

Program

Wednesday

8h15	Welcoming of Participants
8h45	Welcoming remarks – Prof. Jacques Mercier, Vice-President of Research, University of Montpellier
Chairman	<i>C. Bolm</i>
9h00	PL1 – Stuart James , <i>School of Chemistry and Chemical Engineering, Queen's University Belfast</i> Mechanochemistry: From Fundamental Questions To Commercialisation
9h55	OP1 – Chiara Venturini , <i>CEMES – CNRS, Toulouse (France)</i> Reactivity Of Benzoic Acid Derivatives On CaCO₃ Surface
10h20	Coffee break / poster
Chairman	<i>F. Lamaty</i>
10h50	OP2 – Matej Baláž , <i>Institute of Geotechnics, Slovak Academy of Sciences</i> Paradox In Properties Of Mechanochemically Prepared Cds@Zns Nanosuspensions In Cysteine And Polyvinylpyrrolidone: Materials Characteristics Vs. In Vitro Activity
11h25	PL2 – Carsten Bolm , <i>Institute of Organic Chemistry, RWTH Aachen University</i> Mechanochemical Activation In Asymmetric Synthesis And Catalysis
12h20	Lunch
Chairman	<i>S. James</i>
14h00	PL3 – Marc Descamps , <i>UMET (UMR CNRS 8207), University Lille 1</i> Mechanical Activation To Manipulate The Physical State Of Molecular And Pharmaceutical Compounds
14h55	OP3 – Laure Konnert , <i>Institut des Biomolécules Max Mousseron, Montpellier (France)</i> Mechanochemical Synthesis Of Pharmaceutically Active Ingredients: Hydantoins
15h20	OP4 – Ana M. Belenguer , <i>Department of Chemistry, University of Cambridge</i> Surface-Solvent Interaction Control The Stability Of Polymorphs In Mechanochemistry
15h45	Coffee break / poster
Chairman	<i>M. Descamps</i>
16h15	OP5 – Cyril Rousseau , <i>Université d'Artois, Faculté des Sciences Jean Perrin, Lens, France</i> Greener Paal-Knorr Pyrroles Synthesis By Mechanical Activation
16h40	OP6 – Katharina Jacob , <i>Institute for Technical Chemistry and Environmental Chemistry, Friedrich-Schiller University Jena, Germany</i> Evaluation Of Organic Syntheses: Classic Methods Versus Ball Milling
17h05	OP7 – Susan Sananes Israel , <i>Institut Charles Gerhardt de Montpellier, Montpellier, France</i> Synergistic Effects Of Ge and Si ON The Performances And Mechanisms Of Ge_xSi_{1-x} Electrode For Li-Ion Batteries
17h30	PL4 – Raphaël Janot , <i>Laboratoire de Réactivité et Chimie des Solides, Université de Picardie Jules Verne</i> Synthesis And Nano-Structuration Of Energy Storage Materials By Ball-Milling
18h25	Aperitif

Program

Thursday

Chairman *R. Janot*

9h00 PL5 – **Sebastiano Garroni**, *Department of Chemistry and Pharmacy, University di Sassari and INSTM*

Mechanochemistry: From Macroscopic Evidence To Microscopic Mechanisms

9h55 OP8 – **Dariusz Matoga**, *Faculty of Chemistry, Jagiellonian University, Kraków, Poland*
Mechanochemical Approach To Proton-Conducting Metal-Organic Frameworks: A Case Study

10h20 Coffee break / poster

Chairman *S. Garroni*

10h50 OP9 – **Martin K. Beyer**, *University of Innsbruck, Austria*

Pinpointing Mechanochemical Bond Rupture In Single Molecule Force Spectroscopy

11h15 PL6 – **Lucia Maini**, *Dipartimento di Chimica "G. Ciamician", Università di Bologna*
Strategies To Solve The Problem Of Solid State Characterization Of Mechanochemistry Products

12h10 Lunch

Chairwoman *L. Maini*

14h00 PL7 – **Elena V. Boldyreva**, *Novosibirsk State University, Novosibirsk*

Mechanochemistry. Complexity Of Simple Systems.

14h55 OP10 – **Deborah E. Crawford**, *School of Chemistry and Chemical Engineering, Queen's University Belfast*
Fundamental Studies Of Extrusion And Other Novel Approaches To Mechanochemical Synthesis

15h20 OP11 – **Cédric L. Epoune**, *Institut de Chimie de Picardie, Amiens (France)*
Green Access To Glycosylamines Derivatives And Evaluation Of Their Biological Activities Against Plant Pathogenic Bacteria

15h45 Coffee break / poster

Chairwoman *E. V. Boldyreva*

16h15 OP12 – **Andre Düvel**, *Institute of Physical Chemistry and Electrochemistry, Leibniz University Hannover, Hannover, Germany*

Mechanosynthesis Of Metastable $Ba_{1-x}Ca_xF_2$ And $Ba_{1-x}La_xF_{2+x}$ Exhibiting High Ionic Conductivity

16h40 OP13 – **Franziska Emmerling**, *Analytical Chemistry, Federal Institute for Materials Research and Testing (BAM), Berlin*
Direct In Situ Analysis Of Milling Reactions Using Combined X-Ray Diffraction And Raman Spectroscopy

17h05 OP14 – **Mengnan Lu**, *Unité de Catalyse et de Chimie du Solide (UCCS), Lille, France*
Diversiform Mechano-Synthesis Processes For Design Of Solid Cobalt Fischer-Tropsch Catalysts Without Solvent

17h30 Tour of Montpellier followed by Symposium dinner

Program

Friday

Chairman *F. Schüth*

9h00 OP15 – **Stéphane Menuel**, *Université d'Artois, Faculté des Sciences Jean Perrin, Lens, France*
Easy Access To Modified Cyclodextrins By Mechanosynthesis With Supramolecular Approach

9h25 OP16 – **Michael Ferguson**, *School of Chemistry and Chemical Engineering, Queen's University Belfast*
Understanding Mechanochemical Reactions At The Molecular Level: A Modelling Approach

9h50 OP17 – **Paulo F M Oliveira**, *Université de Toulouse, Mines-Albi, France*
Pharmaceutical Mechanosynthesis: Fundamental Studies, Processing And Application

10h15 Coffee break / poster

Chairwoman *L. Monconduit*

10h45 OP18 – **Robert Schmidt**, *Institute for Technical Chemistry and Environmental Chemistry (ITUC), Friedrich-Schiller University Jena, Germany*
Planetary Ball Mills As Reactor For Organic Synthesis: Influence Of Reaction Parameters.

11h10 OP19 – **Vladimír Šepelák**, *Institute of Nanotechnology, Karlsruhe Institute of Technology, Eggenstein-Leopoldshafen, Germany*
A Straightforward Mechanochemical Synthesis Of The Far-From-Equilibrium Zinc Aluminate And Its Response To The Thermal Treatment

11h35 OP 20 – **Cristina Mottillo**, *Department of Chemistry, McGill University, Montreal, Canada*
Synthesis Of Polyfunctional Metal-Organic Frameworks By Mechanochemistry And Related Methods

12h00 PL8 – **Ferdi Schüth**, *Max-Planck-Institut für Kohlenforschung, Mülheim*
Mechanochemical And Mechanocatalytic Reactions In Ball Mills

12h55 Concluding remarks