



TENTATIVE PROGRAM (as of 15/02/2021)

Conference Time Zone – Madrid, Spain (GMT+1)



K: Keynote lecture / I: Invited Lecture / FP: FlashPoster contribution



Wednesday (17/02/2021)

08:50 – 09:00: *Opening - Welcome and Introduction*

Antonio Correia – President (Phantoms foundation, Spain)

09:00 – 09:30: **Xinliang Feng** (TU Dresden, Germany) K

Polymer Chemistry in 2D Flatlands

09:30 – 10:00: **David Mecerreyes** (POLYMAT, Spain) K

Innovative polymers for next generation batteries

10:00 – 10:20: **Luisa Maria Fraga** (Spain) I

Advanced Materials for a Sustainable Future

10:20 – 10:30: **Miguel Gavara-Edo** (Universidad de Valencia, Spain) O

Chemical vapour deposition synthesis of MUV-1-Cl magnetic layered coordination polymer and study of the crystal growth process

10:30 – 10:40: **Yuan Fang** (Soochow University, China) O

Transformation between 2D and 3D Covalent Organic Frameworks via Reversible [2 + 2] Cycloaddition

10:40– 10:50: *Break*

10:50 – 11:20: **Fernando Lopez** (CIC Biomagune, Spain) K

Spatial organization of multi-enzyme systems in porous materials

11:20 – 11:50: **Jurriaan Huskens** (University of Twente, The Netherlands) K

'Catching the Flu': A Supramolecular View on the Interaction of Viruses at Interfaces

11:50 – 12:20: **Anna Roig** (ICMAB, Spain) K

Multimodal polymeric nanocapsules for imaging and therapy. Application to neurorepair

12:20 – 12:40: **Seraphine Wegner** (WWU Munster, Germany) I

Spatiotemporal control over adhesions in synthetic cells

12:40 – 13:00: **Andreu Llobera** (Microliquid, Spain) I

Photonic Lab-on-a-Chip: Integration of Optical Spectroscopy in Microfluidic Systems

13:00 – 14:00: *Lunch Break*

14:00 – 14:30: **Arturo López-Quintela** (University of Santiago de Compostela, Spain) K

Metal clusters of small atomicity synthesized by kinetic control with outstanding physicochemical properties

14:30 – 14:50: **Bernardo Herradón** (IQOG-CSIC, Spain) I

From Organic Chemistry to Nanoscience: studies on aromatic compounds

14:50 – 15:00: **Jan Holub** (Institute of Chemical Research of Catalonia (ICIQ), Spain) O

Application of Ruthenium complexes in the ammonia electro-oxidation

15:00 – 15:10: **Alvaro Seijas** (ICMol, Universidad de Valencia, Spain) O

Covalent functionalization of non-aluminium layered double hydroxide with tripodal ligands

15:10 – 15:20: **FlashPoster Session**

15:20 – 16:00: **ePoster Session**

16:00 – 16:10: *Break*

- 16:10 – 16:40: **Fernando Rey** (ITQ-UPV, Spain) K
Zeolite design for selective adsorption and separation processes
- 16:40 – 16:50: **Miguel Palomino** (Instituto de Tecnología Química (UPV-CSIC), Spain) O
Preparation of Continuous Highly Hydrophobic Pure Silica ITQ-29 Zeolite Layers on Alumina Supports
- 16:50 – 17:00: **Eduardo Pérez-Botella** (Instituto de Tecnología Química (UPV-CSIC), Spain) O
Adsorption of linear, monobranched and dibranched alkanes on pure silica STW zeolite as a promising material for their separation
- 17:00 – 17:10: **Nuria Aliaga-Alcalde** (ICREA-ICMAB/CSIC, Spain) O
Curcuminoids: Molecular Platforms for Electronic and Sensor Purposes
- 17:10 – 17:20: **Nuria González Camuñas** (Instituto de Tecnología Química (UPV-CSIC), Spain) O
Unusually Low heat of Adsorption of CO₂ on AIPO and SAPO Molecular Sieves
- 17:20 – 17:30: **Roger Sanchis-Gual** (Institut of Molecular Science, Spain) O
Design of magneto-plasmonic heterostructures formed by Au decorated on magnetic Prussian Blue-type nanocrystals
- 17:30: End of day 1



Thursday (18/02/2021)

- 09:00 – 09:30: **Artur Ciesielski** (Université de Strasbourg, France) K
2d materials beyond graphene: preparation, functionalization and their applications
- 09:30 – 09:40: **Edgar Muñoz** (Instituto de Carboquímica ICB-CSIC, Spain) O
Functionalization of Silver Nanowire Transparent Electrodes with Two-Dimensional Oligoglycine Tectomers
- 09:40 – 10:10: **Vincenzo Palermo** (Chalmer University of Technology, Sweden) K
Real-time imaging of Na⁺ reversible intercalation in “Janus” graphene stacks for battery applications
- 10:10 – 10:40: **Eugenio Coronado** (ICMOL - Universidad de Valencia, Spain) K
Molecular magnetism in 2D materials: From chemical design to spin control in molecular devices
- 10:40 – 10:50: **Carla Boix Constant** (Instituto de Ciencia Molecular, Spain) O
Optical sensing of spin-crossover compounds with 2D materials

10:50– 11:00: *Break*

- 11:00 – 11:30: **Hermenegildo García Gómez** (ITQ/UPV-CSIC, Spain) K
Photocatalytic activity of microporous, structured graphitic carbons
- 11:30 – 11:50: **Manuela Melucci** (ISOF-CNR, Italy) I
Engineered graphene composites for enhanced drinking water purification technologies
- 11:50 – 12:00: **Rosa Garriga** (Universidad de Zaragoza, Spain) O
Carbon Nanotube- and Graphene Oxide / 2D Oligoglycine Tectomer Composites and Coatings
- 12:00 – 12:10: **Samuel Mañas-Valero** (ICMol - University of Valencia, Spain) O
Sensing switchable molecular systems with 2D materials
- 12:10 – 12:20: **Ramon Torres** (University of Valencia, Spain) O
Smart molecular/MoS₂ Heterostructures to Thermally-Induced Strain Driven by Spin Switching
- 12:20 – 12:45: *ePoster Session*

12:45 – 14:00: *Lunch Break*

- 14:00 – 14:30: **Pedro Gómez-Romero** (ICN2 (CSIC-BIST), Spain) K
Polyoxometalates: from inorganic chemicals to energy materials
- 14:30 – 15:00: **Monica Lira Cantu** (ICN2, Spain) K
Additive engineering for stable halide perovskite solar cells
- 15:00 – 15:30: **Emilio Palomares** (ICIQ, Spain) K
Molecular Approaches to Energy Conversion
- 15:30 – 15:50: **Maria Escudero Escribano** (University of Copenhagen, Denmark) I
Tailored electrochemical interfaces for renewable energy conversion

15:50 – 16:10: **Maria Gimenez Lopez** (Universidad de Santiago de Compostela, Spain)
Electrocatalyst Materials for Sustainable Energy Conversion

I

16:10 – 16:30: *Break*

16:30 – 17:00: **Leonard Prins** (Università degli Studi di Padova, Italy)
Chemically-Fuelled Non-Equilibrium Self-Assembly

K

17:00 – 17:20: **Marta Mas-Torrent** (ICMAB-CSIC, Spain)

I

Functional self-assembled molecular monolayers for electrochemical devices

17:20: Closing