



## Previous TSTC Schools

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### 2025 TSTC

TSTC Organizers:

[Benoît Roux](#), Department of Chemistry, University of Chicago

[Dominika Zgid](#) (University of Michigan)

July 21<sup>st</sup>-25<sup>th</sup>, 2025

Biophysics -- [Benoît Roux](#) (University of Chicago)

Electronic Structure Theory -- [Dominika Zgid](#) (University of Michigan)

Chemical Dynamics -- [Yuan Ping](#) (University of Wisconsin)

Statistical Mechanics -- [Grant Rotskoff](#) (Stanford University)

School Venue:

Telluride Intermediate School

721 West Colorado Ave Telluride CO 81435

### 2023 TSTC

TSTC Organizers:

[Todd Gingrich](#), Department of Chemistry, Northwestern University

[Nandini Ananth](#), Department of Chemistry & Chemical Biology, Cornell University

July 11th -July 15th, 2023

Telluride Intermediate School, 725 West Colorado Ave Telluride, CO 81435

Biophysics -- [Benoît Roux](#) (University of Chicago)

Electronic Structure Theory – [Dominika Zgid](#) (University of Michigan)

Statistical Mechanics -- Prof. [Todd Gingrich](#) (Northwestern University)

Chemical Dynamics -- Prof. [Nandini Ananth](#) (Cornell University)

School Venue:

Telluride Intermediate School

721 West Colorado Ave Telluride CO 81435

## **2021 TSTC**

TSTC Organizers:

Michael Feig, Department of Biochemistry and Molecular Biology, [Michigan State University](#)

Timothy Berkelbach, Department of Chemistry, [Columbia University](#)

July 19th-July 23rd, 2021

Telluride Intermediate School, 725 West Colorado Ave Telluride, CO 81435

Biophysics -- Prof. Michael Feig (Michigan State University)

Electronic Structure Theory -- Prof. Timothy Berkelbach (Columbia University)

Statistical Mechanics -- Prof. Todd Gingrich (Northwestern University)

Chemical Dynamics -- Prof. Nandini Ananth (Cornell University)

School Venue:

Telluride Intermediate School

721 West Colorado Ave Telluride CO 81435

## **2019 TSTC**

TSTC Organizers:

Suriyanarayanan Vaikuntanathan, Department of Chemistry, [University of Chicago](#)

Ignacio Franco, Department of Chemistry, [University of Rochester](#)

July 29th-August 2nd, 2019

Telluride Intermediate School, 725 West Colorado Ave Telluride, CO 81435

Statistical Mechanics -- Prof. Suriyanarayanan Vaikuntanathan (University of Chicago)

Chemical Dynamics -- Prof. Ignacio Franco (University of Rochester)

Biophysics -- Prof. Michael Feig (Michigan State University)

Electronic Structure Theory -- Prof. Timothy Berkelbach (Columbia University)

School Venue:

Telluride Intermediate School

721 West Colorado Ave Telluride CO 81435

Archived presentations, problem sets, reading material, and general information can be found at

[Telluride TSTC 2019](#)

## **2017 TSTC**

TSTC Organizers:

[Thomas Miller](#), Department of Chemistry, Caltech,

[Joan-Emma Shea](#), Department of Chemistry and Biochemistry, UC Santa Barbara

July 24th-28th, 2017

Telluride Intermediate School, 725 West Colorado Ave Telluride, CO 81435

### **Lecturers**

Electronic structure -- Prof. Troy Van Voorhis (MIT)

Statistical mechanics -- Prof. Phillip Geissler (UC Berkeley)  
Chemical Dynamics -- Prof. Tom Miller (Caltech)  
Biophysics -- Prof. Joan-Emma Shea (UC Santa Barbara)

Supporting Files:

[tfm\\_1\\_rate\\_theory.pdf](#)

[tfm\\_2\\_rate\\_theory\\_part2.pdf](#)

[tfm\\_3\\_path\\_integrals.pdf](#)

[tfm\\_4\\_analytical\\_continuation.pdf](#)

[tfm\\_5\\_path\\_integral\\_MD.pdf](#)

## **2015 TSTC**

TSTC Organizers:

[Phillip Geissler](#), College of Chemistry, University of California, Berkeley

[Troy Van Voorhis](#), Department of Chemistry, MIT

July 12th-18th, 2015

Telluride Elementary School, 447 West Columbia Ave Telluride CO 81435

### **Lecturers**

Electronic Structure -- Prof. Toru Shiozaki (Northwestern University)

Statistical Mechanics -- Prof. Suriyanarayanan Vaikuntanathan (University of Chicago)

Chemical Dynamics -- Prof. Tom Miller (Caltech)

Biophysics -- Prof. Joan-Emma Shea (UC Santa Barbara)

Archived presentations, problem sets, reading material, and general information can be found at

<http://tstc.mit.edu>

Supporting Files:

[tstc\\_poster\\_2015\\_v1 copy-1.pdf](#)

[TSTC-schedule-revised3.pdf](#)

## 2013 TSTC

TSTC Organizer: Edwin L. Sibert, Professor of Chemistry, University of Wisconsin-Madison

July 15th-20th, 2013

<http://www.telluridescience.org/tstc/2013>

<http://tstc.chem.wisc.edu/>

### Lecturers

Electronic Structure Theory-Professor Troy Van Voorhis, MIT

Statistical Mechanics-Professor Phillip Geissler, University of California-Berkeley

Chemical Dynamics-Professor Edwin Sibert, University of Wisconsin-Madison

2012 Awardee Plenary Lecturer: [Anna Krylov](#), University of Southern California Professor of Chemistry

2013 Awardee Plenary Lecturer: [Gregory A. Voth](#), Haig P. Papazian Distinguished Service Professor of Chemistry and the James Frank Institute at the University of Chicago

Further details about the 2013 TSTC summer school will be ongoing

## 2011 TSTC

TSTC Organizer: Professor Rigoberto Hernandez, Georgia Institute of Technology

July 10th-16th, 2011

### Lecturers

- 2010 Awardee Plenary Lecturer: Professor Ken Jordan, University of Pittsburgh
- 2011 Awardee Plenary Lecturer: Professor James Skinner, University of Wisconsin
- Electronic Structure Theory: Professor Martin Head-Gordon
- Statistical Mechanics- Professor Rigoberto Hernandez, Georgia Institute of Technology
- Chemical Dynamics- Professor Ned Sibert, University of Wisconsin-Madison
- [Click here](#) for further details about the 2011 TSTC Summer School

## 2009 TSTC

TSTC Organizer: Jack Simons, University of Utah

July 19th-25th, 2009

### Lecturers

- Special Plenary Session-Professor Peter Rosskey, University of Texas-Austin,
- Electronic Structure Theory-Professor Jack Simons, University of Utah

- Chemical Dynamics-Professor John Tully, Yale University
- Statistical Mechanics-Professor Rigoberto Hernandez, Georgia Tech
- Nanomaterials and Molecular Electronics-Professor Geoff Hutchinson, University of Pittsburgh
- [Click here](#) for further details about the 2009 TSTC Summer School