

8th Anatolian School of Catalysis

ASC-8 Program | 23–26 April 2026 | Gümüldür, İzmir

23 April Thursday	
Time	Activity
09:00 – 10:40	Hotel Check-in
10:40 – 11:00	Welcome Speech
11:00 – 11:50	Opening Lecture: David Kubicka (Catalysis: A Cornerstone of Sustainable Development)
12:00 – 13:30	Lunch
Session 1: Concepts in Catalysis and Kinetics (Chair: Emrah Özensoy)	
13:30 – 14:20	Franck Dumeignil: Fundamental Concepts in Heterogeneous Catalysis
14:20 – 15:10	Dmitry Murzin: Nanokinetics in Heterogeneous Catalysis: Beyond Classical Approaches
15:10 – 16:00	Poster Session / Coffee Break
16:00 – 16:50	Alper Uzun: Measuring Catalytic Performance Reliably in Flow Reactors
16:50 – 18:30	Pitch Talks of Students
18:30 – 20:00	Dinner
20:00 – 21:30	Meet & Discuss: Poster session and cocktail

24 April Friday	
Time	Activity
Session 2: Catalyst Preparation and Advanced Characterization (Chair: Alper Uzun)	
09:00 – 09:50	Andrzej Kotarba: Beyond Conventional Routes in Catalyst Development: Turning Weaknesses into Strengths
09:50 – 10:40	Christian Reece: Resolving Structure–Function Relationships Using Kinetics and Spectroscopy
10:40 – 11:00	Coffee Break
11:00 – 11:50	Deniz Üner: Dynamics and Exchange in Catalysis as Monitored through NMR Spectroscopy
12:00 – 13:30	Lunch
13:30 – 14:20	Emrah Özensoy: An Introduction to X-ray Photoelectron Spectroscopy (XPS)
14:20 – 15:10	Samira Kurtoğlu Öztulum: X-ray Absorption Spectroscopy for Catalysis Researchers: Principles and Applications to Supported Metal Catalysts
15:10 – 16:00	Poster Session / Coffee Break
16:00 – 16:30	Sponsor Talks: Redoks
16:30 – 17:30	Emanuele Moioli: How to combine catalysis and chemical reaction engineering in one single discipline and why could this foster your career in research?
17:30– 18:00	Cansu Kaya (Springer Nature): How to Write Effective Manuscripts and Use AI Tools Responsibly in Publishing
18:30 – 20:00	Dinner
20:00 – 21:30	Panel 1: Alper Uzun, Cansu Kaya: Ethics, integrity, and responsibility in scientific publishing.

25 April Saturday	
Time	Activity
Session 3: Reaction Engineering (Chair: Deniz Üner)	
09:00 – 09:50	Christian Hulteberg: Reaction Engineering – Mastering Chemistry and Gradients i
09:50 – 10:40	Roland Dittmeyer: Membrane Reactor Design i
10:40 – 11:00	Coffee Break
11:00 – 11:50	Ahmet Kerim Avcı: Intensified Catalytic Reactors for Greener Processing i
12:00 – 13:30	Lunch
13:30 – 14:20	Christopher Hardacre: Principles and Exemplars of Photocatalysis and Non-thermal Plasma Catalysis Using Heterogeneous Catalysts i
Session 4: Beyond Thermal Catalysis (Chair: Ahmet Kerim Avcı)	
14:20 – 15:10	Natasha Novak Tushar: Potential of photocatalysts in heterogeneous systems for the remediation of organic pollutants in water
15:10 – 15:25	Sponsor Talks: Terralab
15:25– 16:00	Poster Session / Coffee Break
16:00 – 16:50	Sarp Kaya: Fundamentals of Electrode Kinetics
16:50 – 17:20	Vahide Mutlu (SOCAR): Catalysis at Scale: Bridging Academic Research and Industrial Reality
17:20 – 17:35	Sponsor Talks: Ats
18:30 – 20:00	Dinner
20:00 – 21:30	Panel 2: Vahide Mutlu, Christian Hulteberg: Bridging academic research and industrial practice.

26 April Sunday

Time	Activity
Session 5: Computational Catalysis: The New Era (Chair: Christian Reece)	
09:00 – 09:50	Ersen Mete: A brief introduction to DFT and some examples in surface modeling
09:50 – 10:40	Ramazan Yıldırım: Machine Learning and Artificial Intelligence for Catalytic Reaction Systems
10:40 – 11:00	Coffee Break
11:00 – 11:50	Büşra Dereli: First-Principles Computational Catalysis: From Electronic Structure to Predictive Models
12:00 – 13:30	Closing Remarks / Lunch