



TENTATIVE PROGRAM (as of 24/11/2021)

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: **Mónica Resines Morrás** (Nadetech Innovations, Spain) / **Susana Barasoain Arrondo** (Functional Print Cluster/3NEO, Spain)

14:30 – 14:50: **Susana Barasoain Arrondo** (Functional Print Cluster/3NEO, Spain) I

The Functional print cluster (3NEO) as a hub for 3D printing technologies innovation

14:50 – 15:10: **Mónica Resines Morrás** (Nadetech Innovations, Spain) I

Fabricate multiphase nanocomposites with nanofibers combining electrospinning and 3D printing technologies

15:40 – 16:00: **Alexander Legant** (Nanoscribe GmbH, Germany) I

Highest resolution 3D printing in research and industry

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



Wednesday (24/11/2021)

Chairperson: **TBC**

- 09:00 – 09:20: **Izaskun Bustero Martínez de Zuazo** (Tecnalia, Spain) I
3D functional printing: opportunities and challenges
- 09:20 – 09:50: **Senentxu Lanceros Méndez** (BCMaterials, Spain) K
Development and applications of printable polymer based smart and multifunctional materials
- 09:50 – 10:10: **Jean-Jacques Fouchet** (z3dlab, France) I
Mechanical and microstructural study of titanium alloy (ZTi-Powder® and ZTi-Med®) via additive manufacturing
- 10:10 – 10:25: **Wera Di Cianni** (UCA, Spain) O
New strategies for Direct Laser Writing of metallic structures

10:25– 11:15: *Coffee Break / Poster Session / Exhibition*

Chairperson: **Jean-Jacques Fouchet** (z3dlab, France) - TBC

- 11:15 – 11:45: **Juergen Brugger** (EPFL, Switzerland) K
3D Micro and nano engineering of fragile materials
- 11:45 – 12:00: **David Tilve Martinez** (Centre de Recherche Paul Pascal, France) O
3D printing of conductive nanocarbon based composites
- 12:00 – 12:15: **Oliver Etzold** (University of the Basque Country / POLYMAT Fundazioa, Spain) O
3D-printing of drug loaded hydrogel inks - Relating rheology to printability
- 12:15 – 12:30: **Edgar Hepp** (Exaddon AG, Switzerland) O
Additive micromanufacturing of metal microstructures
- 12:30 – 12:45: **Ainhoa Urtasun** (Universidad Pública de Navarra, Spain) O
The Transformation of Tasks and Skills under Additive Manufacturing: A First Look at Evidence from Job Vacancies

12:45 – 14:30: *Lunch Break*

Chairperson: **Edgar Hepp** (Exaddon AG, Switzerland)

- 14:30 – 14:50: **José Manuel Martín** (CEIT, Spain) I
Nanostructured magnetic powders produced by gas atomization
- 14:50-15:05: **Artur Moreira Pinto** (LEPABE, University of Porto, Portugal) O
Graphene-based materials and their polymer composites bioapplications and 3D printing
- 15:05 – 15:20: **Estefanía Rodríguez** (Cidaut Foundation, Spain) O
Mechanical performance of bio-polyamide nanocomposites manufactured through FFF
- 15:20 – 15:35: **Laura Clua Ferré** (Fundació Institut de Bioenginyeria de Catalunya, Spain) O
Micro-Spheroids For β -like Cell Encapsulation
- 15:35 – 16:05: **Ulli Klenk** (Siemens AG, Germany) K
Industrial Additive Manufacturing - a user perspective

16:05: Closing

16:05 – 17:05: *Coffee Break / ePoster Session / Exhibition*