



Call for Papers

30th Annual Conference on Tire Science and Technology

September 13 & 14, 2011

**Hilton Akron/Fairlawn
Akron, Ohio, USA**

Abstracts due: March 31, 2011

Submit Electronically at <http://rubber.confex.com/rubber/30ab/cfp.cgi>

All communications regarding your paper will be emailed from 'rubber@confex.com'. Be sure to add this email address to your safe senders list.

Authors are invited to submit abstracts of papers on topics related to tire materials, mechanics, processing, manufacturing, and applications. The papers are intended for presentation at the 2011 conference and publication in the society's journal. Conference technical sessions are now being planned based on submitted abstracts. The following are example topics:

- Tire Performance / Tire Mechanics
- Tire / Vehicle Dynamics
- Tire Design and Development
- Rolling Resistance / Traction / Tread Wear
- Tire Noise
- Tire Influences on Ride / Harshness
- Tire Performance on Non-Dry / Deformable Surfaces
- Techniques for Model and Laboratory Test Validation
- Tire Test Procedure Development and Application
- Tire Interaction with Electronic Stability Control
- Predictive Models
- Properties of Tire Materials
- Fracture and Adhesion in Tires
- Aging and Endurance of Tires
- Advances in Tire Manufacturing Processes
- Tire Requirements for Future Vehicles (e.g., fuel cell, hybrid)
- Applications of Intelligent Tire Technology
- Examples of Virtual Tire Development

Abstracts will be selected on the basis of technical merit and timeliness. Submission details are provided below (page 2).

Conference Information

The Tire Society is hosting its 30th annual business meeting and conference on **Tire Science and Technology** during **September 13 & 14, 2011** at the **Hilton Akron/Fairlawn** hotel in **Akron, Ohio, USA**. This international conference is attended by a large number of engineers & scientists from the tire & vehicle industries, academia, & government. In addition to technical sessions of submitted papers, the conference features a keynote address given by a corporate leader in the tire industry, a plenary lecture given by a leading scientist, & an awards banquet with an after-dinner speaker. The Hilton Akron/Fairlawn hotel is located at 3180 W. Market Street, Akron, Ohio 44333 USA.

The conference fee is \$250 US, \$200 US for members, \$100 US for retiree members, \$50 US student members. Group discounts available. The fee covers attendance for the two day conference, first day luncheon, award banquet reception refreshments and dinner, session break snacks and refreshments. For accommodations, the Hilton Akron/Fairlawn hotel is offering a special Tire Society rate of \$99/night. The Akron area also offers many hotels, restaurants, lounges and entertainment facilities. Cleveland Hopkins International Airport (CLE) and Akron-Canton Regional Airport (CAK) are each within 30 minutes.

Membership Information

A one year Tire Society membership is \$100 US (Full-time students \$15 US, Retirees \$25 US) and includes an online subscription to Tire Science & Technology Journal which includes access to the complete set of journal archives.

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| Conference Program Committee | <u>Chair:</u> <i>Saied Taheri, Virginia Polytechnic Institute and State University</i> <u>Co-Chair:</u> <i>Lin Kung, Kumho America Technical Center</i> |
| Contact Information | Saied Taheri at: conference2011@tiresociety.org , ; Voice: 434-766-6758 |

Call for Papers

Information For Authors

Contact Information

Questions regarding submitting a paper should be emailed to 2011 Conference Program Chair *Saied Taheri* at: conference2011@tiresociety.org, Voice: 434-766-6758

Abstracts

Abstracts of papers intended for presentation should be submitted by **March 31, 2011**. Abstracts should observe style conventions as exemplified in *Tire Science and Technology*. Authors are encouraged to visit the Tire Society website where abstracts are available for perusal. Abstracts must be submitted online using the URL as indicated above. NO submissions will be accepted via email or regular postal mail. Please note that abstracts may be edited to provide consistent style for publication on the Society's web site and in the conference abstract booklet. An example abstract can be found at: www.tiresociety.org/mainpages/SampleAbstract.html.

Speaker Information

Speakers are allotted 20 minutes for conference presentation. Please submit online your paper title, abstract, contact and biographical information, manuscript, and PowerPoint. All required information must be submitted online no later than **August 1, 2011**. You will receive a confirmation email from 'rubber@confex.com' once the paper has been accepted.

Paper Achievement Awards

Paper presentations are judged for **Superior Paper Award & Honorable Mention Award**. A special **Student Paper Award** of **\$500** will be given to the best paper authored by a university student (details available at www.tiresociety.org/pdf/StudentPaperAward_Flyer.pdf). To be considered for awards, the abstract and paper must be submitted by the deadlines.

Manuscript of Paper

Final paper manuscripts must be submitted online by **August 1, 2011**, unless prior arrangements have been made with the program chair. To be eligible for awards, papers must be submitted by the date of the conference. Submitted papers will be considered for publication in *Tire Science and Technology*. Only papers not previously published will be accepted, and authors must agree not to publish elsewhere a paper submitted to and accepted by the Society.

Manuscripts of submitted papers should observe style conventions as exemplified in *Tire Science and Technology*. See the Tire Society website for more information.

Order of Assembly:

- | | |
|---|--|
| a. Title page (including the authors' complete mailing address) | d. Bibliography |
| b. Abstract and keywords | e. List of table titles, followed by tables |
| c. Body of manuscript | f. List of figure captions followed by figures |

SI units should be used throughout the text and on the figures; authors may include other units in parentheses.

Manuscripts must be double-spaced and must be submitted to the program committee in MS Word format using the URL as indicated above. NO submissions will be accepted via email or regular postal mail. An example paper can be found at: www.tiresociety.org/mainpages/Example-Manuscript.html.

A Transfer of Copyright form must be completed online. No papers will be accepted if the Transfer of Copyright agreement is not completed.

About The Society

The Tire Society is a not-for-profit organization, managed by a duly elected executive board of tire industry professionals who serve on a volunteer basis. The society was established to disseminate knowledge and stimulate scientific and engineering development in the science and technology of tires through seminars, technical meetings, and publication of its authoritative journal, *Tire Science and Technology*.

2011 Officers:

President: *Dale Moseley, The Goodyear Tire & Rubber Co.*
Vice-President: *Ric Mousseau, Michelin Americas R&D Corp.*
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