

# CCMI 2024

## Cold and Controlled Molecules & Ions

September 2–6, 2024

Institute of Science and Technology Austria

### SCOPE

The goal of this biannual conference series is to bring together prominent scientists who share an interest in cold and controlled molecules and ions in the context of physics and chemistry, both experimentalists and theorists.

### TOPICS

- Cold controlled collisions
- Cold and ultracold chemistry
- Quantum simulation with ultracold molecules
- High-precision spectroscopy with ultracold molecules
- Molecular control and alignment
- Spectroscopy and dynamics in He droplets and para-H<sub>2</sub>
- Spectroscopy of cold ions in cryogenic traps
- Ultracold polyatomic molecules

### INVITED SPEAKERS

Anastassia Alexandrova  
Markus Arndt  
Anastasia Borschevsky  
Sandra Brünken  
Sandra Eibenberger-Arias  
Wolfgang Ernst  
Tomás González-Lezana  
Nadine Halberstadt  
Kaden Hazzard  
Tijs Karman  
Svetlana Kotochigova  
Bas van de Meerakker  
Debayan Mitra  
Jesús Pérez Ríos  
Amit Samanta  
Melanie Schnell  
Michael Tarbutt  
Jutta Toscano  
Hannah Williams  
Valentina Zhelyazkova

### LOCATION

Institute of Science and Technology Austria,  
Am Campus 1, 3400 Klosterneuburg (near Vienna)

### ORGANISATION

Katrin Erath-Dulitz (Universität Innsbruck)  
Mikhail Lemeshko (ISTA)

### WEBSITE

<https://ccmi2024.ista.ac.at/>

### SUBMISSION DEADLINE

August 15, 2024  
[abstract + registration]

