

NOVEMBER 10-15 • HYATT REGENCY, ORLANDO

2019 AIChE® ANNUAL MEETING: MANUFACTURING SESSIONS

The 2019 AIChE Annual Meeting is your once-a-year opportunity to gain the latest information, take part in productive networking, uncover new ways to innovate, and grow professionally. Join the below sessions and deepen your knowledge in chemical engineering in manufacturing.

SUNDAY • NOVEMBER 10			
START TIME	BOOK #	TITLE	ROOM
03:30 PM	8	3D Printing Applications in Catalysts, Reactions, and Energy Industry	Bayhill 28
03:30 PM	11	Advanced Modelling and Data Systems Applications in Next-Gen Manufacturing	Bayhill 27
03:30 PM	26	Industrial Applications in Design and Operations	Bayhill 24
03:30 PM	29	Modeling, Control, and Optimization of Manufacturing Systems	Bayhill 25
03:30 PM	32	New Tools and Applications from Unconventional Synthetic Biology Organisms	Celebration 14
03:30 PM	34	Polymers in Industry - Rising Stars (Invited Talks)	Celebration 10
03:30 PM	41	Software Tools and Implementations for Process Systems Engineering	Bayhill 26
MONDAY • NOVEMBER 11			
START TIME	BOOK #	TITLE	ROOM
08:00 AM	51	Big Data and Analytics for Sustainability	Regency Ballroom T
08:00 AM	52	Big Data and Data Analytics (Invited Talks)	Bayhill 27
08:00 AM	74	Forum Plenary: Opportunities and challenges with Journey from Industry 4.0 to Pharma 4.0	Celebration 6
08:00 AM	82	Integrating Municipal, Food, and Industrial Waste into Biorefineries	Regency Ballroom U
08:00 AM	91	Overcoming Hurdles for Women in Innovation and Entrepreneurship	Orlando Ballroom N
08:00 AM	92	Process Intensification and Modular Manufacturing: Modeling and Simulation	Bayhill 28
11:15 AM	108	Presidential Lecture	Plaza International Ballroom H
12:30 PM	126	Continuous Processing in Drug Substance	Celebration 6
12:30 PM	130	Digital Twin (Invited Talks)	Bayhill 28
12:30 PM	145	Industrial Internet of Things (IIoT) in Process Manufacturing and Beyond	Bayhill 27
03:30 PM	187	Poster Session: Next-Gen Manufacturing	Regency Ballroom R/S
03:30 PM	193	Advances in Machine Learning Methods for Process Systems Engineering	Bayhill 26
06:00 PM	236	D.I.C. Wang Award Lecture	Regency Ballroom V
06:30 PM	237	Pharmaceutical Discovery, Development, and Manufacturing Forum Awards Ceremony	Regency Ballroom U

**Information as of September 4, 2019 and subject to change*



An up-to-date program is available at
aiche.org/annual or on the AIChEvents app.

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TUESDAY • NOVEMBER 12			
START TIME	BOOK #	TITLE	ROOM
08:00 AM	251	Biofuels Production: Design, Simulation, and Economic Analysis	Regency Ballroom U
08:00 AM	259	Data Science & Analytics for Operations Support and Predictions in Pharmaceutical Processes & Products	Celebration 6
08:00 AM	260	Development of Pharmaceutical Process Control Strategies for Drug Product Manufacture	Celebration 8
08:00 AM	268	IACChE's James Y. Oldshue Lecture (Invited Talks)	Plaza International Ballroom H
08:00 AM	269	Industry 4.0 and Digital Transformation (Invited Talks)	Bayhill 27
08:00 AM	290	Process Intensification and Modular Manufacturing: Modular/Advanced Manufacturing	Bayhill 28
11:00 AM	304	Meet the Innovators: Transforming the Future through Chemical Engineering	Plaza International Ballroom G
11:15 AM	305	Andreas Acrivos Award for Professional Progress in Chemical Engineering Lecture	Plaza International Ballroom H
12:30 PM	322	Continuous Drug Substance Isolation	Celebration 6
12:30 PM	342	Integrated Design for Drug Substance Synthesis	Celebration 8
12:30 PM	354	Pharma 4.0 (Invited Talks)	Bayhill 27
12:30 PM	357	Process Intensification and Modular Manufacturing: Fundamentals and Applications	Bayhill 28
03:30 PM	384	3D Printing of Composites	Bayhill 28
03:30 PM	389	Artificial Intelligence and Advanced Computation	Bayhill 27
03:30 PM	410	Innovations and Emerging Technologies: Drug Substance and Drug Product Development	Celebration 8
03:30 PM	421	Predictive Scale-up/Scale-down for Production of Pharmaceuticals and Biopharmaceuticals I	Celebration 7
03:30 PM	423	Process-wide and Operational Topics	Celebration 6
06:00 PM	434	SBE's James E. Bailey Award Lecture	Regency Ballroom V
WEDNESDAY • NOVEMBER 13			
START TIME	BOOK #	TITLE	ROOM
08:00 AM	437	3D Printing of Functional Materials	Bayhill 28
08:00 AM	441	Advances in Process Intensification	Bayhill 17
08:00 AM	451	Continuous Processing Technologies Applied in Drug Product Manufacturing	Celebration 7
08:00 AM	452	Cybersecurity	Bayhill 27
11:15 AM	495	John M. Prausnitz AIChE Institute Lecture	Plaza International Ballroom H
12:30 PM	496	3D Printing in Pharmaceutical and Health Industry	Bayhill 28
12:30 PM	499	Advances in Drug Discovery Processes	Celebration 7
12:30 PM	504	Big Data and Applications in Advanced Modeling and Manufacturing	Bayhill 27
12:30 PM	516	Data Science Education in Chemical Engineering Panel Discussion	Manatee Spring I

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WEDNESDAY • NOVEMBER 13

START TIME	BOOK #	TITLE	ROOM
12:30 PM	545	Process Intensification By Enhanced Heat and Mass Transfer	Bayhill 17
03:30 PM	567	3D Printing Fundamental and Applications	Bayhill 28
03:30 PM	568	Additive Manufacturing of Energetics	Bayhill 21
03:30 PM	577	Development of Pharmaceutical Process Control Strategies for Drug Substance Manufacture	Celebration 8
03:30 PM	587	Integrated Process Engineering and Economic Analysis	Regency Ballroom Q
03:30 PM	591	Modeling, Control, and Optimization of Energy Systems	Bayhill 25
03:30 PM	603	Polymers in Additive Manufacturing	Bayhill 27
03:30 PM	606	Process Intensification through Process Systems Engineering	Bayhill 24
03:30 PM	611	Sustainable Food Production	Celebration 9
06:00 PM	615	William R. Schowalter Lecture	Plaza International Ballroom H

THURSDAY • NOVEMBER 14

START TIME	BOOK #	TITLE	ROOM
08:00 AM	656	Process Intensification By Process Integration	Bayhill 17
12:30 PM	693	Innovations and Emerging Technologies: Automated Platforms and Novel Methodologies	Celebration 7
12:30 PM	707	Process Intensification through the Application of Microreactors, Multiphase Reactors, and Membrane Reactors	Bayhill 17

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