Advanced Power Electronics Thermal Cooler	Closing Statements
3:30 PM				
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4:00 PM			Equipment Panel	
4:05 PM				
4:10 PM				
4:15 PM	5 minute restroom break			
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5:00 PM	Announce Close of Day 1, Announce Exhibitor Reception			

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9:00 PM

Reception

Closing Statements

Break

Odyssey Dinner Cruise