

## Winter School on Quantum Information Science for Chemistry

### Tuesday February 20, 2024

- 8:00–8:55 *Check-in/Breakfast (hosted by IPAM)*
- 8:55–9:00 *Welcome and Opening Remarks*
- 9:00–10:30 **Wes Campbell** (University of California, Los Angeles (UCLA))  
*Introduction to Quantum Information Science I*
- 10:30–11:00 *Break*
- 11:00–12:30 **Wes Campbell** (University of California, Los Angeles (UCLA))  
*Introduction to Quantum Information Science II*
- 12:30–2:00 *Lunch (on your own)*
- 2:00–3:30 **Anna Krylov** (University of Southern California (USC))  
*Classical Quantum Chemistry and QIS Applications I*
- 3:30–4:00 *Break*
- 4:00–5:00 *Student Lightning Talks*
- 5:00–7:00 *Poster Session & Welcome Reception (Hosted by IPAM)*

### Wednesday February 21, 2024

- 8:00–9:00 *Check-in/Breakfast (hosted by IPAM)*
- 9:00–10:30 **Nicholas Hutzler** (California Institute of Technology)  
*Optical Cycling Centers I*
- 10:30–11:00 *Break*
- 11:00–12:30 **Nicholas Hutzler** (California Institute of Technology)  
*Optical Cycling Centers II*
- 12:30–2:00 *Lunch (on your own)*
- 2:00–3:30 **Anna Krylov** (University of Southern California (USC))  
*Classical Quantum Chemistry and QIS Applications II*
- 3:30–4:00 *Break*
- 4:00–6:00 *Group work on problem sets*



## Thursday February 22, 2024

- 8:00–9:00 *Check-in/Breakfast (hosted by IPAM)*
- 9:00–10:30 **Nicholas Chilton** (Australian National University)  
*Molecular Spin Qubits I*
- 10:30–11:00 *Break*
- 11:00–12:30 **Nicholas Chilton** (Australian National University)  
*Molecular Spin Qubits II*
- 12:30–12:45 *Group Photo*
- 12:45–2:00 *Lunch (on your own)*
- 2:00–5:30 *Free Time*
- 5:30–8:00 *Workshop Dinner - Faculty Club*

## Friday February 23, 2024

- 8:00–9:00 *Check-in/Breakfast (hosted by IPAM)*
- 9:00–10:30 **Birgitta Whaley** (University of California, Berkeley (UC Berkeley))  
*Quantum Algorithms for Chemistry I*
- 10:30–11:00 *Break*
- 11:00–12:30 **Birgitta Whaley** (University of California, Berkeley (UC Berkeley))  
*Quantum Algorithms for Chemistry II*
- 12:30–2:00 *Lunch and Farewell*

