

Registration Fees*

Regular.....\$300.00
Retiree / Unemployed.....\$100.00
Full-Time Student.....\$50.00

* Benefits include free online access to journal articles,
discounts to printed journal and conference

Register online at www.tiresociety.org

To ensure the timely preparation of the conference materials, registration before 11:59 pm ET on August 29, 2013, is highly recommended.

Hotel Accomodations

A block of rooms has been reserved at special rates for The Tire Society conference participants at:

Hilton Akron/Fairlawn
3180 W. Market Street.
Akron, Ohio, USA 44333
Telephone: (800) 445-8667
Web: www.akronhilton.com
Special Conference Rate: \$139 single

Parking

Free parking is available adjacent to the hotel.

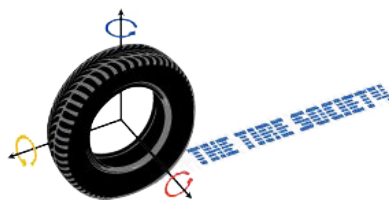
The Tire Society
2851 S. Parker Road, Ste. 560
Aurora, CO 80014
Phone: 720-248-2776
Fax: 303-755-7363
Email: office@tiresociety.org



Day 2 - Wednesday, September 11, 2013

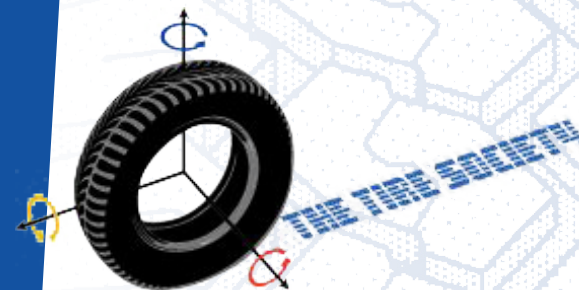
- Continued From Reverse -

12:35	1:30	Lunch - On Your Own	
1:35		Session 8: Intelligent Tire Technology	Chair: Kanwar Bharat Singh
1:40	2:00	A New Methodology for Tire Wear Prediction Part I - Mathematical Derivation	Saied Taheri
2:05	2:25	Wireless Structural Health Monitoring of a Tire Under Steady-State Free-Rolling	Vijaykumar Krithivasan
2:30		Break	
2:40		Session 9: Various Topics	Chair: John Luchini
2:45	3:05	Effect Of Conicity and Ply Steer On Long Combination Vehicle Yaw Plane Motion	James Patterson
3:10	3:35	Tire Transient Lateral Force Generation: Characterization and Contribution to Vehicle Handling Performance	Terence Wei
3:35		Conference Closing Remarks	



www.tiresociety.org

Program Schedule & Registration Information

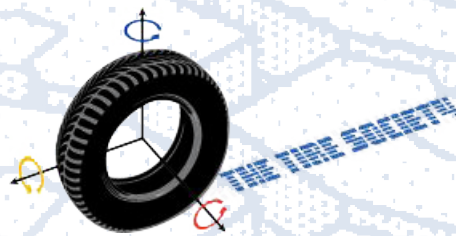


**The Tire Society
32nd Annual Meeting and Conference
on Tire Science and Technology**

**September 10 – 11, 2013
Hilton Akron/ Fairlawn
Akron, Ohio, USA**

www.tiresociety.org

Presentation Schedule
(Times, Presentation Titles & Presenters)



Day 1 - Tuesday, September 10, 2013

Time							
7:30		Registration					
8:50	9:00	Welcome	Ric Mousseau, President			Session 4: Student Competition	Chair: Michelle S. Hoo Fatt
9:00	9:40	Keynote Address	Chuck Yurkovich	3:05	3:30	Simulation of Tire Rolling Resistance Generated On Uneven Road	Chongfeng Wei
9:40	9:45	Conference Opening Remarks	Mohammed Sobhanie, Conference Chair	3:30	3:55	Development and Improvement of Active Vehicle Safety Systems by Means of Smart Tire Technology	Mustafa Ali Arat
		Session 1: Wear Mechanisms	Chair: Marion Pottinger				
9:45	10:10	Link Between Wear and Surface Topology for a Sliding Rubber Sample	Paul Wagner				
10:10	10:35	Average Worn Profile of Tires in Europe	Frédéric Biesse	3:55	4:20	Efficient in-Plane Tyre Mode Identification By Radial-Tangential Eigenvector Compounding	Vasilis Tsinias
10:35	10:45	Break					
		Session 2: Properties of Tire Materials	Chair: Mahmoud Assaad				
10:50	11:15	Ultrasonic Devulcanization of Tire Rubber and Copolymerization of Rubber Blends for Tire Manufacturing	Avraam I. Isayev	4:20	4:30	Break	
						Session 5: Student Competition	Chair: Kory Smith
11:15	11:40	A Study On Rubber Viscoelasticity Using Molecular Dynamics Simulation	Hiroyuki Takahashi	4:35	5:00	Characterization of Road Profiles Based On Texture Parameters and Fractal Properties	Mohammad Motamedi
11:40	12:05	The Use of Rubber Composition-Properties Relationships During Tire Numerical Simulation and Design Optimization	Alexey Mazin	5:00	5:25	Simulation of Heat Build-Up in Aircraft Tires Under High Speed Free Rolling Using Explicit Approach	Mohammad Behroozi
12:05	12:30	Numerical Simulation of Tread Shaping and Material Flow During Tire Manufacturing Process	Minwu Yao	5:25	5:50	A Rigid Ring Tire Model in the Analysis and Development of Anti-Lock Brake Systems	Srikanth Sivaramakrishnan
12:30	1:30	Lunch Distinguished Technical Achievement Award					
1:30	1:35	Session 3: Heavy Truck Tires	Chair: Jim McIntyre				
1:35	2:00	Heavy Truck Driver Workload Investigation	Ryan Pawlowski			End of Day's Papers	
				6:45		Awards Banquet	
2:00	2:25	Commercial Truck Tires - Effect of Tire Inflation Pressure On Tire Footprints & Impact on Fuel Economy, Rolling Resistance, and Mileage	Al Cohn	7:30		Awards Presentation: 2012 Superior Paper	Gary Tubb
2:25	2:50	Costs and Benefits Associate with the Use of NGWBS tires in North America	Joel Neff	7:40		Dinner Speaker: Tim Joseph	
2:50	3:00	Break					

Day 2 - Wednesday, September 11, 2013

7:30		Registration	
8:00	8:05	Conference Opening Remarks	Mohammed Sobhanie, Conference Chair
8:05	8:25	State of the Society	Ric Mousseau, President
8:25	8:30	Session 6: Modeling and Simulation	Chair: Ron Kennedy
8:30	8:55	FEA Of Tire Performance For Snow Traction	Jan Terziyski, Ph.D.
8:55	9:20	Inertial Representation of Non-Axisymmetric Tire Structural Attachments to Perform Steady State and Dynamic Explicit Rolling Tire Analysis	Thulasiram Gobinath
9:20	9:45	Advances in Modeling Rolling Tires	Stephen Vossberg
9:45	10:10	Impact of Initial Thermal Strain and Viscoelasticity of Hybrid Merged Cords On Tire Performance	Xianwei Meng
10:10	10:20	Break	
10:20	11:15	Plenary Lecture	Bill Langer
11:15		Session 7: Durability	Chair: Michael Kaliske
11:20	11:40	Design & Analysis Paradigm for Gauging Thermomechanochemical Aging of Tires	Joseph Padovan
11:45	12:05	Evaluation of the Sidewall Crack Life By Fatigue Test of Sidewall Compound and Finite Element Method	Min Sung Kang
12:10	12:30	Aging Mechanisms Involving Oxygen and Strain in Tire Beltcoat Compound	Ed Terrill
		- Continued On Reverse -	