

Telluride Workshop on Molecular Rotors, Motors, and Switches

Organizers:

Grace Han (Brandeis University)

Jiří Kaleta (Institute of Organic Chemistry and Biochemistry of the CAS)

Sander Wezenberg (Leiden University)

August 11 - 16, 2024

Workshop Location: Telluride Science & Innovation Center, 300 S Townsend St.,
Telluride, CO 81435

Each presentation is 40 minutes with 20 minutes for discussion

Meet & Greet: Sunday, August 11, 5:00pm to 6:30pm (All-Telluride Science)

Location: Alibi – 157 S. Fir Street

Monday, August 12	Speaker/Event	Title
1:00-1:30pm	Organizers	Opening Remarks
1:30-5:45pm		Afternoon Session
1:30-2:30pm	David Amabilino	Lights, Camera, Action: Moving Molecules in Gels
2:30-3:30pm	Ivan Aprahamian	Hydrazone-Based Functional Materials
3:30-3:45pm		Coffee Break
3:45-4:45pm	Dean Astumian	TBA
4:45-5:45pm	Jonathon Beves	Controlling self-assembly with visible light

Tuesday, August 13	Speaker/Event	Title
8:30-9:00am		Breakfast
9:00-12:20pm		Morning Session
9:00-10:00am	Ben Feringa	In Control of Dynamic Functions using Switches and Motors
10:00-10:20am		Coffee Break
10:20-11:20am	Amar Flood	Anions, Cations and Macrocycles Switching In-N-Out of Equilibrium
11:20-12:20pm	Matt Fuchter	The conformation and connectivity of heteroaryl azo photoswitches (and why you should care)
12:20-12:30pm		Group Photo
12:30-1:30pm		Lunch
1:45-6:00pm		Afternoon Session
1:45-2:45pm	Miguel Garcia-Garibay	TBA
2:45-3:45pm	Grace Han	Switches and Topochemical Reactions for Energy Storage and Beyond
3:45-4:00pm		Coffee Break

Wednesday, August 14	Speaker/Event	Title
8:30-9:00am		Breakfast

9:00-12:20pm**Morning Session**

9:00-10:00am	Mingoo Jin	Design of Crystalline Molecular Gears
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10:00-10:20am

Coffee Break

10:20-11:20am	Jiri Kaleta	Towards Surface-Mounted Light-Driven Molecular Machines
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11:20-12:20pm

Stephanie Lee

TBA

12:20-1:30pm

Lunch

1:45-5:00pm**Afternoon Session**

1:45-2:45pm	Richard Liu	Directly Light-Driven Separations Using Photoacids and Photobases
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2:45-3:45pm

Jacopo Perego

Engineering dynamic and stimuli-responsive nanoporous architectures

3:45-4:00pm

Coffee Break

4:00-5:00pm	Arri Priimagi	TBA
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5:30-7:30pm

Picnic Dinner (provided)

Thursday, August 15**Speaker/Event****Title**

8:30-9:00am

Breakfast

9:00-12:20pm**Morning Session**

9:00-10:00am	Javier Read de Alaniz	TBA
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10:00-10:20am

Coffee Break

10:20-11:20am	Wataru Setaka	Dielectric Analysis of Crystalline Molecular Gyrotops with a Dipolar Rotor
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11:20-12:20 pm

Natalia Shustova

TBA

Afternoon

Recreational Break

Friday, August 16**Speaker/Event****Title**

8:30-9:00am

Breakfast

9:00-11:00am

Business Meeting