



The  
**ICONIC MEETINGS**  
.....Meet Influential People.....

# International Experts Summit on **Catalysis and Chemical Engineering**

 **June 18–20, 2026**

 **Rome, Italy**

**Register Now**



**TENTATIVE PROGRAM**



**+16623394984**



**ChemicalSummit-2026@iconicconferences.org**



**<https://www.chemicalengineering.theiconicmeetings.com/>**

## Day 1 (June 18, 2026)

08:30-09:00 Registrations in Main Hall

09:00-09:05 Introduction

09:05-09:30 Opening Ceremony

### Plenary session

09:30-10:15 Title: Synthesis, spectral and electrochemical studies of vanadyl  $\beta$ -substituted porphyrins and their use as a catalyst for olefin epoxidation and oxidative bromination in aqueous medium

**Mannar Ram Maurya (Professor)**, *Indian Institute of Technology Roorkee, India*

10:15-11:00 Title: Approximate normalizations for approximate density functionals

**Kieron Burke (Professor)**, *University of California, USA*

11:00 -  
11:20

Refreshments Break@ Foyer

11:20-12:05 Title: Fast and selective CO<sub>2</sub> capture from outdoor air by covalent organic frameworks

**Omar M. Yaghi (Professor)**, *University of California, USA*

### Keynote Session

12:05-12:40 Title: Platinum surface oxides govern the cathodic overpotential of the oxygen reduction reaction

**Henrik Grönbeck (Professor)**, *Chalmers University of Technology, Sweden*

12:40-13:15 Title: Strong Metal Support Interaction in Ru/V<sub>2</sub>O<sub>3</sub> Mitigates Reactant Induced Poisoning in Succinic Acid Hydrogenation

**Atsushi Fukuoka (Professor)**, *Hokkaido University, Japan*

13:15-14:15 Group Photo & Lunch Break

14:15-14:50 Title: ZIF-71-Coated CuO:Al with Enhanced Gas-Sensing Performance for n-Butanol and Hydrogen

**Ameloot Rob (Professor)**, *KU Leuven, Belgium*

---

**14:50-15:25** Title: Sustainable utilization of industrial furnace slags as CO<sub>2</sub>-reactive materials for construction

---

**Lee Hwei Voon (Professor)**, *University of Malaya, Kuala Lumpur, Malaysia*

### Featured Talks

**15:25-15:50** Title: Structural features and antibacterial activity of Ni (II) thiosemicarbazones in a zirconium metal-organic framework composite

---

**Ana E. Platero-Prats (Assistant professor)**, *Spanish National Research Council, Madrid, Spain*

**15:50-16:10** Refreshments Break@ Foyer

**16:10-16:35** Title: Hydrogen Bonds Structure and Phase Transitions in the N-Octyl-N,N-Diethylammonium Tetrafluoroborate ([N228][BF<sub>4</sub>]) Protic Ionic Liquid Electrolyte Probed by Solid State

---

**Daniil I. Kolokolov (Phd student)**, *Novosibirsk State University, Russia*

**16:35-17:00** Title: Alcohol-dispersed conductive polymer for high-performance organic photovoltaic cells

---

**Jianhui Hou (Doctor)**, *Institute of Chemistry, Chinese Academy of Sciences, Beijing, China*

**17:00-17:25** Title: Access to Hindered Alkyl Aryl Ethers via Radical–Polar Crossover C(sp<sup>3</sup>)–O Coupling Enabled by Dual Organosulfur/Photoredox Catalysis

---

**Hong, Seung Youn (Assistant Professor)**, *Seoul National University, Seoul, South Korea*

**17:25-17:50** Title: Enantioconvergent Indole Alkylation Using Diols via Oxocarbenium Intermediate by Borrowing Hydrogen To Access  $\gamma$ - $\delta$ -Chiral Ketones

---

**ZHAO Yu (Assistant Professor)**, *National University of Singapore, Singapore*

Speaker Slots Available

---

Day 2 (June 19, 2026)

09:05-09:30 **Opening Ceremony**

**Plenary Session**

09:30-10:15

**Title: Structural Exploration of Zirconium Metal–Organic Frameworks Through Linker Desymmetrization and Modulator Compensation**

**Hong-Cai Zhou (Professor)**, *Texas A&M University, USA*

10:15-11:00

**Title: Biodegradable, Cationic Nanogels for the Multi-Responsive Delivery of Therapeutics to Treat Neuroinflammation**

**Nicholas A. Peppas (Professor)**, *University of Texas at Austin, USA*

11:00-11:20

**Refreshments Break@ Foyer**

11:20-12:05

**Title: Cardiomyocyte  $\beta$ -arrestins mediate inflammation and cGAS-STING activation in CVB3 viral myocarditis**

**Robert J. Lefkowitz (Professor)**, *Duke University Medical Center, USA*

**Keynote Session**

12:05-12:40

**Title: Epulis as a Manifestation of Periodontal Pathology: Clinical Case and Treatment**

**Iryna Antonyshyn (Professor)**, *Max Planck Institute for Chemical Physics of Solids, Germany*

12:40-13:15

**Title: Effect of Oxide Chemistry on Pt Redistribution and Site Exposure in ALD-Coated Catalysts**

**Stacey Bent (Professor)**, *Stanford University, USA*

13:15-14:15

**Group Photo & Lunch Break**

14:15-14:50

**Title: Interfacial Chemistry in SERS: Mechanisms, Controls, and Materials**

**Ameloot Rob (Professor)**, *Nanyang Technological University (NTU), Singapore*

14:50-15:25

**Title: Rational Design of Conductive MOF-Based Diatomic Electrocatalysts for Selective Ammonia Synthesis**

**Jianping Xiao (Professor)**, *Dalian Institute of Chemical Physics, China*

## Featured Talks

15:25-15:50

Title: BPS2026–Ion-selective structural transitions of a disordered repeats-in-toxin protein domain

**Danielle Mai (Assistant professor)**, *Stanford University, USA*

15:50-16:10

Refreshments Break@ Foyer

16:10-16:35

Title: Microalgae-based CuO nanoflowers and CuO/ZnO nanoflower composites for photocatalytic degradation of Ciprofloxacin antibiotic residue in water

**Show Pau Loke (Phd student)**, *Khalifa University (KU) in Abu Dhabi, UAE*

16:35-17:00

Title: Interface engineering of CdS/CZTSSe heterojunctions for enhancing the Cu<sub>2</sub>ZnSn (S, Se) 4 solar cell efficiency

**Yi-Rung Lin (Phd student)**, *National Taichung University of Science and Technology, Taichung, Taiwan*

17:00-17:25

Title: Stabilizing layered Sr-intercalated CoO<sub>2</sub> nanotubes for bifunctional energy applications: enhanced OER catalysis and energy storage

**Radha N Somaiya (Assistant Professor)**, *Hunan University, China*

17:25-17:50

Title: PROx-Tag: p-phenylenediamine warheads enable photosensitized proximity labeling with high sensitivity and spatial resolution

**Xiao Wang (Assistant Professor)**, *Massachusetts Institute of Technology, USA*

Speaker Slots Available

## Day 3 (June 20, 2026)

09:05-09:30 Opening Ceremony

### Plenary session

09:30-10:15 Title: Polyurethane Cascade Depolymerization by a Combination of Thermal Pretreatment and Enzymatic Hydrolysis

**Uwe Bornscheuer (Professor)**, *University of Greifswald, Germany*

10:15-11:00 Title: A novel approach to quantitative morphology characterization of ceria nanoparticles based on their electron trap distribution patterns and the implications for catalysis

**Bunsho Ohtani (Professor)**, *Hokkaido University, Japan*

11:00-11:20 Refreshments Break@ Foyer

11:20-12:05 Title: Transferable Molecular Model for Benzimidazole-Linked Polymer Membranes Applied in Hydrogen Separation

**Freek Kapteijn (Professor)**, *Delft University of Technology, Netherlands*

### Keynote session

12:05-12:40 Title: Synthetic Nanostructures Including Nucleic Acids and/or Other Entities

**Chad Mirkin (Professor)**, *Northwestern University, USA*

12:40-13:15 Title: MDA-MB-231 cell morphology influences chemotactic sensing of CXCL12 gradients in type 1 bovine collagen matrix

**Catherine J. Murphy (Professor)**, *University of Illinois Urbana-Champaign (UIUC), USA*

13:15-14:15 Group Photo & Lunch Break

14:15-14:50 Title: Mixture-of-Experts Machine Learning Framework for Predictive Design of Biomass-Derived Hydrochar to Decarbonize Industrial Heat

**Xin Tu (Professor)**, *University of Liverpool, UK*

14:50-15:25 Title: Strong Metal-Support Interactions on TiO<sub>2</sub>-Supported Metal Catalysts for Fine-Tuning Catalysis

**Regina Palkovits (Professor)**, *RWTH Aachen University, Germany*

## Featured Talks

15:25-15:50

Title: Semantic design of functional de novo genes from a genomic language model

**Brian Hie (Assistant professor)**, *Stanford University, USA*

15:50-16:10

Refreshments Break@ Foyer

16:10-16:35

Title: Sustainable Valorization of Wheat Bran through Solid-State Fermentation and Enzymatic Bioprocessing for Enhanced Antioxidant Potentia

**Tapati Bhanja Dey (Assistant professor)**, *Jain University School of Allied Healthcare and Science, India*

16:35-17:00

Title: Machine Learning Predictive Models, Interpretations, and Applications of Metal-Based Catalysts, UV, and Thermal Activation Persulfate-Based Advanced Oxidation Processes

**Guo Fengshi (Phd student)**, *Korea University, Korea*

17:00-17:25

Title: Photocatalytic H<sub>2</sub>(g) Production from Polylactic Acid Containing Real Plastic Wastes Using Cu<sub>7</sub>S<sub>4</sub>/CdS Nanocomposites

**Rukiye Oztekin (Assistant Professor)**, *Dokuz Eylul University, Turkey*

17:25-17:50

Title: Performance of Nickel-Iron nanostructured electrodes at different temperatures

**Salvatore Geraci (Assistant Professor)**, *University of Palermo, Italy*

Speaker Slots Available

## Sponsors/Exhibitors


 **EVONIK**  
Leading Beyond Chemistry

 **BASF**  
We create chemistry



**NFDI4** 

**Chem**  **Scene**  
Chemical Reagents For Life Science

**Organic**   
**Syntheses**

  
**BRUKER**

**CATALYST**

**CHEMICAL**