



Summit registration
(by April 25, 2024)



Abstract submission
(by April 10, 2024)



Purdue Systems Collaboratory Summit 2024.

Date: **April 29, 2024**

Location: **Stewart Center, STEW 214 & 218. Purdue University (West Lafayette, IN).**
Grant Street Parking Garage

Registration deadline: **April 25, 2024.** [Link to register](#)

Abstract deadline: **April 10, 2024.** [Link to submit abstract](#) (includes abstract formatting guidelines)

Abstracts will be considered for the Poster Session and for a Lightning Talk.

Time	Event	Presenter(s)	Location
8.00am – 8.30am	Registration / Breakfast	–	STEW 218
8.30am – 8.45am	Welcome / Introduction to Purdue Systems Collaboratory Summit	Dr. Joaquín Goñi Program Chair of Summit, Associate Professor of School of IE/BME and PSC member Dr. Young-Jun Son Interim Director Purdue Systems Collaboratory, James J. Solberg Head of School of Industrial Engineering	STEW 214
8.45am – 9.15am	<i>It's a Complex World</i>	Dr. Tugba Karabiyik Purdue Systems Collaboratory Purdue University	STEW 214
9.15am – 10.00am	<i>Your Career is a Complex System</i>	Steve Records Executive Director INCOSE	STEW 214
10.00am – 10.30am	<i>Wearable Devices and Health Outcomes</i>	Dr. Jaroslaw Harezlak Dept. of Epidemiology and Biostatistics Indiana University	STEW 214
10.30am – 10.50am	Coffee break	-	STEW 218
10.50am – 11.20am	<i>The need for multi-stakeholder partnership systems to address global challenges</i>	Dr. Priyanka Brunese Director of Research Development Purdue University	STEW 214
11.20am – 11.30am	<i>Lightning Talk: Next-generation drug manufacturing and distribution systems</i>	Giulia Murbach de Oliveira PSC Systems Fellow	STEW 214
11.30am – 11.40am	Lightning Talk: TBA		STEW 214
11.40am – 11.50am	Lightning Talk: TBA		STEW 214
11.50am – 12.00pm	Announcement of 2024 System Fellows Awardees	Catherine Burkhart Purdue Systems Collaboratory	STEW 214

		Purdue University	
12.00pm – 1.00pm	Lunch	–	STEW 218
1.00pm – 2.00pm	Poster Session	Poster Boards available all day for posters	STEW 218
2.00 pm – 2.30 pm	<i>“AI @ limits of learning” Exploring the evolution of AI algorithms and future challenges</i>	Dr. Eugenio Culurciello Director of the Purdue Institute of Physical AI	STEW 214
2.30pm – 3.00pm	<i>Learning on Higher Order Networks</i>	Dr. Nitesh Chawla Director of the Lucy Family Institute for Data & Society University of Notre Dame	STEW 214
3.00pm – 3.30pm	<i>Redundancy in the Structure and Dynamics of Complex Networks</i>	Dr. Luis Rocha Systems Science and Industrial Engineering Dept. State University of New York at Binghamton	STEW 214
3.30 pm – 4.30pm	Round Tables Session (One table per topic) (Coffee available)	Each Topic has assigned Leader(s) ready for engaging discussions. See topics below.	STEW 218
4.30pm – 5.00pm	Closing Remarks	Summary from each Topic Leader and Q&A	STEW 214
5.00pm – 5.30pm	Early Dinner / Snacks	–	STEW 218

Topics for Round Tables Session

Table 1. **Systems Thinking in Interdisciplinary Education** (Dr. Tugba Karabiyik, Dr. Luis Rocha)

Table 2. **Applications of Systems Thinking and Systems Dynamics** (Dr. Patrick Brunese)

Table 3. **Soft systems/ Human Systems/ Socio-Technical systems** (Dr. Priyanka Brunese)

Table 4. **Purdue Institute of physical AI and learning in the real world.** (Dr. Eugenio Culurciello)

Table 5. **Conflict Risk and Cyber Risk.** (Dr. Jason Reinhardt)

Table 6. **Machine Learning/Artificial Intelligence and Statistics.** (Dr. Jaroslaw Harezlak)