

TENTATIVE PROGRAM (as of 22/11/2021)

P: Plenary / K: Keynote lecture / I: Invited Lecture / O: Oral contribution



Tuesday (23/11/2021)

08:00 – 09:00: Registration

09:00 – 09:15: Opening Ceremony

09:15 – 09:30: **Adolfo Morais Ezquerro** (Basque Government, Spain)

The Basque Country IKUR Strategy 2030 in Quantum Technologies

09:30 – 10:15: **Ignacio Cirac** (Max Planck Institute of Quantum Optics, Germany) P

Quantum computers and many-body systems

10:15– 11:15: Coffee Break / Poster Session / Exhibition

11:15 – 12:00: **Tommaso Calarco** (Forschungszentrum Jülich, Germany) P

The European Quantum initiative: from a flagship to a fleet

12:00 – 12:45: **Andrea Ferrari** (Cambridge Graphene Centre, University of Cambridge, UK) P

The Graphene Flagship: The First 10 years

12:45 – 13:00: **Yolanda de Miguel** (Tecnalia, Spain)

Nanotechnology at the Basque Research and Technology Alliance (BRTA)

13:00 – 14:00: *Cocktail lunch (offered by Imaginenano2021)*

14:00 – 14:30: *Poster session*

Chairperson: **Alexander S. Shaplov** (LIST, Luxembourg)

14:30 – 15:00: **Ian Kinloch** (The University of Manchester, UK) K

Graphene and other 2D Material Multifunctional Composites

15:00 – 15:20: **Cristina Vallés** (National Graphene Institute, UK) I

Mechanical reinforcement and multifunctionality in graphene/polymer nanocomposites

15:20 – 15:50: **Yehonadav Bekenstein** (Technion, Israel) K

Nanoengineering next-generation energy materials the case of CsPbBr₃ perovskite nanocrystals

15:50 – 16:20: **Alexander S. Shaplov** (LIST, Luxembourg) K

Five approaches towards design of single-ion conducting poly(ionic liquid)s for safe all-solid-state Li batteries

16:20 – 17:00: Coffee Break / ePoster Session / Exhibition



Wednesday (24/11/2021)

Chairperson: **TBD**

- 09:00 – 09:30: **Eduardo Ruiz-Hitzky** (ICMM-CSIC, Spain) K
Advances in Clay-Based Bionanocomposite Functional Materials
- 09:30 – 09:50: **Pilar Aranda** (ICMM-CSIC, Spain) I
Use of Clay-Based Bionanocomposites as Drug Delivery Systems
- 09:50 – 10:05: **Miren Blanco** (Tekniker, Spain) O
Biobased epoxy vitrimer for reprocessable composites
- 10:05 – 10:20: **Cristina Matos** (ISQ, Portugal) O
Challenges to the evaluation of the emerging risks concerning Nanocomposites - LightMe case study

10:20– 11:20: *Coffee Break / Poster Session / Exhibition*

Chairperson: **Pilar Aranda** (ICMM-CSIC, Spain)

- 11:20 – 11:40: **Arrate Huegun** (CIDETEC, Spain) I
Nanomodified reshapeable, repairable and recyclable epoxy resin for conducting composite materials
- 11:40 – 11:55: **Fangyuan Zheng** (BCMaterials, Spain) O
Photocatalytic PVDF/TiO₂:Au nanostars membranes for ciprofloxacin degradation in water remediation
- 11:55 – 12:10: **Ander Reizabal** (BCMaterials, Spain) O
Silk Fibroin composites for next generation of sustainable smart materials development
- 12:10 – 12:25: **Daniil Nosov** (aLuxembourg Institute of Science and Technology, Luxembourg) O
New trends in development of highly conductive poly(ionic liquid)s

12:25 – 14:30: *Lunch Break*

Chairperson: **Miren Blanco** (Tekniker, Spain)

- 14:30 – 14:50: **Nerea Casado** (University of the Basque Country / POLYMAT, Spain) I
Mixed Ionic-Electronic Composites based on Poly(3,4-ethylenedioxythiophene) and Organic Ionic Plastic Crystals
- 14:50 – 15:10: **Liliana C. Tomé** (Universidade NOVA de Lisboa, Portugal) I
Two and Three-component longel Membranes for CO₂ Separation Applications
- 15:10 – 15:25: **Sarah Scheffler** (Centre de recherche Paul Pascal, France) O
Nanocomposite piezoelectric fibers
- 15:25 – 15:55: **Anna Laromaine** (ICMAB-CSIC, Spain) K
Cellulose responsive composites: control at the nanoscale

15:55: Closing

15:55 – 17:00: *Coffee Break / ePoster Session / Exhibition*