

"Building and Probing Small"

Confirmed speakers to date

Plenary Speakers

PL04 - Quantitative Studies of Single Molecule Mechanochemistry



Prof. Stephen CRAIG
(DUKE UNIVERSITY, Durham, United States)

PL01 - Building Small: Making the Tiniest Machines



Prof. David LEIGH
(UNIVERSITY OF MANCHESTER, Manchester, United Kingdom)

PL05 - Mechanical Engineering of Protein-Based Biomaterials: from Single Molecule to Biomaterials



Prof. Hongbin LI
(UNIVERSITY OF BRITISH COLUMBIA, Vancouver, Canada)

PL03 - Single Molecule Mechanics of Proteins



Prof. Matthias RIEF
(TECHNISCHE UNIVERSITÄT MÜNCHEN, Munich, Germany)

PL02 - Radical Chemistry



Prof. J. Fraser STODDART
(NORTHWESTERN UNIVERSITY, Evanston, United States)

Keynote Speakers

KL11 - Nanomechanical Mapping of Virus Binding Sites to Animal Cells



Prof. David ALSTEENS
(UCLOUVAIN, Louvain-La-Neuve, Belgium)

KL02 - The Challenges and Opportunities of Polymer Mechanochemistry



Prof. Roman BOULATOV
(UNIVERSITY OF LIVERPOOL, Liverpool, United Kingdom)

KL07 - Mechanochemistry of the Mechanical Bond



Dr Guillaume DE BO
(UNIVERSITY OF MANCHESTER, Manchester, United Kingdom)

KL09 - Functionalization of 2D Materials: A Molecular Approach

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Prof. Steven DE FEYTER
(KU LEUVEN, Leuven, Belgium)

KL01 - Artificial Molecular Machines that Work at all Scales



Prof. Nicolas GIUSEPPONE
(UNIVERSITY OF STRASBOURG, Strasbourg, France)

KL06 - Manipulation of Single Molecules: Wires, Switches and Motors



Prof. Leonhard GRILL
(UNIVERSITY OF GRAZ, Graz, Austria)

KL05 - Light-Driven Nanomachinery



Prof. Stefan HECHT
(HUMBOLDT-UNIVERSITÄT ZU BERLIN, Berlin, Germany)

KL10 - Force Spectroscopy and High-Speed Bio-AFM Reveal Dynamic and Nano-Mechanical Properties of Antibodies



Prof. Peter HINTERDORFER
(JOHANNES KEPLER UNIVERSITY LINZ, Linz, Austria)

KL03 - Molecular Motors Steering Macroscopic Motion



Prof. Nathalie KATSONIS
(UNIVERSITY OF TWENTE, Enschede, The Netherlands)

KL08 - Chemistry Inside the Cavities of Flexible Metal-Organic Cages



Prof. Rafal KLAJN
(WEIZMANN INSTITUTE OF SCIENCE, Klosterneuburg, Austria)

KL04 - Deconstructing the Molecular Mechanism of Extreme Mechanostability in Pathogen Adhesins



Mr Lukas MILLES
(LUDWIG-MAXIMILIANS-UNIVERSITÄT, München, Germany)

Oral Communications

OC08 - Probing PH-Switchable Enzymatic Nanoreactors by Light-Driven Proton Transfer



Dr Dietmar APPELHANS
(LEIBNIZ-INSTITUT FÜR POLYMERFORSCHUNG DRESDEN E.V., Dresden, Germany)

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(BIOIB,RICA)

OC09 - Oscillating Emission of [2]Rotaxane Driven by Chemical Fuel



Mr Amit GHOSH
(UNIVERSITY OF SIEGEN, Siegen, Germany)

OC03 - Dynamics of Individual Molecular Shuttles Under Mechanical Force



Dr Borja IBARRA
(IMDEA NANOCIENCIA, Madrid, Spain)

OC06 - Design and Synthesis of Rotary Molecular Machines for On-Surface Mechanical Studies



Dr Claire KAMMERER
(CEMES-CNRS, UNIVERSITÉ DE TOULOUSE, TOULOUSE cedex 4, France)

OC02 - Self-Assembly of Palladium(II)-Templated Covalent Macrocycles, Cages and Larger Structures



Dr Roy LAVENDOMME
(UNIVERSITY OF CAMBRIDGE, Cambridge, United Kingdom)

OC11 - Probing the Viscoelastic Properties of Polymeric Materials at the Nanoscale



Prof. Philippe LECLERE
(UMONS, Mons, Belgium)

OC10 - Versatile Tools Towards Real-Time, Single-Molecule Biology



Dr Aida LLAURO PORTELL
(LUMICKS, Amsterdam, The Netherlands)

OC05 - Prototypes of Molecular Motors Based on Ruthenium(II) and Europium(III) Complexes



Prof. Gwenaël RAPENNE
(NANOSCIENCES GROUP CEMES, TOULOUSE CEDEX 4, France)

OC01 - Multicomponent Catalytic Machinery: How the Machine Speed Impacts Catalytic Activity



Prof. Michael SCHMITTEL
(UNIVERSITY OF SIEGEN, Siegen, Germany)

OC07 - Photoswitching DNA-Templated Supramolecular Assemblies

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Prof. Mathieu SURIN
(UNIVERSITY OF MONS - UMONS, Mons, Belgium)

OC12 - Self-Assembly and Reactivity in Nanoscale Corrals on Graphite



Mr Lander VERSTRAETE
(KU LEUVEN, Leuven, Belgium)

OC04 - Probing the Implications of Knot Tightness on Molecular Level



Dr Liang ZHANG
(UNIVERSITY OF MANCHESTER, Manchester, United Kingdom)