

CW 2013

COMPOSITESWORLD

CARBON FIBER

SCHEDULE

SPONSORED BY:



MONDAY, DECEMBER 9

Noon-1:30 Registration for Preconference Seminar

1:30-5:00 Preconference Seminar (Separate fee required)
Emerging Opportunities and Challenges for Carbon Fiber in Passenger Automobiles – Is the CFRP Industry Ready for Mass Production?
CHRIS RED / Principal / Composites Forecasts and Consulting, LLC (CFC)

6:00-8:00 Registration & Opening Cocktail Reception
Sponsored by: Harper International – Platinum Sponsor

TUESDAY, DECEMBER 10

7:15 a.m. Registration
Lanyards sponsored by:
Izumi / Kamitsu – Silver Sponsor

Continental Breakfast
Sponsored by: Knoxville Oak Ridge Innovation Valley – Gold Sponsor

8:15 Welcome, Introductions and Conference Overview

8:30 Keynote Presentation
Carbon Fiber Technology for Aerospace – Today and Tomorrow
TIA BENSON TOLLE / Director of Advanced Materials, Product Development / Boeing Commercial Airplanes

9:00 Producing Thermoplastic Matrix Composites for Aeronautical Applications Under Industrial Scale Conditions
ANGELOS MIARIS / Premium AEROTEC GmbH

9:30 Carbon Fiber Composite Production for the LEAP Fan Module
BRUNO DAMBRINE / SNECMA

10:00 Refreshment Break
Sponsored by: The State of Tennessee – Bronze Sponsor

10:30 Insight into the Cost Structure of Composite Manufacturing Using Cost Modeling
ROBERT JUDD / Center for Advanced Software Systems Integration, Ohio University

11:00 Analysis and Optimization of Composite Structures – Challenges and Opportunities
BRETT CHOUINARD / Altair

11:30 Deconstructing the Carbon Fiber Marketplace
STEVEN CARMICHAEL / Mitsubishi Carbon Fiber & Composites

12:00 Title to be Confirmed
JASON CARLING / Toho Tenax America

12:30 Networking Luncheon
Sponsored by: Toho Tenax America – Gold Sponsor

1:30 A Hybrid Composite/Metal Gear Concept for Rotorcraft Drive Systems
GARY D. ROBERTS / NASA Glenn Research Center

2:00 Opportunities and Challenges for Carbon Fiber in the Wind Energy Industry
STEPHEN B. JOHNSON / GE Wind

2:30 Carbon Fiber Usage in the Wind Energy Industry
AARON BARR / MAKE Consulting

3:00 Refreshment Break
Sponsored by: The State of Tennessee – Bronze Sponsor

3:30 Design and Fabrication of the DVA-1 Radio Antenna
GORDON LACY / NRC Canada

4:00 Lighter, Stronger, Greener: How Carbon Fiber is Modernizing Precast Concrete!
JOHN M. CARSON / AltusGroup, Inc

4:30 Title to be Confirmed
Speaker to be Confirmed / Globe Machine Manufacturing Co.

5:00 Export Controls and the Carbon Fiber Industry
JOHN LARKIN / LTI Associates

5:45 Conference Adjourns

6:00 Grand Cocktail Reception
Sponsored by: C.A. Litzler Co., Inc. - Diamond Sponsor

WEDNESDAY, DECEMBER 11

7:15 a.m. Continental Breakfast
Sponsored by: The University of Tennessee

8:15 Midconference Summary and Announcements

8:30 Keynote Presentation
Future Opportunities for Advanced Automotive Composites and Challenges to Implementation
PATRICK BLANCHARD / Technical Leader – Composites / Ford Research & Advanced Engineering

9:00 Next Generation Carbon Fiber Composites: Beyond Medium Volume
GARY R. LOWNSDALE / Plasan Carbon Composites

9:30 Alternative Precursors for Sustainable and Cost-effective Automotive Carbon Fibers
HENDRIK MAINKA / Volkswagen Group of America, Inc.

10:00 Refreshment Break
Sponsored by: The State of Tennessee – Bronze Sponsor

10:30 Automotive Light Weighting Opportunities & Challenges
PROBIR GUHA & MIKE SIWAJEK / Continental Structural Plastics

11:00 Development of Hyperco Carbon-composite “Bellows Spring”™ (CCBS) System for Automotive Suspensions
MARK CAMPBELL / Hyperco Division, MW Industries

11:30 Application and Processing of Complex Fabrics for Lightweight Structures
CHRIS MCHUGH / Sigmamex (UK) Ltd

12:00 Manufacturing of Carbon Fiber Reinforced LFT-D Parts
TOBIAS POTYRA / Fraunhofer Project Center @ Western University

12:30 Networking Luncheon
Sponsored by: Oak Ridge Carbon Fiber Composites Consortium – Gold Sponsor

1:30 Out of the Box Composites with Braided Reinforcements
DAVE KEHRL / A&P Technology

2:00 High Speed Compression Molding by Induction
MATHIEU BOULANGER / Roctool

2:30 Planning for Ripe Fruit: Materials Innovation Lifecycles as a Scouting Tool
ANTHONY VICARI / Lux Research

3:00 Carbon Fiber Nanocomposites
LANCE CRISCUOLO / Zyvech Technologies

3:30 Refreshment Break
Sponsored by: The State of Tennessee – Bronze Sponsor

4:00 3D Printing with Carbon Fiber Reinforcement
CHAD DUTY / Oak Ridge National Laboratory

4:30 New Carbon Fiber Materials Based on Sustainable Resources for Energy Applications
TRACY ALBERS / GrafTech International

5:00 Carbon Fiber Powering America's Big Rigs (to be confirmed)
Speaker to be Confirmed / Quantum Technologies Inc.

5:30 Conference Summary and Conclusions

5:45 Happy Hour Networking Event
Sponsored by: A&P Technology Inc.- Gold Sponsor

THURSDAY, DECEMBER 12

8:00–11:30 a.m. Tour
ORNL Carbon Fiber Technology Facility (CFTC) (Optional)

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