



# WINTER MEMBERS MEETING

January 29-31, 2019 | Indianapolis Marriott Downtown

## AGENDA

Marriott Indianapolis Downtown | 350 W Maryland St., Indianapolis, IN 46225

Agenda is subject to change. Visit the Event website at [iacmi.org/winter-2019-members-meeting](http://iacmi.org/winter-2019-members-meeting) for more details.

*All times listed in EST			TUESDAY, JANUARY 29
10:00am – 5:00pm	<b>Pre-Scheduled Project Meetings</b> Email <a href="mailto:jblue@iacmi.org">jblue@iacmi.org</a> for more information. Currently there are more than 50 technical projects with over 90 participating organizations.	<b>Marriott Downtown</b> Visit Registration Desk for Details	
12:00pm – 1:00pm	<b>Lunch provided</b>	<b>Marriott Downtown</b> Indiana Foyer	
3:00pm – 4:30pm	<b>Pre-Conference Sessions: Working with IACMI</b> <ul style="list-style-type: none"><li><b>3:00pm – 3:30pm Collaboration as a Way to Innovation: Opportunities for Innovation and Workforce Development</b> <i>Cliff Eberle, IACMI; Joannie Harmon Heath, IACMI</i></li><li><b>3:30pm – 4:00pm Overview of Project Portfolio</b> <i>John Unser, IACMI</i></li><li><b>4:00pm – 4:30pm New Member Session</b> <i>Jarrod Blue, IACMI; Hannah Jay, IACMI; Catherine Ross, IACMI</i></li></ul>	<b>Marriott Downtown</b> Indiana F	

WEDNESDAY, JANUARY 30		
7:00am – 8:00am	<b>Registration and Breakfast</b>	<b>Marriott Downtown</b> Indiana Foyer
8:00am – 8:30am	<b>Opening Remarks</b> <i>Aaron Vigil-Martinez, Indiana Economic Development Corporation</i> <i>Elaine Bedel, Indiana Economic Development Corporation</i>	<b>Marriott Downtown</b> Indiana Ballroom
8:30am – 9:00am	<b>IACMI State of the Institute</b> <i>John Hopkins, IACMI</i>	<b>Marriott Downtown</b> Indiana Ballroom
9:00am – 9:30am	<b>Global Vision for Advanced Composites</b> <i>Tom Dobbins, ACMA</i>	<b>Marriott Downtown</b> Indiana Ballroom
9:30am – 9:45am	<b>Purdue Facility Overview and Introduction</b> <i>Jan-Anders Mansson, Purdue University</i>	<b>Marriott Downtown</b> Indiana Ballroom
9:45am – 10:15am	<b>Break and Exhibits</b>	<b>Marriott Downtown</b> Indiana Foyer

Wednesday agenda continued on next page.

# AGENDA

## Wednesday agenda continued:

10:15am – 11:45am	Technical Breakout Sessions:		Marriott Downtown
	<b><u>Materials</u></b> Indiana Ballroom Moderator: Brian Rice, UDRI	<b><u>Innovation Spaces</u></b> Indiana F Moderator: Dale Brosius, IACMI	<b><u>Modeling and Simulation</u></b> Indiana G Moderator: Johnathan Goodsell, Purdue University
10:15am – 10:40am	<b>Integrating Composites into the Friendship Bell Park</b> <i>Uday Vaidya, IACMI</i>	<b>IACMI Facilities Update</b> <i>Dale Brosius, IACMI</i>	<b>Investigating Manufacturing Defects in Wind Blade Spar Caps</b> <i>Nathan Sharp, Purdue University</i>
10:45am – 11:10am	<b>Scale-Up of Next Generation Nano-Enhanced Composites Materials for Longer Lasting Consumer Goods</b> <i>Paul Jarosz, N12 Technologies</i>	<b>Industry 4.0 Approach to Smart Composite Manufacturing</b> <i>Josh Dustin, Purdue University</i>	<b>Affordable and Predictable Composites</b> <i>Roger Assaker, E-Xstream Engineering</i>
11:15am – 11:40am	<b>The Importance of Fiber Sizing and New Research Efforts</b> <i>Steve Bassetti, Michelman</i>	<b>Improved Utilization of New Composites Technologies in Manufacturing Plants</b> <i>Andrew Pokelwaldt, ACMA</i>	<b>Manufacturing Informed Crash Simulation of Prepreg Platelet Molding Compound Composites</b> <i>Rebecca Cutting, Purdue University</i>
11:45pm – 12:30pm	<b>Lunch and Exhibits</b>		<b>Marriott Downtown</b> Indiana Foyer
12:30pm	<b>Shuttle departs for Indiana Manufacturing Institute</b> Shuttles load from the Marriott Indiana Ballroom Foyer		<b>Marriott Downtown</b>
2:00pm – 4:30pm	<b>Ribbon Cutting for the Manufacturing Design Lab at Purdue University's Indiana Manufacturing Institute (IMI)</b> <ul style="list-style-type: none"> <li><b>2:00pm – 3:00pm</b> Open house to include tours and demonstrations of the IMI labs. Learn more about projects in CMSC and meet simulation partners.</li> <li><b>3:00pm</b> Remarks               <ul style="list-style-type: none"> <li><i>Byron Pipes, Executive Director of CMSC at Purdue University</i></li> <li><i>Jim Schellinger, Indiana Secretary of Commerce</i></li> <li><i>Mitch Daniels, Purdue University President</i></li> <li><i>Mung Chiang, Purdue University Dean of Engineering</i></li> <li><i>Jan-Anders Mansson, Distinguished Professor of Materials and Chemical Engineering at Purdue University</i></li> </ul> </li> <li><b>3:30pm – 4:30pm</b> Open house to include tours and demonstrations</li> </ul>		<b>Indiana Manufacturing Institute</b> 1105 Challenger Ave., West Lafayette, IN 47906
4:30pm	<b>Shuttle departs for Networking Reception at Dallara IndyCar Factory</b> Shuttle 1: to Marriott, then Dallara Shuttle 2: directly to Dallara		<b>Dallara IndyCar Factory</b> 1201 N Main St., Speedway, IN 46224
6:00pm – 9:00pm	<b>Networking Reception at Dallara IndyCar Factory</b>		<b>Dallara IndyCar Factory</b>
8:30pm – 9:00pm	<b>Shuttles depart in intervals to return to Marriott Downtown</b>		<b>Marriott Downtown</b>

# AGENDA

## THURSDAY, JANUARY 31

7:30am – 8:30am	<b>Registration and Breakfast</b>		<b>Marriott Downtown</b> Indiana Foyer
8:30am – 8:45am	<b>Welcome</b> <i>Dale Brosius, IACMI</i>		<b>Marriott Downtown</b> Indiana Ballroom
8:45am – 9:15am	<b>Collaboration as a Way to Accelerate Innovation</b> <i>Rick Neff, Cincinnati Inc.</i>		<b>Marriott Downtown</b> Indiana Ballroom
9:15am – 10:00am	<b>Technology Roadmapping: The Future of Automotive Mobility</b> <i>Uday Vaidya, IACMI</i>		<b>Marriott Downtown</b> Indiana Ballroom
10:00am – 10:45am	<b>SME Member Highlight</b> <i>Dale Brosius, IACMI</i> <ul style="list-style-type: none"> <li><i>Dave Singer, Wabash MPI</i></li> <li><i>Austin Schmidt, Additive Engineering Solutions</i></li> <li><i>Ira Stone, MiniFIBERS, Inc.</i></li> <li><i>Sarah Bernstein, Bossard</i></li> <li><i>Frederick Fiddler, KRÜSS USA</i></li> </ul>		<b>Marriott Downtown</b> Indiana Ballroom
10:45am – 11:15am	<b>Break and Exhibits</b>		<b>Marriott Downtown</b> Indiana Ballroom
11:15am – 12:45pm	<b>Technical Breakout Sessions:</b>		<b>Marriott Downtown</b>
	<b>Prototyping</b> Indiana Ballroom <i>Moderator: Erin Brophy, IACMI</i>	<b>Technical Collaborations</b> Indiana F <i>Moderator: Uday Vaidya, IACMI</i>	<b>Workforce and Economic Development</b> Indiana G <i>Moderator: Joannie Harmon Heath, IACMI</i>
11:15am – 11:40am	<b>Thermoplastic Composite Development for Wind Turbine Blades</b> <i>Dana Swan, Arkema</i>	<b>Additive Metal Tooling</b> <i>Andrzej Nycz, Oak Ridge National Laboratory</i>	<b>IACMI Internship Program and Training Events</b> <i>Joannie Harmon Heath, IACMI; Emily King Kinsey, IACMI</i>
11:45am – 12:10pm	<b>Continuous Health Monitoring of Composite Pressure Vessels</b> <i>Dayakar Penumadu, University of Tennessee</i>	<b>Textile Carbon Fiber: Overmolding Injection and Extrusion Overmolding</b> <i>Uday Vaidya, IACMI</i>	<b>Featured Intern Panel</b> <i>Moderator: Rodney Cowden, Purdue University; Panelists:</i> <ul style="list-style-type: none"> <li><i>Orzuri Rique-Garaizar, Purdue University and Dassault Systèmes</i></li> <li><i>Jessica Lavorata, IACMI and Purdue University</i></li> <li><i>Rebecca Cutting, Purdue University</i></li> <li><i>Tony Favaloro, Purdue University and Dassault Systèmes</i></li> <li><i>Justin Miller, Purdue University and Dassault Systèmes</i></li> </ul>
12:15pm – 12:40pm	<b>Manufacturing Informed Performance of SMC Liftgate</b> <i>Mike Bogdanor, Purdue University</i>	<b>Composite Recycling and Additive Manufacturing: An Overview of Possibilities</b> <i>Alice Havill, Vartega</i>	<b>Business Partner Discovery</b> <i>Danny Norman, Tennessee Manufacturing Extension Partnership</i>
12:45pm – 1:00pm	<b>Closing Remarks</b> <i>John Hopkins, IACMI</i>		<b>Marriott Downtown</b> Indiana Ballroom
1:00pm – 2:00pm	<b>Lunch and Exhibits</b>		<b>Marriott Downtown</b> Indiana Foyer
1:00pm – 2:00pm	<b>Roadmapping Working Group Lunch</b>		<b>Marriott Downtown</b> Florida/Illinois
1:00pm – 5:00pm	<b>Pre-Scheduled Project Meetings</b> Email <a href="mailto:jblue@iacmi.org">jblue@iacmi.org</a> for more information. Currently there are more than 50 technical projects with over 90 participating organizations.		<b>Marriott Downtown</b> Visit Registration Desk for Details