

# CMQT

## CENTER FOR MOLECULAR QUANTUM TRANSDUCTION

### Second Annual Symposium

**Friday, April 22, 2022**

\*\*\*All rooms are in the Norris University Center, 1999 Campus Dr, Evanston, IL 60208\*\*\*

09:00am-09:15am	CMQT Welcome & Updates Location: 100 McCormick Auditorium
09:15am-10:00am	Lecture 1: Peter Maurer, University of Chicago "Quantum Sensing: Probing Biological Systems in a New Light" Location: 100 McCormick Auditorium
10:00am-10:45am	Lecture 2: Elizabeth Goldschmidt, University of Illinois Urbana-Champaign "Emerging Rare-Earth Materials for Optical Quantum Information Science" Location: 100 McCormick Auditorium
10:45am-11:15am	Break
11:15am-12:00pm	Lecture 3: Theodore Goodson, University of Michigan "Nonlinear and Quantum Optical Properties of Novel Functional Organic Materials" Location: 100 McCormick Auditorium
12:00pm-01:00pm	Lunch Break Food options in the basement of Norris University Center
01:00pm-01:45pm	Lecture 4: Kwabena Bediako, University of California Berkeley "New Twists on Chemistry and Physics in Atomically Layered Materials" Location: 100 McCormick Auditorium
01:45pm-02:30pm	Lecture 5: Jeffrey Thompson, Princeton University (via Zoom) "Quantum Technologies with Rare Earth Ions" Location: 100 McCormick Auditorium
02:30pm-03:00pm	Break
03:00pm-03:45pm	Lecture 6: Sophia Economou, Virginia Polytechnic Institute and State University "Simulating Many-Body Systems with Near-Term Quantum Computers" Location: 100 McCormick Auditorium
03:45pm-04:30pm	Poster Session Location: 101 Wildcat Room

#### Virtual attendance via Zoom:

<https://northwestern.zoom.us/j/99101033123?pwd=NDZoVVZHczk1eDFNSktkY0FjODRjUT09>

**Passcode:** CMQT2022

CMQT is a U.S. DOE Energy Frontier Research Center

**Northwestern**  INSTITUTE FOR  
**SUSTAINABILITY AND ENERGY**

- **Host:**  
Michael Wasielewski,  
Director of the Center  
for Molecular Quantum  
Transduction
- **Questions?**  
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