

Sessions:

Signal transduction at the single-molecule level

Sunday, August 18

10:20am - 10:50am MDT

Speaker: Gabriela Schlau-Cohen, Associate Editor, *Chemical Physics Reviews*

Hall D - Room 2 (Colorado Convention Center)

Molecular view of water interfaces

Sunday, August 18

11:00am - 11:30am MDT

Speaker: Mischa Bonn, Deputy Editor, *The Journal of Chemical Physics*

Director's Row H (Sheraton Denver Downtown Hotel)

Atom-pairwise neural network models for protein-ligand interactions

Sunday, August 18

3:45pm - 4:10pm MDT

Speaker: David Sherrill, Associate Editor, *The Journal of Chemical Physics*

Bluebird Ballroom 2H (Colorado Convention Center)

Is intersystem crossing a real physical phenomenon?

Sunday, August 18

4:45pm - 5:10pm MDT

Speaker: Xiaosong Li, Associate Editor, *Chemical Physics Reviews*

Room 705 (Colorado Convention Center)

Peptoid nanosheets for modifying in vitro cell behavior by physical interactions

Sunday, August 18

3:20pm - 03:40pm MDT

Speaker: Aaron Lau, Reviews Editor, *Biophysics Reviews*

Governor's Square 15 (Sheraton Denver Downtown Hotel)

Space filling interfacial crystals of amino acids and peptoid monomers

Monday, August 19

3:00pm - 03:20pm MDT

Speaker: Aaron Lau, Reviews Editor, *Biophysics Reviews*

Governor's Square 16 (Sheraton Denver Downtown Hotel)

Photochemically-activated NMR hyperpolarization

Tuesday, August 20

9:05am - 9:35am MDT

Speaker: Phil Castellano, Editor-in-Chief, *Chemical Physics Reviews*

Mile High Ballroom 1C (Colorado Convention Center)

Manifestation of relativistic effects in chemical processes

Tuesday, August 20

10:10am - 10:45am MDT

Speaker: Xiaosong Li, Associate Editor, *Chemical Physics Reviews*

Room 702 (Colorado Convention Center)

Photoactivation platforms enabling light-escalated catalysis using first-row transition metal complexes

Tuesday, August 20

10:40am - 11:10am MDT

Speaker: Phil Castellano, Editor-in-Chief, *Chemical Physics Reviews*

Mile High Ballroom 2C (Colorado Convention Center)

Photocatalysis in a new light: a biohybrid approach for enhanced reactivity with low-energy excitation

Tuesday, August 20

4:10pm - 4:40pm MDT

Speaker: Gabriela Schlau-Cohen, Associate Editor, *Chemical Physics Reviews*

Mile High Ballroom 2C (Colorado Convention Center)

Identifying the hot carrier effects and mechanisms in plasmonic photocatalysis

Tuesday, August 20

2:30pm - 03:00pm MDT

Speaker: Tianquan Lian, Editor-in-Chief, *The Journal of Chemical Physics*

Director's Row E (Sheraton Denver Downtown Hotel)

VAT polymerization-enabled additive manufacturing of 3D micro-architected batteries

Wednesday, August 21

2:30pm - 3:00pm MDT

Speaker: Julia R. Greer

Room 506 (Colorado Convention Center)

Biomolecular condensates can enhance pathological RNA aggregation

Wednesday, August 21

2:30pm - 03:00pm MDT

Speaker: Priya Banerjee, Reviews Editor, *Biophysics Reviews*

Room 702 (Colorado Convention Center)

Tannic acid and Fe enhanced alginate hydrogels as sustainable water remediation sorbents

Wednesday, August 21

3:15pm - 03:40pm MDT

Speaker: Aaron Lau, Reviews Editor, *Biophysics Reviews*

Tower Court D (Sheraton Denver Downtown Hotel)

Quantum Information Science and the Impact of Quantum Algorithms on Materials Science

Wednesday, August 21

5:25pm - 05:55pm MDT

Speaker: Prineha Narang, Associate Editor, *Applied Physics Letters*

Room 707 (Colorado Convention Center)

In situ/Operando ultrafast spectroscopy study of charge transfer at semiconductor photoelectrode/electrolyte interfaces

Thursday, August 22

8:50am - 09:20am MDT

Speaker: Tianquan Lian, Editor-in-Chief, *The Journal of Chemical Physics*

Room 704 (Colorado Convention Center)

Booth Events:

Celebration of emerging investigators in chemistry

Monday, August 19

3:30-5:00pm MDT

Meet recent award-winners, network, and learn about opportunities

Booth 723

Office Hours with Dr. Jenny Stein

Wednesday, August 21

10:00am-12:00pm MDT

Chat with *The Journal of Chemical Physics* Journal Manager, Dr. Jenny Stein, around any publishing questions you might have

Booth 723

Awards:

2024 Jack Simons Award in Theoretical Physical Chemistry

Winner: Xiaosong Li, Reviews Editor, *Chemical Physics Reviews*

2024 ACS award in Theoretical Chemistry

Winner: Weitao Yang, Duke University, Associate Editor, *The Journal of Chemical Physics*

Winner presentation: Density functional theory beyond common approximations and beyond ground states

Tuesday, August 20

8:40am - 09:15am MDT

Room 702 (Colorado Convention Center)

Sponsorships:

PHYS (Division of Physical Chemistry) Poster Session

Tuesday, August 20

7:00pm - 9:00pm MDT

Hall A-C (Colorado Convention Center)

Sponsored by *The Journal of Chemical Physics & Chemical Physics Reviews*

2024 Irving Langmuir Award in Chemical Physics

Winner: David Beratan, Duke University

Sponsored by *The Journal of Chemical Physics*

Winner presentation:

Tuesday, August 20

9:15am - 09:50am MDT

Room 702 (Colorado Convention Center)

2024 Masha I. Lester Award for Exemplary Impact in Physical Chemistry

Winner: Emily A. Carter, Princeton University

Sponsored in part by *The Journal of Chemical Physics & Chemical Physics Reviews*

Winner presentation:

Tuesday, August 20

3:15pm - 03:50pm MDT

Room 702 (Colorado Convention Center)

New Methods and Applications of Raman Spectroscopy and Microscopy

PHYS symposium

Sponsored by *The Journal of Chemical Physics*

Sunday August 18 – Tuesday, August 20

Various (Room 711, 710 and Hall D Room 2 in Colorado Convention Center)

Surfaces and Interfaces in Chemical and Biological Systems - A symposium honoring Hai-Lung Dai

COLL symposium

Sponsored by *The Journal of Chemical Physics*

Sunday, August 18 – Thursday, August 22

Various (Director's Row H, E and I in the Sheraton Denver Downtown Hotel)

Frontiers and challenges in nanoparticle-mediated chemical transformations

COLL symposium

Sponsored by *The Journal of Chemical Physics*

Sunday, August 18 – Thursday, August 22

Various (Director's Row I and E in the Sheraton Denver Downtown Hotel)