

P2SAC* SPRING 2026 CONFERENCE

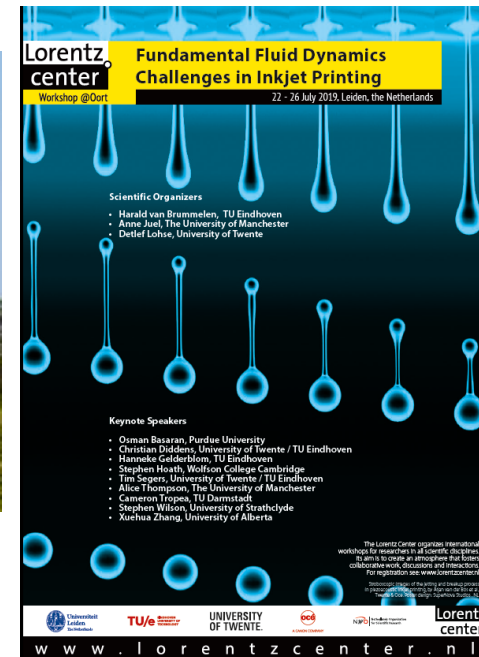
May 5-7, 2026



Safety
(npr.org)



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



Lorentz center Workshop @Oort
Fundamental Fluid Dynamics Challenges in Inkjet Printing
22 - 26 July 2019, Leiden, the Netherlands

Scientific Organizers

- Harald van Brummelen, TU Eindhoven
- Anne Joel, The University of Manchester
- Detlef Lohse, University of Twente

Keynote Speakers

- Osman Basaran, Purdue University
- Christian Diddens, University of Twente / TU Eindhoven
- Hanske Grijdenblom, TU Eindhoven
- Stephen Hoath, Wolfson College Cambridge
- Tim Segers, University of Twente / TU Eindhoven
- Alice Thompson, The University of Manchester
- Cameron Tropea, TU Darmstadt
- Stephen Wilson, University of Strathclyde
- Xuehua Zhang, University of Alberta

The Lorentz Center organizes international workshops for researchers in all scientific disciplines. It aims to create an atmosphere that fosters collaboration, discussion and innovation. For registration see www.lorentzcenter.nl

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Flow assurance

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

P2SAC SPRING 2026 CONFERENCE

May 5-7, 2026

Tuesday, May 5:

- *Tutorials*
- *Select industry and faculty presentations*



Wednesday, May 6:

Conference on process safety and assurance



Thursday, May 7

Conference on pharmaceutical safety

(a) Location/venue: the conference will take place in Stewart Center (STEW 302) and the main conference banquet will be held in the Purdue Memorial Union Faculty Lounges 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/77Ldvl>

(d) Organizers: Prof. Osman Basaran (obasaran@purdue.edu), Academic and Founding 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



Friday, May 1

Pradeep Bhat of 3M will be giving a tutorial as part of the P2SAC Spring 2026 Conference and a guest lecture in ChE 697 on “Modeling and simulation of viscoelastic (VE) flows” in HAMP 2102 from 3:30-4:20 pm

Monday, May 4

In contrast to some recent conferences, there will not be an informal group dinner on the night prior to the start of the Spring 2026 conference. See you all on Tuesday morning!

The main conference starts on Tuesday morning (May 5) and ends on Thursday afternoon (May 7)

CORPORATE SPONSOR FOR A LUNCH DURING THE CONFERENCE

- **Kenexis** (Wednesday, May 6) **KENEXIS**

We thank Kenexis for their generosity in making it possible for us to provide lunches to all of the participants/registrants on Day 2 of our Spring conference.

Tuesday, May 5: Tutorials and select industry and faculty presentations

- 9:00-9:45** **Registration and coffee**
- 9:45-10:00 Osman Basaran (Purdue): Welcome and short introduction to P2SAC
- 10:00-11:00 Can Li (Purdue): Applications of AI in the Chemical Industry: A Tutorial with a Focus on Process Safety
- 11:00-11:30 Sumeet Thete (3M): Storage and Handling of Autocatalytic Exothermic Materials (AEM)
- 11:30-1:00** **Lunch on your own**
- 1:00-2:00 Gayle Nicoll (Jensen Hughes): Case Studies: The Best and Worst in Process Safety Culture Moments (Tutorial)
- 2:00-2:30 Nathan Schultheiss (Purdue): Overview of Purdue's Upstream oil and gas class
- 2:30-2:45** **Short Break**
- 2:45-3:45 Joseph P Drago (Marathon Consulting Group) and Bruce K Vaughen (Center for Chemical Process Safety): Tutorial on "A Look at Assessing Culture in the Chemical & Nuclear Sectors"
- 3:45-4:45 Scott Davis (Gexcon): CFD of explosions and detonations
- 6:00** **Tutorial banquet/dinner (attendance is for those who have prepaid during registration)**
[Thai Essence: 1534 Win Henschel Blvd, West Lafayette, IN 47906; Phone: (765) 269-9380]

Wednesday, May 6: Conference on safety and assurance

7:30-8:00	Registration and coffee
8:00-8:15	Osman Basaran (Purdue): Welcome and what is P2SAC
8:15-8:30	Ray Mentzer (Purdue): Welcome and overview of P2SAC activities during the past year
8:30-9:00	Ed Marszal (Kenexis): Converting P&IDs into an AI Ready Format
9:00-9:30	S. Nagavelu, A. Alagusundaram, L. Jiang, A. Duan, N. Taskiran, and V. Venkatasubramanian (Columbia): Ontology-Based HAZOP Automation with Domain-Informed Hybrid AI Model
9:30-10:00	Tekin Kunt (PSRG): Optimizing the Layers of Protection for Robust Process Safety
10:00-10:15	Short break
10:15-10:45	Ryan Houim (Purdue AAE): combustion, fluid mechanics, and safety
10:45-11:15	Saurabh Usgaonkar (Air Products): pipeline leak detection
11:15-12:00	Ray Mentzer (Purdue): Overview of Purdue's Process Safety Class
12:00-1:15	Lunch (catered lunch sponsored by Kenexis) KENEXIS
1:15-1:45	Timothy Hoff (ExxonMobil): Process Safety Deliverables for Projects
1:45-2:15	Sanjay Ganjam (Kiewit Energy Solutions): Safety and Operability Utilizing Dynamic Analysis
2:15-2:45	Ian P. Sergo (AcuTech): RMP Proposed Updates
2:45-3:15	Vilas Pol (Purdue): Battery safety
3:15-3:30	Short break
3:30-4:00	Donald J. Knoechel (retired) and Gabe Wood (Fauske): Case Study: Calorimetry Used to Support Scale-Up by Determination of the Stoessel Criticality Class of an Epichlorohydrin Process
4:00-4:30	Industry safety needs (part 1): open discussion
5:00	Conference Reception and Banquet (PMU East and West Faculty Lounges; included in conference registration) [Social hour: 5:00-6:00. Dinner: 6:00-8:00]

Thursday, May 7: Conference on pharmaceutical safety

- 7:30-8:00** **Registration and coffee**
- 8:00-8:15 Osman Basaran (Purdue): Evolution of P2SAC
- 8:15-8:30 Ray Mentzer (Purdue): Overview of select P2SAC activities during the past year
- 8:30-9:30 Jessica Nichols (Dow): tutorial on calorimetry
- 9:30-10:00 Ben Larson (Evonik): Evonik's Use of AI in Incident Investigations: Rapid Fault-Tree Development
- 10:00-10:15** **Short break**
- 10:15-10:45 Jeffrey Sperry (Vertex): Laying the Foundation: How to Build a Process Safety Team in the Pharmaceutical Industry
- 10:45-11:15 Gareth Thomas (Phlow Corp) and Bradley Silva (DEKRA): Process Safety Challenges in Technology Transfer: A Case Study
- 11:15-11:45 Jeffrey Sperry et al. (Vertex): TBD
- 11:45-12:00 Industry safety needs (part 2): open discussion
- 12:00-1:30** **Lunch on your own**
- 1:30-2:00 Tao Chen and Eric Margelefsky (Merck): Intergranular Corrosion on Hastelloy
- 2:00-2:30 Charles Vietzke (THT): TBD
- 2:30-3:00 Andrew Devlin (Purdue), Robert Higgins & Robert Woodman (Johnson Matthey), and Tyler Pasut & Dylan Fortney (Purdue): Predicting Decomposition Energies of Organometalics
- 3:00 Conference concludes
- 6:00** **Pharmaceutical safety banquet/dinner (attendance is for those who have prepaid during registration) [La Scala Italian Restaurant: 312 Main St, Lafayette, IN 47901; Phone: (765) 420-8171]**