“New Frontiers in Reaction Engineering”: A Symposium Honoring Klavs F. Jensen
Agenda, May 18, 2024
MIT Open Space Programming 292 Main Street, E38-248 Cambridge, MA 02142

The symposium includes presentations and discussions on Professor Klavs F. Jensen's many contributions to material synthesis, microfluidics, flow chemistry, and automating chemistry. It will also be a reunion of former and current students, postdocs, academic and industrial friends, and colleagues.

Saturday, May 18
All times listed are in Eastern Daylight Time.

8:30-9:00 am Registration and light breakfast
9:00-9:15 am Welcome & Introduction
   Kristala Prather, Arthur Dehon Little Professor & Department Head

Session 1 Moderator Raj Melkote
9:15 am Participant introductions
9:30 am "David Graves, “Klavs was a Catalyst”
9:45 am Dimitrios Fotiadis, “Revolutionizing Asymptomatic Carotid Artery Disease Management: The Impact of the TAXINOMISIS Risk Stratification Tool on Clinical Practice and Standard Care”
10:00 am I-Ming Hsing, “Nucleic Acid based Reaction Engineering for Decentralized Testing of Infectious Diseases”
10:15 am coffee break

Session 2 Moderator Kathy Vaeth
10:45 am Hang Lu
11:00 am Saif Khan, “Reaction Engineering in Structured Multiphase Flows”
11:30 am Mouni Bawendi
11:45 am Steve Buchwald, “DFT-Guided Cu Coupling Reactions”
12:00 pm Lunch Break

Session 3 Moderator Thomas Gervais
1:15 pm Bob Langer, “How I traveled down the road not taken in chemical engineering and how fortunate I was to know and work with Klavs Jensen”
1:30 pm Armon Sharei, “Squeezing cells: Academic observation to clinical implementation”
1:45 pm  Jon McMullen, “Wait – you can do that in flow?”
2:00 pm  Andrea Adamo, “Continuous partition chromatography”
2:15 pm  Break

Session 4 Moderator Ryan Hartman

2:45 pm  Bill Green, “Machine Learning for Molecules and Reactions: Successes and Pitfalls”
3:00 pm  Luke Rogers, “Pharmacy on Demand- Past and Present”

3:15 pm  Tommi S Jaakkola
3:30 pm  Connor Coley, “KFJ-Optimality in Experimental Design”
3:45 pm  Klavs closing remarks
4:00 pm  Reception