

A TechnoBiz Event

USA ★★★★★ Rubber Industry Forum 2016

Organizer **TECHNOBIZ**

18-22 July 2016, Pittsburgh, Pennsylvania

Venue: Crowne Plaza Hotel & Suites Pittsburgh South

T: 615-443-0094 E: inquiry@technobiz-usa.com Web: www.technobiz-usa.com

**18 July 2016
(Monday)**

**19 July 2016
(Tuesday)**

**20 July 2016
(Wednesday)**

**21 July 2016
(Thursday)**

**22 July 2016
(Friday)**

3-Day Conference

Rubber Mixing & Compounding; Rubber Molding & Processing;
Cost Reduction & Quality Control

3-Day Exhibition

Rubber Raw Materials, Rubber Chemicals & Additives, Rubber Compounders
& Custom Mixers, Rubber Machinery & Auxiliary Equipment, Rubber Testing
Equipment, Tire Technology, Rubber Recycling, Rubber Molding Equipment,
Molded Rubber Parts, Latex Chemicals & Machinery

Training Seminars

**Compounding
& Mixing**

Training Seminars

**Molding
& Processing**

New !!!

**USA Rubber Industry Dinner 2016
USA Rubber Technologist 2016 Award**

REGISTER ONLINE

<https://technobiz.rubber.guru>

Strategic Partners

RubberWorld *TechnoBiz+RubberWorld+CURC Publication
GRTE Digest
Technical Magazine for the Rubber, Latex & Tire Industries



Corporate Sponsor





Joe Walker



Robert Schuster



Ed Terrill



Gerd Schmaucks



Bob Brentin



John Dick



Kala Sridharan



Steve Wilson



Terry Chapin



Van Walworth



Hans-Joachim Graf



Adrian Leu



Juergen Trimbach



Kevin Kulbaba



Markus Hoffmann



Miles Dearth



Robin Rhodes



Greg Li



Donald Madda



Ray C Hetherington



Richard Jorkasky



Alison Sikorsky



Sam Visaisouk

Exhibition

Based on feedback from exhibitors and delegates, the exhibition section has been expanded to include a broader range of the rubber manufacturing & technology supply chain.

Table-Top Booth Cost: 1,500 US\$ Each table-top slot will have long-table with two chairs and space around to display banners. Power-supply will be provided upon request. No heavy equipment can be displayed at the exhibition. Exhibitors are encouraged to bring their own LED TV and appropriate stand for demonstration purpose. Exhibitors receive One(1) complimentary Conference Forum delegate admission ticket.

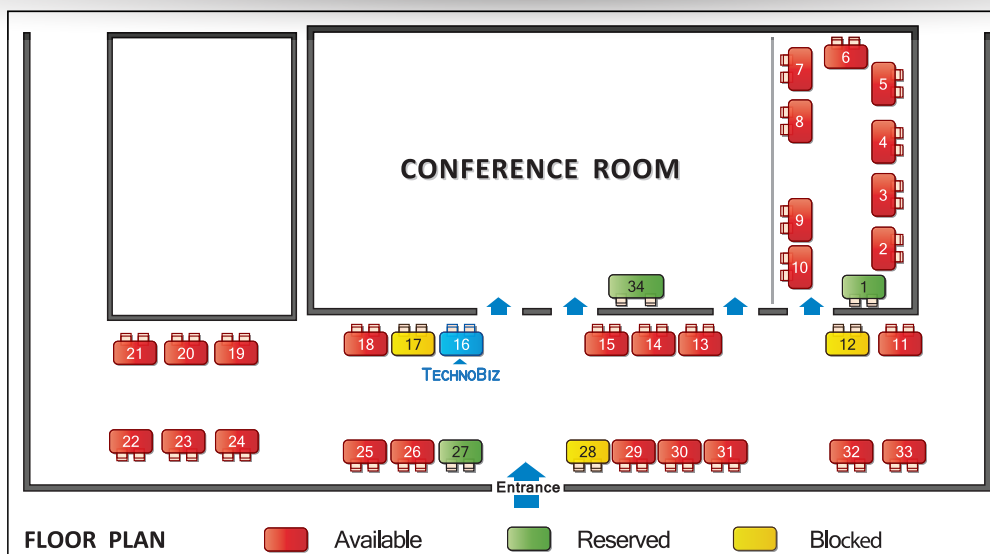
Exhibitor Profile: Rubber Raw Materials; Rubber Chemicals & Additives; Rubber Compounders & Custom Mixers; Rubber Machinery & Auxiliary Equipment; Rubber Testing Equipment; Tire Technology; Rubber Recycling; Rubber Molding Equipment; Molded Rubber Parts; Latex Chemicals & Machinery

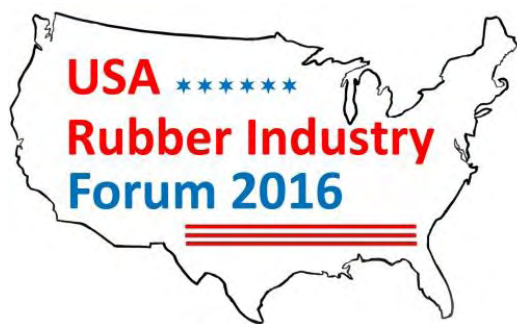
Available Booths: approx. 30 Table-top slots. The allocation will be done as first come first serve.

Exhibition Opening Hours: 19-21 July 2016 (3 Days only) (10am –5pm)

Visitors Entry: All pre-registered rubber industry professionals and colleagues can visit exhibit area for FREE. Exhibition is open for both delegates and non-delegates. All registered exhibitors are encouraged to invite their own customers and rubber industry professionals to visit the exhibition.

Please contact TechnoBiz
for the latest floor plan





18-22 July 2016

Pittsburgh, Pennsylvania, USA

Organized by **TECHNOBIZ**

www.technobiz-usa.com

Technical Program Schedule

DAY-1 (18 July 2016) (MONDAY) (Training Courses – Compounding & Mixing)

09.00-10.30 hrs	Rubber Mixing and Testing for Compound Consistency - Part 1	Joe Walker, USA
09.00-10.30 hrs	Good Rubber Compounding Practices - Part 1	Dr. Hans-Joachim Graf, Germany
09.00-10.30 hrs	Synergistic Effects of Accelerator Combinations to Improve Curing	Prof. Robert Schuster, Germany
10.30-11.00 hrs	COFFEE/TEA BREAK	
11.00-12.30 hrs	Rubber Mixing and Testing for Compound Consistency - Part 2	Joe Walker, USA
11.00-12.30 hrs	Good Rubber Compounding Practices - Part 2	Dr. Hans-Joachim Graf, Germany
11.00-12.30 hrs	Increased Mixing Efficiency by Functional Raw Materials	Prof. Robert Schuster, Germany
11.00-12.30 hrs	Internal Mixers and Mixing Parameters	Richard J. Jorkasky, USA
12.30-13.30 hrs	LUNCH BREAK	
13.30-15.00 hrs	Silicone Rubber Chemistry & Technology - Part 1	Joe Walker, USA
13.30-15.00 hrs	Good Rubber Compounding Practices - Part 3	Dr. Hans-Joachim Graf, Germany
13.30-15.00 hrs	Salient Aspects of Rubber Compounding	Sridharan Padmanabhachari, India
13.30-15.00 hrs	Using Rheological Data to Detect and Solve Rubber Factory Problems	John Dick, USA
15.00-15.30 hrs	COFFEE/TEA BREAK	
15.30-17.00 hrs	Silicone Rubber Chemistry & Technology - Part 2	Joe Walker, USA
15.30-17.00 hrs	Good Rubber Compounding Practices - Part 4	Dr. Hans-Joachim Graf, Germany
15.30-17.00 hrs	Influence of the Chemical Nature of Rubber on Rate and Efficiency of Cure	Prof. Robert Schuster, Germany
15.30-17.00 hrs	Rubber Process Oils: Principles & Applications	Dr. Markus Hoffmann, Sweden

DAY-2 (19 July 2016) (TUESDAY) (Conference Program)

09.00-09.30 hrs	Effect of Filler Type and Mix Method on Abrasion Resistance	Edward R Terrill, USA
09.30-10.00 hrs	Increases Mixing Efficiency by Tailored Raw Materials	Prof. Robert Schuster, Germany
10.00-10.30 hrs	Recent Developments using Soy Products in Rubber Formulations	Robert Brentin, USA
10.30-11.00 hrs	COFFEE/TEA BREAK	
11.00-11.30 hrs	Common Mistakes in Rubber Compounding and Processing	Dr. Hans-Joachim Graf, Germany
11.30-12.00 hrs	Continuous Final Mixing & Proportional Blending with Extruder Gear Pumps	Dave Grepp, USA
12.00-12.30 hrs	Industrial Implementation of the Integrated Continuous Mixing iCOM® Using the Inline Process Control Rhenowave®	John Pawlikowski, USA
12.30-13.30 hrs	LUNCH BREAK	
13.30-14.30 hrs	GROUP DISCUSSION : Silica Mixing	
14.30-15.00 hrs	Filler Blends to Optimize the Performance of Cable Compounds	Dr. Gerd Schmaucks, Germany
15.00-15.30 hrs	COFFEE/TEA BREAK	
15.30-16.00 hrs	Improving Rubber Performance with Naphthenic Plasticizers	Dr. Markus Hoffmann, Sweden
16.00-16.30 hrs	Advances in Rubber Mixing: Studies on Engineered Inorganic Microsphere Process Aids	Miles Dearth, USA
16.30-17.00 hrs	Mixer Rotor Designs: Pleasant Surprises	Richard Jorkasky, USA
19.00-21.00 hrs	USA Rubber Industry Executive Dinner 2016	

DAY-3 (20 July 2016) (WEDNESDAY) (Conference Program)

09.00-09.30 hrs	Silicone Elastomers with Exceptional Elongation	Dr. Alison Sikorsky, USA
09.30-10.00 hrs	Vulcanization of Diene Rubbers – from the Basics to Application	Prof. Robert Schuster, Germany
10.00-10.30 hrs	Next Generation TSR Products	Dr. Kevin Kulababa, Canada
10.30-11.00 hrs	COFFEE/TEA BREAK	
11.00-11.30 hrs	Devulcanized Scrap Tire Rubber Use in Tire Manufacturing	Dr. Sam Visaisouk, USA
11.30-12.00 hrs	EPDM Rubber Compound Mixing-Molecular Architecture & Process Parameters effect	Dr. Greg Li, USA
12.00-12.30 hrs	Use of Operating TMPH Rating System in the Tire Quality Assessment and Control	Adrian Leu, USA
12.30-13.30 hrs	LUNCH BREAK	
13.30-14.30 hrs	GROUP DISCUSSION : Experience with Process Automation in Rubber Processing	
14.30-15.00 hrs	Metal Oxides: A Primer in the Manufacture and Use of MgO, CaO and ZnO	Anthony Mariniello, USA
15.00-15.30 hrs	COFFEE/TEA BREAK	
15.30-16.00 hrs	Preparation and Dynamic Properties of an Antisotropic Natural Rubber Film	Prof. Srecko Valic, Croatia
16.00-16.30 hrs	Effect of Rubber Homogeneity on Molecular Dynamics	Prof. Srecko Valic, Croatia



18-22 July 2016

Pittsburgh, Pennsylvania, USA

Organized by **TECHNOBIZ**

www.technobiz-usa.com

Technical Program Schedule

DAY-4 (21 July 2016) (THURSDAY)		(Conference Program)
09.00-09.30 hrs	5 Reasons to Celebrate Tool Cleaning in Rubber Molding	Steve Wilson, USA
09.30-10.00 hrs	Rubber Molding : Where is the Progress	Dr. Hans-Joachim Graf, Germany
10.00-10.30 hrs	Process Troubleshooting of Cryogenic Defects	Don Madda, USA
10.30-11.00 hrs	COFFEE/TEA BREAK	
11.00-11.30 hrs	Silicone Injection Molding for HCR Compounds	Ray Hetherington, USA
11.30-12.00 hrs	Flash Buster Valve – Vent & Air-Poppit	Van Walworth, USA
12.00-12.30 hrs	GROUP DISCUSSION : Process Improvement in Rubber Molding	
12.30-13.30 hrs	LUNCH BREAK	
13.30-14.30 hrs	GROUP DISCUSSION : New Concepts in Rubber Mold Design	
14.30-15.00 hrs	COFFEE/TEA BREAK	
15.00-16.00 hrs	GROUP DISCUSSION : Cost Saving Opportunities in Rubber Processing	
DAY-5 (22 July 2016) (FRIDAY) (Training Courses – Rubber Molding & Processing)		
09.00-10.30 hrs	Essentials of Rubber Technology – Part 1	Joe Walker, USA
09.00-10.30 hrs	Rubber Rules & Behavior of Rubber	Van Walworth, USA
09.00-10.30 hrs	Mold Fouling and Prevention	Dr. Hans-Joachim Graf, Germany
09.00-10.30 hrs	Cryogenic Deflashing	Robin Rhodes, USA
10.30-11.00 hrs	COFFEE/TEA BREAK	
11.00-12.30 hrs	Essentials of Rubber Technology – Part 2	Joe Walker, USA
11.00-12.30 hrs	Dynamic Durability and Life Time Predictions for Molded Parts	Prof. Robert Schuster, Germany
11.00-12.30 hrs	Rubber Compound Rheology and Mold Design	Dr. Hans-Joachim Graf, Germany
11.00-12.30 hrs	Selection of the Molding Process for Rubber Parts	Terry Chapin, USA
11.00-12.30 hrs	Registration, Tear-Trims, Over-Flows	Van Walworth, USA
12.30-13.30 hrs	LUNCH BREAK	
13.30-15.00 hrs	Cryogenic Deflashing Safety (Best & Worst Practices)	Don Madda, USA
13.30-15.00 hrs	Setting up a Rubber Molding Process – Part 1	Joe Walker, USA
13.30-15.00 hrs	Nine Steps to Injection Molding Optimization	Dr. Hans-Joachim Graf, Germany
13.30-15.00 hrs	Mold Preform Preparation, Storage, Handling, Placement	Van Walworth, USA
13.30-15.00 hrs	Basic Rubber Product Material Selection Overview	Terry Chapin, USA
15.00-15.30 hrs	COFFEE/TEA BREAK	
15.30-17.00 hrs	Setting up a Rubber Molding Process – Part 2	Joe Walker, USA
15.30-17.00 hrs	Energy Management for Rubber Molding	Van Walworth, USA
15.30-17.00 hrs	Principles of Rubber Molding using Vacuum	Terry Chapin, USA

Participation Fee

Technical Sessions:

- Conference (19-21 July 2016): 650 US\$/Person
- Training Session 1 (18 July 2016): 450 US\$/Person
- Training Session 2 (22 July 2016): 450 US\$/Person
- Conference + Both Training Sessions (18-22 July 2016): 1250 US\$/Person

Networking Events

- USA Rubber Industry Executive Dinner 2016 (19 July 2016): 50 US\$/Person

Exhibition & Sponsorship

- Table-top Booth: 1500 US\$
- Corporate Sponsorship: 3000 US\$

Registration Procedure

Online at **technobiz.rubber.guru**

Contact Address

TechnoBiz USA Inc., 410 Blair Lane, Lebanon, Tennessee 37087 USA
 Tel: +1-615-443-0094 Fax: +1-615-443-0082 Email: inquiry@technobiz-usa.com Website: www.technobiz-usa.com