

P2SAC* FALL 2025 CONFERENCE

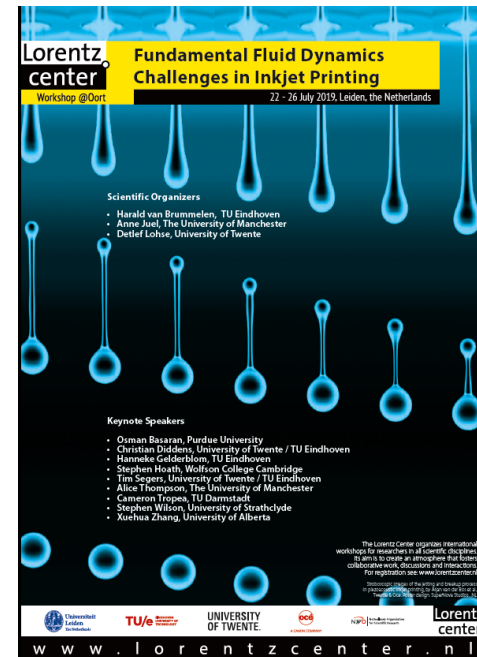
December 2-3, 2025



Safety
(npr.org)



**Safety and
assurance**
(agdaily.com)



Flow assurance

***Purdue Process Safety and Assurance Center**
<https://engineering.purdue.edu/P2SAC>

P2SAC FALL 2025 CONFERENCE

December 2-3, 2025

Tuesday, December 2:

- *Dust/powder workshop*
 - *Tutorials*
 - *Select faculty and student presentations*
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Wednesday, December 3:
Conference on process safety and assurance

(a) Location/venue: the conference will take place in **Stewart Center (STEW 218)** and the conference banquet will be held in the Purdue Memorial Union-North Ballroom on the Purdue campus in West Lafayette, IN.

(b) Conference hotels/lodging: conference attendees can choose from a number of hotels including the *Purdue Union Club Hotel (a Marriott Autograph Collection Hotel)*, which is located next door to STEW, as well as many others that are available nearby in West Lafayette and also in Lafayette.

(c) Conference registration: <https://cvent.me/Dm5a7g>

(d) Organizers: Prof. Osman Basaran (obasaran@purdue.edu), Academic Director, and Prof. Ray Mentzer (rmentzer@purdue.edu), Executive Director

(e) Additional contact(s): Amanda Shields (alschrei@purdue.edu), Purdue Conferences, and Denise Blank (dblank@purdue.edu), Davidson School of Chemical Engineering

P2SAC CORPORATE SPONSORS



Monday, December 1 (the conference starts on Tuesday, December 2)

In contrast to many recent P2SAC conferences, there will not be an informal group dinner on the night prior to the start of the Fall 2025 conference. See you all on Tuesday morning!

CORPORATE SPONSOR FOR ONE OF THE LUNCHES DURING THE CONFERENCE

DEKRA North America



We thank DEKRA for their generosity in making it possible for us to provide the lunch on December 3 to all of the attendees during the P2SAC Fall 2025 Conference.

Tuesday, December 2: Dust/powder workshop, tutorials, and select faculty and student presentations

7:30-8:00 **Registration and coffee**

8:00-8:30 Osman Basaran (Purdue): Welcome and short introduction to P2SAC

Dust/powder workshop:

8:30-9:30 Ayman Allian (Lilly): Dust Hazards with Emphasis on Pharmaceutical Operations

9:30-10:00 Danielle Kittaka (Fauske): Invisible Threats: What Combustible Dust Testing Tells You Before It's Too Late

10:00-10:30 **Short Break and Informal Discussions**

10:30-11:00 Katie Kuhn (Fauske): NFPA 660 and a Dust Hazard Analysis Case Study

11:00-11:30 Kingsly Ambrose (Purdue): Particle, Powder, and Compact Characterization Capabilities at Purdue

11:30-12:00 Ray Mentzer (Purdue): Overview and summary of recent P2SAC activities

12:00-1:30 **Lunch on your own**

1:30-2:00 Steven Son (Purdue): Metal particle combustion

Tutorials and select faculty and student presentations:

2:00-3:00 Can Li (Purdue): **Tutorial** on “Application of AI in the chemical industry with some focus on process safety”

3:00-3:30 **Short Break and Informal Discussions**

3:30-4:00 Brian Tackett (Purdue): electrochemistry and safety

4:00-4:30 Mike Marshall (AI-PSM): Preserve the CSB and Enhance Process Safety Through a Near-Miss Intelligence Hub

4:30-5:00 Tyler Pasut (Purdue): Environmental Corrections for Ligand Additivity Theory for handling Transition Metal Complexes

5:30-8:30 **Conference Reception and Banquet (PMU East and West Faculty Lounges; included in conference registration)
[Social hour: 5:30-6:30. Dinner: 6:30-8:30]**

Wednesday, December 3: Conference on safety and assurance

7:30-8:00	Registration and coffee
8:00-8:30	Edward Marszal (Kenexis): Optimizing Process Safety Information for AI
8:30-9:00	Tekin Kunt (PSRG): Deploying Safe Augmented Intelligence Tools in Process Safety
9:00-9:30	Amy Theis (Baker Risk): Strategies for Hazardous Area Classification
9:30-10:00	Tim Hoff (ExxonMobil): Major Event Considerations and ALARP
10:00-10:30	Short Break and Informal Discussions
10:30-11:00	David Moore (AcuTech): Leadership's Influence on Process Safety Management Performance
11:00-11:30	Ada Cuadrado (CountryMark Cooperative Holding Corp) and Joseph Drago (Marathon Consulting Group): Setting the Course: Strategic Process Safety Leadership
11:30-12:00	Nick Gonzales (Shell): Reactive Hazards in Shell's HydroFormylation (SHF) Process
12:00-1:00	Lunch (catered lunch sponsored by DEKRA) 
1:00-1:30	Abdul Hai Mohammed (Purdue), Aum Samir Patel (Purdue) and Tekin Kunt (PSRG): Designing a Scalable Process Safety Performance Measurement System for Small to Mid-Sized Chemical Companies
1:30-2:30	Roundtable discussion with ExxonMobil (Timothy Hoff), Shell (Nick Gonzalez) and PSRG (Tekin Kunt) on how companies audit/measure their process safety systems and performance
2:30-3:00	Liam Horan and Caleb Coulthard (Fauske): The Versatile VSP2: Battery Testing
3:00-3:30	Vilas Pol (Purdue): Mastering the Science and Engineering of Lithium-ion Battery Safety
3:30-4:00	Short Break and Informal Discussions
4:00-4:30	Vivek Narsimhan (Purdue): new faculty talk
4:30-5:00	Open discussion: industry needs in safety and assurance
5:00	Conference conclusion
6:00	Conference dinner number 2 (attendance is for those who have prepaid during registration) [Thai Essence: 1534 Win Henschel Blvd, West Lafayette, IN 47906; Phone: (765) 269-9380]