



Advanced Materials Industrial Consortium
UNIVERSITY OF WISCONSIN-MADISON

2023 AMIC Annual Meeting on Artificial Intelligence

Wednesday, March 22

8:30 AM - 4:30 PM

Agenda

8:30 AM	BREAKFAST AND REGISTRATION
9:00 AM	Welcome, Announcements & Consortium Overview <i>Xiujuan (Jane) Zhang, AMIC Director, OCR Research Services Engagement Manager</i> <i>Paul Evans, Professor, Materials Science and Engineering, University of Wisconsin-Madison</i>
9:15 AM	Wisconsin Materials Research Science & Engineering (MRSEC) Highlights <i>Paul Voyles, Wisconsin MRSEC Director</i>
9:30 AM	Wisconsin Center for Nanoscale Technology (WCNT) Update <i>Jerry Hunter, WCNT Director</i>
9:45 AM	Keynote: Combining human and artificial intelligence to solve grand challenges <i>Kyle Cranmer, American Family Insurance Data Science Institute Director,</i> <i>University of Wisconsin-Madison</i>
10:45 AM	BREAK
11:00 AM	University of Wisconsin-Madison College of Engineering Strategy for Innovation and Industry Engagement <i>Russ Johnson, Director, Office of Corporate Relations, College of Engineering,</i> <i>University of Wisconsin-Madison</i>
11:15 AM	Machine Learning for Identification of Defects in Electron Microscopy Images <i>Ryan Jacobs, Scientist, Materials Science & Engineering, University of Wisconsin-Madison</i>
11:45 AM	Student Showcase: Exploring the correlation between surface energy and deposition conditions in Diamond Like Carbon Coatings for Industrial Applications <i>Maryam Zahedian, Postdoctoral Researcher, Andrew Tong, Undergraduate Student</i> <i>Department of Engineering Physics, University of Wisconsin-Madison</i>
12:15 PM	LUNCH
1:30 PM	Networking Session <i>(Refer to List of Tables)</i>
3:00 PM	Efficient Quality Optimization and Getting Insights into Injection Molding through Machine Learning Approaches <i>Lih-Sheng Turng, Professor, Jinsu Gim, Postdoctoral Researcher, Mechanical Engineering, University of Wisconsin-Madison</i>
3:30 PM	High Resolution Image-Based 3D Fabrication of Tissue Engineering Scaffolds via Multi Photon Excited Polymerization <i>Paul Campagnola, Professor, Biomedical Engineering, University of Wisconsin-Madison</i>
4:00 PM	Machine Learning-Accelerated Molecular Design of Innovative Polymers: Advanced Manufacturing, Extreme Conditions, Sustainable Energy Solutions <i>Ying Li, Associate Professor, Mechanical Engineering,</i> <i>University of Wisconsin-Madison</i>
4:30 PM	Closing Remarks <i>Xiujuan (Jane) Zhang, AMIC Director, OCR Research Services Engagement Manager,</i> <i>University of Wisconsin-Madison</i>

*The AMIC strives to host inclusive and accessible events that enable all individuals to engage fully.
To request an accommodation or for inquiries about accessibility,
please contact Kerri Phillips at kphillips22@wisc.edu or (608) 516-8091.*



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Facilitated Networking Sessions

Table Number	AMIC Company	Company Representative
1	Amcor	Kevin Nelson
2	AO Smith, Corp	Bruce Krakauer
3	Cameca Instruments	Robert Ulfig
4	Dewitt LLP	Craig Fieschko
5	Shenzhen Jiangyun Intelligence, LTD	Jingxi James Sun
6	Silatronix	Liu (Amy) Zhou
7	Plug Power	Luke Wentlent
8	CH Agricultural Technical LLC	Yong Jiang
9	UW Advanced Materials Industrial Consortium	Kerri Phillips, Monyka Lee
10	UWCOE Office of Corporate Relations	Russ Johnson
11	UW-Madison Grainger Institute for Engineering	Peggy Sullivan