

IEEE Southeastern Michigan Section Conference – Spring 2007

Thursday, March 29, 2007

University of Michigan – Dearborn, Fairlane Center

19000 Hubbard Drive, Dearborn, MI 48128



Program Agenda		Registration	
4:00pm	Registration Opens	Registration is online at: http://www.emcsociety.org/sectionregistration.html	
5:00pm – 5:45pm	First Half Technical Sessions	Early registration ends Thursday, March 15, 2007 with discounted registration fee!!	
5:45pm – 6:00pm	Networking and Vendor Tables	Late registration fee applies after March 15, 2007.	
6:00pm – 6:45pm	Second Half Technical Sessions	Dinner seating is limited to the first 120 people. Register early.	
6:45pm – 7:00pm	Networking and Vendor Tables	Registrar: Scott Lytle, Phone 734-983-6012, Email s.r.lytle@ieee.org	
7:15pm – 8:00pm	Dinner		
7:30pm – 8:00pm	Award and Announcements (during Dinner)		
8:00pm – 9:00pm	Keynote Address Followed by Q & A		
Keynote Address		Directions to the U of M - Dearborn Fairlane Center	
	<p>“Technology and Michigan: Re-Engineering Government”</p> <p>Teresa (Teri) M. Takai, Director of the Michigan Department of Information Technology (MDIT) and Chief Information Officer (CIO), State of Michigan.</p>	<p>19000 Hubbard Drive, Dearborn, MI 48128</p> <p>Just off of Evergreen Road</p> <p>From the north: take Southfield freeway, exit Ford road; then take Service drive to Hubbard</p> <p>From the south, take Southfield freeway, exit at Michigan Rd, then take service drive to Hubbard</p>	
Technical Session One: 5:00pm – 5:45pm		Technical Session Two: 6:00pm – 6:45pm	
	<p>Chapter II - Vehicular Technology</p> <p>“The Road to AUTOSAR – The New Automotive Embedded Software Solution”</p> <p><i>Bruce Emaus</i> President, Vector CANtech, Chair of IEEE Southeast Michigan Vehicular Technology</p>		<p>Chapter I - Circuits and Systems, Information Theory, and Signal Processing</p> <p>“Telecommunications Global Engineering: What’s Out There For Me?”</p> <p><i>Joseph P. Cool</i> President and Founder of Cool & Associates</p>
	<p>Chapter IV - Antennas & Propagation, Electron Devices, Microwave Theory and Techniques</p> <p>Chapter VI - Geoscience and Remote Sensing</p> <p>“Negative Refractive Index Materials Based on Transmission Lines”</p> <p><i>Dr. Anthony Grbic</i> Professor of Electrical Engineering and Computer Science, University of Michigan, Ann Arbor</p>		<p>Chapter III - Communications And Aerospace Electronics</p> <p>Chapter V - Computer</p> <p>“Integrating static analysis into a software development process”</p> <p><i>Walter W. Schilling, Jr.</i> Ph.D Candidate, University of Toledo</p>
	<p>Chapter VIII - Electromagnetic Compatibility</p> <p>Chapter XII - Control</p> <p>“Percipient signal processing: seeing the unseen in high dimensional spatio-temporal data”</p> <p><i>Dr. Alfred Hero, Fellow, IEEE</i> Professor, Electrical and Computer Engineering, University of Michigan, Ann Arbor</p>		<p>Chapter VII - Power Engineering and Industrial Applications</p> <p>Chapter IX - Power and Industrial Electronics</p> <p>“Power Electronics and the Growing Energy Revolution (introduces power electronics and its major technical challenges)”</p> <p><i>Philip T. Krein</i> IEEE Distinguished Lecturer,</p>
	<p>Chapter X – Engineering Management</p> <p>"You're Dilbert's New Boss – Overview of Engineering Management Issues"</p> <p><i>Robert B. Bishop, Jr., P.E.</i> IEEE Distinguished Lecturer Engineering Management Society</p>		<p>Chapter - XI Engineering in Medicine and Biology</p> <p>“Biosensor Integration and Image Guidance for Robotic Surgery”</p> <p><i>Brady W. King</i> Ph.D Student, Wayne State University</p>
	<p>Chapter XIV - Robotics and Automation</p> <p>“Manufacturing Sight - A history of Machine Vision”</p> <p><i>Robert Sealy</i> Vision engineer for Applied Manufacturing Technologies</p>		<p><i>Luke A. Reisner</i> Ph.D. Student, Wayne State University</p> <p>Professional Activities</p> <p>“What Washington is doing to you, and what we can do about it?”</p> <p><i>Russell T. Harrison</i> Legislative Representative - Grassroots Affairs IEEE-USA</p>
	<p>Chapter XIII – Education</p> <p>“Introducing Young Engineering Students to Automotive Performance Calculations Using Maple 10”</p> <p><i>Dr. Richard Johnston</i> Professor of Electrical Engineering at Lawrence Technological University</p>		<p>Student Activities</p> <p>“Soft Skills to Learn for Your Career”</p> <p><i>Don Bramlett, PE</i> DTE Energy</p>
IEEE Expert Now Courses	<p>Educational Activities, Part I</p> <p>"Home Networking Standards"</p> <p>by <i>Marie-José Montpetit</i> sponsored by the IEEE Communications Society</p>	IEEE Expert Now Courses	<p>Educational Activities, Part II</p> <p>"Computational Intelligence: Natural Information Processing"</p> <p>by <i>Leonid Perlovsky</i>, sponsored by the IEEE Computational Intelligence Society</p>

Vendor Table, Showcase Table and Networking Activities are 4:00-5:00pm, 5:45-6:00pm; & 6:45-7:30pm, Dinner at 7:30pm, Keynote at 8:00pm.

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