



# Molecular Rotor Workshop

PRAGUE, CZECH REPUBLIC  
NOVEMBER 2–3, 2023

ORGANIZER: JIŘÍ KALETA ([jiri.kaleta@uochb.cas.cz](mailto:jiri.kaleta@uochb.cas.cz))  
WWW: [kaleta.group.uochb.cz/en/mrw2023](http://kaleta.group.uochb.cz/en/mrw2023)

## Thursday 11/02/2023

### 8:30-8:45 CONFERENCE OPENING

8:45-9:35 Ben FERINGA Exploring Light-driven Rotary Molecular Motors

9:35-10:25 Ivan APRAHAMIAN Hydrazone-Based Functional Materials

### 10:25-11:00 COFFEE BREAK + POSTER SESSION

11:00-11:50 Angiolina COMOTTI & Piero Sozzani Controllable Rotors and Switches in Porous Materials: Their Interplay with Gases and Vapours

### 11:50-13:30 LUNCH BREAK

13:30-14:20 Alberto CREDI Supramolecular Pumps Powered by Light

14:20-15:10 Miguel GARCIA-GARIBAY Crystalline Molecular Rotor Arrays

### 15:10-16:00 COFFEE BREAK + POSTER SESSION

16:00-16:50 Nicolas GIUSEPPONE Using Artificial Molecular Machines to Drive Complex Chemical Systems Out-of-equilibrium

16:50-17:40 Grace HAN Solar Fuels Produced by Molecular Machines

17:40-18:30 Stefan HECHT Powering Molecular Systems with Photons: Prospects, Problems, Strategies

18:30 CONFERENCE DINNER (invited speakers)

## Friday 11/03/2023

9:00-9:50 Rainer HERGES Light-controlled Levitation and Switchable Aerogels

9:50-10:40 Jiří KALETA Photoswitchable Monolayers

### 10:40-11:10 COFFEE BREAK + POSTER SESSION

11:10-12:00 Nathalie KATSONIS Mechanochemistry of Molecular Rotors

### 12:00-13:40 LUNCH

13:40-14:30 Rafal KLAJN Supramolecular Machinery for Disequilibrating Azobenzenes

14:30-15:20 Eric MASSON Supramolecular Lego with Cucurbiturils and Lanthanides

### 15:20-16:00 COFFEE BREAK + POSTER SESSION

16:00-16:50 Zbigniew L. PIANOWSKI Photochromism in Cyclic Dipeptides

16:50-17:40 Gwénaél RAPENNE Biomimetic and Technomimetic Nanomachines: Molecular Motors, Vehicles and Gears

### 17:40-18:00 CLOSING REMARKS

18:00 CONFERENCE DINNER (invited speakers)



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