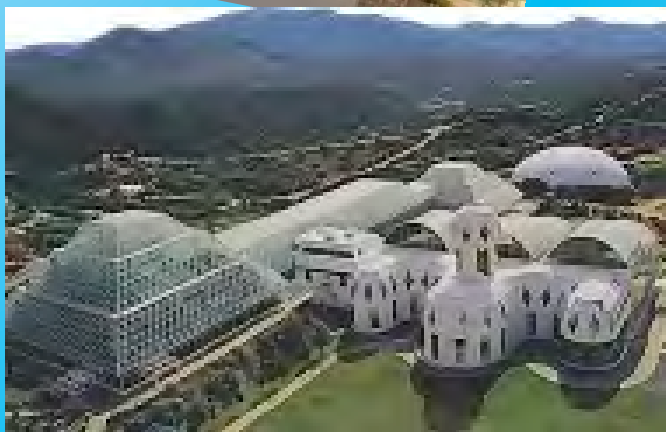


# WINTER GRADUATE SCHOOL ON ATOMIC, MOLECULAR AND OPTICAL PHYSICS

## Quantum Revolution in AMO Science

Biosphere 2 Campus, Arizona



**FEBRUARY 16 - 22, 2025**

### 2025 THEME

AMO physics-based platforms and techniques are some of the most promising systems for development of quantum simulators, quantum sensors and interface technologies. Much of this progress owes to the fact that AMO systems can be precisely controlled and characterized. This school will provide pedagogical and advanced graduate level introduction to some of the topics and algorithms.

### REQUIREMENTS

Students must have a background in modern quantum mechanics and be interested in exploring graduate research in AMO and related physics.

### REGISTRATION

Student registration opens in September. Fee includes room and board and transportation between Tucson Airport and Biosphere.

Website: <https://lweb.cfa.harvard.edu/itamp-event/2025-winter-school-quantum-revolution-amo-sciences>

### CONFIRMED LECTURERS

**Eugene Demler** (*ETH Zurich*)  
**Christian Kokail** (*ITAMP*)  
**Misha Lukin** (*Harvard University*)  
**Francisco Machado** (*ITAMP*)

**Thomas Pohl** (*Vienna Institute of Technology*)  
**Norman Yao** (*Harvard University*)  
**Hengyun Zhou** (*QuEra*)

**The Institute for Theoretical Atomic, Molecular and Optical Physics**

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