

## Graphene Week Matchmaking Profiles: Manufacturing and industrial innovation (Cluster 4)

Prepare for our EU Funding Opportunities Matchmaking Session by exploring the statements of interest below. In this document, you will find the submitted statements of interest for the matchmaking session.

### Participants without a detailed statement

The following participants submitted a blank or N/A statement. Their details are listed below.

| Participant           | Affiliation                                                                     | Country        | Participation interest                                                                                                                                                  |
|-----------------------|---------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tom Badcock           | Paragraf                                                                        | United Kingdom | I am curious about relevant EU funding opportunities                                                                                                                    |
| Nihan Birgün          | Ms                                                                              | Türkiye        | I would like to promote my expertise and find collaborators; I am curious about relevant EU funding opportunities                                                       |
| Ivana Cavaliere       | ICFO                                                                            | Spain          | N/A                                                                                                                                                                     |
| Claudia Delgado SIMAO | University of Antwerp                                                           | Espanha        | I would like to join a project proposal as a partner; I would like to promote my expertise and find collaborators                                                       |
| Bruna Fonseca         | FI Group by EPSA Portugal                                                       | Portugal       | I would like to join a project proposal as a partner; I would like to coordinate a project proposal and am looking for partners                                         |
| Armin Gholizadeh      | University of leeds- Bragg Centre for Materials Research at university of leeds | United Kingdom | I would like to promote my expertise and find collaborators; I am curious about relevant EU funding opportunities                                                       |
| Meriem Gouasmi        | University of Turin ( unito)                                                    | Italy          | I am curious about relevant EU funding opportunities                                                                                                                    |
| Kerli Liivand         | Jälle Technologies                                                              | Estonia        | I would like to join a project proposal as a partner; I would like to promote my expertise and find collaborators; I am curious about relevant EU funding opportunities |
| Thuany Maraschin      | XGraphene                                                                       | Brazil         | I would like to join a project proposal as a partner                                                                                                                    |

| Participant                 | Affiliation                                                       | Country     | Participation interest                                                                                                                                                                      |
|-----------------------------|-------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Šarūnas Meškinis</b>     | Institute of Materials Science of Kaunas University of Technology | Lithuania   | I would like to join a project proposal as a partner; I would like to promote my expertise and find collaborators                                                                           |
| <b>Abbas Mohtashami</b>     | TNO                                                               | Netherlands | I would like to promote my expertise and find collaborators                                                                                                                                 |
| <b>Babita Negi</b>          | RWTH Aachen University                                            | Germany     | N/A                                                                                                                                                                                         |
| <b>Sofia Oliveira</b>       | FI Group by EPSA Portugal                                         | Portugal    | I would like to join a project proposal as a partner; I would like to coordinate a project proposal and am looking for partners                                                             |
| <b>Irini Petrou</b>         | University of Applied Sciences Kaiserslautern                     | Germany     | N/A                                                                                                                                                                                         |
| <b>Maite Riano Junquera</b> | CSIC                                                              | Spain       | I would like to join a project proposal as a partner; I would like to coordinate a project proposal and am looking for partners; I would like to promote my expertise to find collaborators |
| <b>Virginia Ranaweera</b>   | University of Jyväskylä                                           | Finland     | I am curious about relevant EU funding opportunities                                                                                                                                        |
| <b>Manuel Santos</b>        | FCT                                                               | Portugal    | I would like to join a project proposal as a partner                                                                                                                                        |
| <b>Maksim Sargsyan</b>      | Yerevan State University                                          | Armenia     | I am curious about relevant EU funding opportunities                                                                                                                                        |
| <b>VIKASH SINGH</b>         | IIT ROPAR                                                         | INDIA       | I would like to promote my expertise and find collaborators; I am curious about relevant EU funding opportunities                                                                           |
| <b>Laura von Lüders</b>     | Company                                                           | Germany     | I am curious about relevant EU funding opportunities                                                                                                                                        |

## Detailed statements

### 1. Anna Aleksandrova, HU Berlin

|                            |                                                                             |
|----------------------------|-----------------------------------------------------------------------------|
| Country of residence       | Germany                                                                     |
| Topics / calls of interest | • Manufacturing and industrial innovation (Cluster 4)                       |
| Participation interest     | • I would like to coordinate a project proposal and am looking for partners |

#### Statement of interest

Institut Kurz and research associates at Humboldt University of Berlin are developing NEG (Non-Ergodic Generator), a nanoscale element designed for chip-scale integration.

The NEG mechanism — magnetic-field-induced rectification of electron transport in curved ballistic graphene channels.

The device generates electrical power directly from the thermal motion of electrons, without fuel, sunlight, or a chemical battery.

The design target is chip-scale integration — arrays of many NEG elements packed onto a single chip.

### 2. Inge Asselberghs, imec

|                            |                                                        |
|----------------------------|--------------------------------------------------------|
| Country of residence       | Belgium                                                |
| Topics / calls of interest | • Manufacturing and industrial innovation (Cluster 4)  |
| Participation interest     | • I am curious about relevant EU funding opportunities |

#### Statement of interest

Identifying opportunities where imec can act as a partner in projects aiming for transitioning from lab-to-fab by providing process support, dedicated platform enablement, and device- and system-level analysis for emerging technologies, new materials, processes, and various applications.

### 3. Ana Luiza C. Pereira, University of Campinas - UNICAMP

|                            |                                                        |
|----------------------------|--------------------------------------------------------|
| Country of residence       | Brazil                                                 |
| Topics / calls of interest | • Manufacturing and industrial innovation (Cluster 4)  |
| Participation interest     | • I am curious about relevant EU funding opportunities |

#### Statement of interest

I lead a research group at UNICAMP (Brazil) developing graphene-based functional materials through advanced manufacturing. Our expertise includes laser-induced GO reduction for conductive architectures, 3D printing of rGO-filled resins, process–structure–function studies, and electrical characterization. We also develop biodegradable starch–pectin/GO biofilms and flexible humidity sensors, investigating humidity-driven energy harvesting and interfacial charge phenomena in GO/rGO systems.

#### 4. Alexandre Carvalho, i3N / University of Aveiro

|                            |                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Portugal                                                                                                                |
| Topics / calls of interest | • Manufacturing and industrial innovation (Cluster 4)                                                                   |
| Participation interest     | • I would like to promote my expertise and find collaborators<br>• I am curious about relevant EU funding opportunities |

##### Statement of interest

I work on both CVD graphene (focused on GFET-based sensors) and laser processing, both on the synthesis size (Laser induced graphene) and CVD-graphene patterning for low cost components and sensors. I also work on general laser processing of other materials.

#### 5. Silvia Colella, PNO Digital

|                            |                                                               |
|----------------------------|---------------------------------------------------------------|
| Country of residence       | Italy                                                         |
| Topics / calls of interest | • Manufacturing and industrial innovation (Cluster 4)         |
| Participation interest     | • I would like to promote my expertise and find collaborators |

##### Statement of interest

PNO Innovation Digital is looking to connect with companies, research organisations, technology developers and project coordinators working on European R&I opportunities. We support organisations in identifying funding opportunities, building collaborations and consortia, and turning R&D into impact and market opportunities. Our expertise includes innovation and project development, exploitation and market uptake, business and technology intelligence, stakeholder engagement, communication and dissemination. We are particularly interested in advanced materials, manufacturing, energy and climate technologies, circular economy, digitalisation and AI, both to support new initiatives and contribute as a partner to European R&I projects.

#### 6. Glanluigi Creonti, Crossfire Srl

|                            |                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Italy                                                                                                                   |
| Topics / calls of interest | • Manufacturing and industrial innovation (Cluster 4)                                                                   |
| Participation interest     | • I would like to join a project proposal as a partner<br>• I would like to promote my expertise and find collaborators |

##### Statement of interest

Expertise : Mass Production Circular Recyclable Lightweight composite raw materials. Recycled Carbon fabric direct re-use

Ultrimer self healing behave; Graphene Oxide addition patented technology

Looks for Automotive, Marine, Wind and building innovation projects

## 7. Paula Dias, UPORTO - FEUP - LEPABE

|                            |                                                                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Portugal                                                                                                                                                              |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                 |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li><li>• I am curious about relevant EU funding opportunities</li></ul> |

### Statement of interest

I coordinate the ZeroCarb project, funded by the EIC Transition programme, which is developing a catalytic methane splitting technology to produce decarbonized hydrogen and renewable graphitic carbon. I am interested in establishing collaborations to explore and develop innovative applications for these sustainable and tunable graphitic carbon materials across a range of industrial and advanced technology sectors.

## 8. Bruno Figueiredo, Graphenest SA

|                            |                                                                                                        |
|----------------------------|--------------------------------------------------------------------------------------------------------|
| Country of residence       | Portugal                                                                                               |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>  |
| Participation interest     | <ul style="list-style-type: none"><li>• I am curious about relevant EU funding opportunities</li></ul> |

### Statement of interest

Graphene-based absorption materials

## 9. Amir Ghiami, Oxford Instruments Plasma Technology

|                            |                                                                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Germany                                                                                                                                                                      |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                        |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li><li>• I would like to promote my expertise and find collaborators</li></ul> |

### Statement of interest

I have around 10 years of experience in synthesis, characterization and device integration of 2D materials. I am also familiar with machine learning approaches and implementing AI models for process optimization and study of materials behaviour. I am exploring ideas of deeply integrating AI methods in 2D material technology chain, spanning synthesis/deposition, characterization, and automation.

## 10. Francesco Greco, Sant'Anna School of Advanced Studies, Pisa

|                            |                                                                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Italy                                                                                                                                                                        |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                        |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li><li>• I would like to promote my expertise and find collaborators</li></ul> |

### Statement of interest

expertise in materials for bioelectronics, conjugated polymers, wearable/epidermal electronics, laser induced graphene, materials and processes for green electronics, circular economy.

## 11. Facundo Gutierrez, BORN GmbH

|                            |                                                                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Germany                                                                                                                                                               |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                 |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li><li>• I am curious about relevant EU funding opportunities</li></ul> |

### Statement of interest

BORN GmbH develops advanced knitted textiles and seamless wearable systems through its Smart Textile Hub. We specialize in integrating sensing, electromuscular stimulation, energy harvesting and storage, and robotic textile technologies into functional garments, supporting the path from research to industrial prototypes. We are looking to join Horizon Europe and EIC projects as an industrial partner for next-generation smart textile applications.

## 12. Daniil Karnaushenko, Research Center MAIN TU Chemnitz

|                            |                                                                                                        |
|----------------------------|--------------------------------------------------------------------------------------------------------|
| Country of residence       | Germany                                                                                                |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>  |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li></ul> |

### Statement of interest

I am interested in partnerships around flexible electronics, self-assembled microelectronics, small-scale autonomous systems, and advanced sensor platforms for environmental and bio-related applications. My project interests include compact, low-power sensing systems, integration of functional materials with microelectronic architectures, and scalable approaches for smart surfaces, biointerfaces, and distributed sensor networks. I am looking to connect with partners working on graphene-enabled sensors, flexible devices, printed/self-assembled electronics, and autonomous microsystems.

## 13. Ronald Klomp, Royal Netherlands Aerospace Centre NLR

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|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Netherlands                                                                                                                                                                  |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                        |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li><li>• I would like to promote my expertise and find collaborators</li></ul> |

### Statement of interest

NLR is the Aerospace Research Centre in The Netherlands, operating worldwide. With respect to graphene, our interest is in working with graphene modified composites and coatings that will help improve the performance (in wide range) of aerospace components where we bring in the expertise on composites design, analysis, manufacturing and testing incl. industrialisation of the manufacturing process. Testing ranges from coupon level up to prototype, incl. flying.

#### 14. Eva Kovacevic, GREMI CNRS&University of Orleans

|                            |                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | France                                                                                                                                                                                                                                                                                                                          |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                                                                                                                                                                           |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li><li>• I would like to coordinate a project proposal and am looking for partners</li><li>• I would like to promote my expertise and find collaborators</li><li>• I am curious about relevant EU funding opportunities</li></ul> |

##### Statement of interest

Our expertise is SSdB, our processes are low temperature, low power hybrid plasmas, which can be connected with energy consuming processes, as gas conversion towards CRMs.

We offer to partners transportable material and process diagnostics, our know how in mesoporous and vertical structures, 2D/3D stacked architectures, MoS<sub>2</sub>, Graphene, polymers, their functionalisation and doping, functionalized surfaces with switchable wettability. We worked on supercapacitors, biosensors, CO<sub>2</sub>, CH<sub>4</sub> conversion towards materials, C<sub>2</sub>H<sub>2</sub> conversion and production, and many other fields including adhesive interfaces for dual use and extreme conditions. We offer design, clean room intensive activity and PI- (plasma enhanced) durability testing of AM, walls/chambers/ facilities cleaning and conditioning

#### 15. Jitender Kumar, TACC Limited

|                            |                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | INDIA                                                                                                                                                                                                                                                                                                                           |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                                                                                                                                                                           |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li><li>• I would like to coordinate a project proposal and am looking for partners</li><li>• I would like to promote my expertise and find collaborators</li><li>• I am curious about relevant EU funding opportunities</li></ul> |

##### Statement of interest

Role of Graphene derivatives in industrial application. TO explore possibilities of utilizing graphene based materials for specialized applications such as defense, quantum computing and robotics.

#### 16. Paulo Lage, AIRBUS

|                            |                                                                                                                                                                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | United Kingdom                                                                                                                                                                                                                                                  |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                                                                                                           |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li><li>• I would like to promote my expertise to find collaborators</li><li>• I would like to coordinate a project proposal and am looking for partners</li></ul> |

##### Statement of interest

Producers of graphene doped masterbatches suitable to manufacture thermoplastic based CFRP pre-pregs. Experienced researchers, industrial or academic, able to quantify accurately conductivity properties of graphene doped CFRP aero-components.

Graphene material suppliers that are willing to test physical demonstrators in order to determine material suitability for aerospace applications.

## 17. Diana Marcano, Łukasiewicz Research Network

|                            |                                                               |
|----------------------------|---------------------------------------------------------------|
| Country of residence       | Poland                                                        |
| Topics / calls of interest | • Manufacturing and industrial innovation (Cluster 4)         |
| Participation interest     | • I would like to promote my expertise and find collaborators |

### Statement of interest

Why Mxenes/Mxenes Hybrids?

From safe-and-sustainable-by-design (SSbD) lab-scale production (tens of grams) to the hundreds of kilograms required by industry, we are seeking a clear USP to advance this multifunctional 2D material to the next stage.

## 18. Mateusz Marczewski, Łukasiewicz Research Network - Poznań Institute of Technology

|                            |                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Poland                                                                                                                  |
| Topics / calls of interest | • Manufacturing and industrial innovation (Cluster 4)                                                                   |
| Participation interest     | • I would like to join a project proposal as a partner<br>• I would like to promote my expertise and find collaborators |

### Statement of interest

I am the Area Leader for Engineering Materials Development at Łukasiewicz - Poznań Institute of Technology. My expertise combines powder metallurgy and field-assisted sintering with thin-film and coating technologies, including aerosol deposition and magnetron sputtering. I work on the development and characterisation of metallic, ceramic and composite materials, including materials for energy applications. I have experience in international R&D projects, industrial cooperation, technology transfer and process scale-up. I am interested in establishing contacts with research and industrial partners and exploring potential cooperation in future European projects.

## 19. Maria Martins, Citeve

|                            |                                                                                                                                                                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Portugal                                                                                                                                                                                                                                                         |
| Topics / calls of interest | • Manufacturing and industrial innovation (Cluster 4)                                                                                                                                                                                                            |
| Participation interest     | • I would like to join a project proposal as a partner<br>• I would like to coordinate a project proposal and am looking for partners<br>• I would like to promote my expertise and find collaborators<br>• I am curious about relevant EU funding opportunities |

### Statement of interest

With nearly 20 years of experience in Defence innovation, CITEVE develops advanced smart textile and e-textile solutions that integrate cutting-edge materials, including graphene and 2D materials to enhance protection, sensing, communication, and energy functionalities. Through close collaboration with the Portuguese Ministry of Defence, the European Defence Agency (EDA), the European Defence Fund (EDF), and NATO, CITEVE contributes to the development of next-generation textile-based technologies that strengthen operational capabilities, improve soldier performance, and support the digital transformation of Defence systems.

## 20. Roshen Mathura, GraphenePioneer BV

|                            |                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Netherlands                                                                                                      |
| Topics / calls of interest | • Manufacturing and industrial innovation (Cluster 4)                                                            |
| Participation interest     | • I would like to join a project proposal as a partner<br>• I am curious about relevant EU funding opportunities |

### Statement of interest

The usage of Graphene materials in the building and construction sector. Looking for partners willing to collaborate in EU and SADC region.

Company: GraphenePioneer BV

CEO: Roshen Mathura

Email: [roshen.mathura@graphenepioneer.com](mailto:roshen.mathura@graphenepioneer.com)

## 21. Hudson Miranda, FabNS

|                            |                                                        |
|----------------------------|--------------------------------------------------------|
| Country of residence       | Brazil                                                 |
| Topics / calls of interest | • Manufacturing and industrial innovation (Cluster 4)  |
| Participation interest     | • I am curious about relevant EU funding opportunities |

### Statement of interest

FabNS is a UFMG spin-off from Belo Horizonte, Brazil, developing instrumentation for nanoscale characterization of graphene and 2D materials. Our Porto nanoscope integrates tip-enhanced Raman spectroscopy (TERS) and scattering-type near-field optical microscopy (s-SNOM) at nanometric resolution, together with batch-fabricated PTPP near-field probes and PortoFlow hyperspectral analysis software. We offer expertise in correlative nano-Raman/SNOM metrology supporting quality control for scalable 2D-material production. We are seeking European partners in materials characterization, graphene manufacturing, and digital/AI-driven data analysis for spectroscopy, and welcome joint EU projects connecting Brazilian and European nanotechnology.

## 22. Artur Moreira Pinto, LEPABE/FEUP - University of Porto

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|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Portugal                                                                                                                                                                                                                                                         |
| Topics / calls of interest | • Manufacturing and industrial innovation (Cluster 4)                                                                                                                                                                                                            |
| Participation interest     | • I would like to join a project proposal as a partner<br>• I would like to coordinate a project proposal and am looking for partners<br>• I would like to promote my expertise and find collaborators<br>• I am curious about relevant EU funding opportunities |

### Statement of interest

I am looking for partners to develop collaborative projects involving graphene and other two-dimensional (2D) nanomaterials for biomedical and healthcare applications, including drug delivery, photothermal therapy, tissue engineering, and biosensing. Our group has extensive expertise in the synthesis, functionalization, and biological evaluation of 2D nanomaterials and can produce large batches of graphene and related materials with controlled thickness (few-layer to monolayer) and tunable later

## 23. Sofia Öiseth, Chalmers Industriteknik

|                            |                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Sweden                                                                                                                                                                                                                                      |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                                                                                       |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li><li>• I would like to promote my expertise and find collaborators</li><li>• I am curious about relevant EU funding opportunities</li></ul> |

### Statement of interest

Chalmers Industriteknik, Sweden - We are a research and development organization with a focus on innovation for a sustainable society. In close collaboration with researchers, academia, and industry, we develop new technical solutions, environmentally friendly materials, and circular business models that provide real benefits to our society. Our mission includes stimulating, participating and driving innovation and development efforts, communicating and disseminating knowledge and results.

## 24. Marco Pelin, University of Trieste

|                            |                                                                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Italy                                                                                                                                                                        |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                        |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to promote my expertise and find collaborators</li><li>• I am curious about relevant EU funding opportunities</li></ul> |

### Statement of interest

The research group of Prof. Marco Pelin (University of Trieste) has a long-lasting expertise in nanotoxicology with a strong focus on the bio-interaction between 2D nanomaterials and biological systems, in particular at the skin and pulmonary levels. To this aim, our work investigates molecular, cellular and tissue responses to nanomaterials exposure, with particular attention to oxidative stress, inflammation, and barrier integrity in advanced in vitro models, including 3D human-relevant systems. Safety assessment is completed by the adoption of selected test guidelines given by standardization agencies (i.e. OECD), to collect robust and reliable toxicological data about the most feasible adverse outcomes (i.e. irritation or sensitization), also suitable for regulatory purposes.

## 25. Rui Pereira, HyCarb

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Portugal                                                                                                                                                              |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                 |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li><li>• I am curious about relevant EU funding opportunities</li></ul> |

### Statement of interest

I am a Product and Materials Engineer at HyCarb, a deep-tech startup based in Porto developing a patented catalytic methane splitting technology. Our process generates sustainable, high-quality graphitic carbon as a co-product, with potential to replace conventional graphite and graphite-derived materials in a range of applications. I am looking for collaboration opportunities to develop new graphene-based products and applications where our carbon could serve as an attractive feedstock, leveraging its properties, sustainability, and potential for tailored material development.

## 26. Dmitry Polyushkin, TU Wien

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Austria                                                                                                                                                                     |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                       |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to promote my expertise to find collaborators</li><li>• I am curious about relevant EU funding opportunities</li></ul> |

### Statement of interest

We are working on advanced electronic devices based on two-dimensional materials, with a focus on nanoscale and scalable electronic components. Our expertise includes fabrication, processing, and electrical characterisation of 2D material-based devices. We are particularly interested in EU-funded collaborative projects on scalable 2D electronics, neuromorphic and low-power computing devices, and industrially relevant manufacturing approaches. We are looking to connect with academic and industrial partners interested in electronics-driven applications and Horizon Europe funding opportunities.

## 27. Apurba Ray, Institute for Frontier Materials on Earth and in Space (FM), German Aerospace Center (DLR e.V.), 51147 Cologne

|                            |                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Germany                                                                                                                                                                                                                                     |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                                                                                       |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li><li>• I would like to promote my expertise and find collaborators</li><li>• I am curious about relevant EU funding opportunities</li></ul> |

### Statement of interest

Hello everyone!

Our research team is currently focusing on electrochemical energy storage (mainly supercapacitors and batteries) and gas sensors. I am highly interested in meeting new researchers, exchanging novel ideas, and exploring opportunities for future collaborations and joint project applications. If you are working in these fields or have ideas to share, please feel free to reach out. Let's connect and see you at the conference!

Best regards,

Apurba Ray

## 28. Sarah Riazimehr, Oxford Instruments Plasma Technology

|                            |                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Germany                                                                                                                                                                                                                                     |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                                                                                       |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li><li>• I would like to promote my expertise and find collaborators</li><li>• I am curious about relevant EU funding opportunities</li></ul> |

### Statement of interest

I would like to participate in the matchmaking sessions to connect with potential project partners, expand my network, and explore opportunities for collaboration on EU-funded projects. I hope to identify complementary expertise, discuss innovative ideas, and establish partnerships where our tooling solutions can contribute to bringing 2D technologies into industrial applications.

## 29. Irek Roslon, SoundCell

|                            |                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Netherlands                                                                                                                                                                                                                                 |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                                                                                       |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li><li>• I would like to promote my expertise and find collaborators</li><li>• I am curious about relevant EU funding opportunities</li></ul> |

### Statement of interest

SoundCell is developing the MelodyOne, a rapid phenotypic antimicrobial susceptibility testing platform that uses graphene nanomotion sensors to measure bug response to antibiotics within one hour. We seek partners for wafer-scale graphene chip processing, cartridge manufacturing, automated assembly, quality control, optical readout, data analysis and clinical validation. We bring expertise in graphene sensor design, microbiology, nanomotion measurement, diagnostic software, hospital pilots and IVDR-oriented product development. Our goal is to build a scalable European platform for next-generation rapid diagnostics.

## 30. Sascha Sadewasser, INL - International Iberian Nanotechnology Laboratory

|                            |                                                                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Portugal                                                                                                                                                                     |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                        |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li><li>• I would like to promote my expertise and find collaborators</li></ul> |

### Statement of interest

We can grow wafer scale (2 inch) 2D materials for optoelectronic applications, such as GaSe, InSe, In<sub>2</sub>Se<sub>3</sub> and the 2D topological insulator Bi<sub>2</sub>Se<sub>3</sub>. The materials can be processed in cleanroom environment to device structures.

## 31. Andreas Sandin, Silex Microsystems

|                            |                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------|
| Country of residence       | Sweden                                                                                                        |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>         |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to promote my expertise and find collaborators</li></ul> |

### Statement of interest

Silex is the worlds largest MEMS foundry. Being a member of Next2Digits EU-project, our goal is to establish graphene in MEMS products. Open to find partners in this field and to discuss project ideas.

### 32. Burcu Saner Okan, Euronova/Sabanci University

|                            |                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Türkiye                                                                                                                                                                                                                                                                                                                         |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                                                                                                                                                                           |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li><li>• I would like to coordinate a project proposal and am looking for partners</li><li>• I would like to promote my expertise and find collaborators</li><li>• I am curious about relevant EU funding opportunities</li></ul> |

#### Statement of interest

Euronova is looking for OEMs, Tier suppliers, research institutes, and industrial partners interested in joint product development using graphene and 2D material-enabled sustainable composites, lightweight structures, additive manufacturing, and circular material solutions. We aim to co-develop, validate, and scale multifunctional materials for aerospace, automotive, energy, and sustainable aviation applications. Our expertise includes sustainable graphene integration into polymer composites, recycled and bio-based material systems, functional additives, compound development, and pilot-scale material production. We are particularly interested in industry-driven collaborations leading to product validation, demonstration, and commercialization.

### 33. Gilda Santos, CITEVE - Technological Centre for the Textile and Clothing Industries of Portugal

|                            |                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Portugal                                                                                                                                                                                                                                                                                                                        |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                                                                                                                                                                           |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li><li>• I would like to coordinate a project proposal and am looking for partners</li><li>• I would like to promote my expertise and find collaborators</li><li>• I am curious about relevant EU funding opportunities</li></ul> |

#### Statement of interest

With nearly 20 years of experience in Defence innovation, CITEVE develops advanced smart textile and e-textile solutions that integrate cutting-edge materials, including graphene and 2D materials to enhance protection, sensing, communication, and energy functionalities. Through close collaboration with the Portuguese Ministry of Defence, the European Defence Agency (EDA), the European Defence Fund (EDF), and NATO, CITEVE contributes to the development of next-generation textile-based technologies that strengthen operational capabilities, improve soldier performance, and support the digital transformation of Defence systems.

### 34. Abhay Shivayogimath, 2D ApS

|                            |                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Denmark                                                                                                                                                                                                                                     |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                                                                                       |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li><li>• I would like to promote my expertise and find collaborators</li><li>• I am curious about relevant EU funding opportunities</li></ul> |

#### Statement of interest

2D is commercializing roll-to-roll and large-area production and integration of CVD graphene. Our process enables sustainable, CRM-free, scalable integration of graphene across electronics, biosensing, membranes, next-gen PV, and composites. We are interested in joining consortia where we provide expertise in CVD graphene and/or integration/development of end-applications. Examples: lower-LCA alternatives to conductive, passivating and barrier materials (PV, SSbD packaging); transparent/ultrathin electrodes and barrier coatings; and novel composites for thermal management/EMI shielding. Our films also suit large-area photonic-chip and MEMS applications. We're open to discussing collaborative proposals, joining proposals as a partner, and have some project ideas looking for partners.

2D is a spin-out of the EU Graphene Flagship and the Technical University of Denmark, commercializing roll-to-roll transfer and applications of CVD graphene films. Our technology and processes enable sustainable, low-cost, and scalable integration of graphene across a range of applications, including electronics, biosensing, membranes, renewable energy, and composites. We are interested in joining consortia where we can provide expertise in CVD graphene: novel composites (EMI shielding, thermal management, mechanical enhancement), membranes (filtration, CO<sub>2</sub> separation, electrolysis/fuel cells), transparent/ultrathin electrodes, or ultrathin barrier coatings. We are also open to playing the role of an EU-based commercial partner for CVD graphene in large-area applications. Examples: lower-LCA alternatives to conductive, passivating and barrier materials (PV, SSbD packaging); transparent/ultrathin electrodes and barrier coatings; and novel composites for thermal management/EMI shielding. Our films also suit large-area photonic-chip and MEMS applications. We're open to discussing collaborative proposals, joining proposals as a partner, and have some project ideas looking for partners.

### 35. Jinhua Sun, Chalmers University of Technology

|                            |                                                                                                        |
|----------------------------|--------------------------------------------------------------------------------------------------------|
| Country of residence       | Sweden                                                                                                 |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>  |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li></ul> |

#### Statement of interest

Graphene, MXene  
Surface functionalization  
self-assembling structure  
battery  
structural supercapacitor  
battery manufacturing  
conductive additives

### 36. Harriet van der Vliet, Oxford Instruments Plasma Technology

|                            |                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | United Kingdom                                                                                                                                                                                                                              |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                                                                                       |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li><li>• I would like to promote my expertise and find collaborators</li><li>• I am curious about relevant EU funding opportunities</li></ul> |

#### Statement of interest

It would be great to connect with potential project partners to understand a little more about future project calls including 2D materials where plasma enhanced deposition and etch are required and our expertise could add value to a consortium or collaboration.

### 37. Gerard VERBIEST, TU Delft

|                            |                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Netherlands                                                                                                                                                                                                                                 |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                                                                                       |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li><li>• I would like to promote my expertise and find collaborators</li><li>• I am curious about relevant EU funding opportunities</li></ul> |

#### Statement of interest

I lead a research group at Delft University of Technology developing ultrasound, nanomechanical, and integrated photonic sensing technologies for applications ranging from sustainable agriculture to next-generation microscopy. Our research combines acoustics, nanotechnology, photonics, and precision engineering to enable non-invasive measurements at unprecedented spatial and temporal resolution. Our goal is to translate fundamental discoveries into technologies that advance agriculture, healthcare, and the next generation of electronic and photonic systems.

### 38. Elvira Villaro, Avanzare Innovación Tecnológica

|                            |                                                                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | España                                                                                                                                                                       |
| Topics / calls of interest | <ul style="list-style-type: none"><li>• Manufacturing and industrial innovation (Cluster 4)</li></ul>                                                                        |
| Participation interest     | <ul style="list-style-type: none"><li>• I would like to join a project proposal as a partner</li><li>• I would like to promote my expertise and find collaborators</li></ul> |

#### Statement of interest

AVANZARE is a company devoted to preparation and industrial commercialization of 2D materials as graphene. We are looking for opportunities to collaborate in proposals to develop and upscale new disruptive materials for industries as mobility, energy, building or packaging. Mainly intrested on CL4, CL5 topics.

### 39. Ioana Carmen Vladu, RHP-Technology GmbH

|                            |                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Austria                                                                                                                                                                           |
| Topics / calls of interest | • Manufacturing and industrial innovation (Cluster 4)                                                                                                                             |
| Participation interest     | • I would like to join a project proposal as a partner<br>• I would like to promote my expertise and find collaborators<br>• I am curious about relevant EU funding opportunities |

#### Statement of interest

RHP is actively engaged in a range of projects focused on the development and upscaling of advanced graphene- and MXene-based composite materials for metallic and polymeric matrices, using powder metallurgy and plasma powder deposition technologies. We are keen to contribute as an active partner in EU-funded collaborative projects.

### 40. NianJheng WU, AIXTRON SE

|                            |                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Country of residence       | Germany                                                                                                                 |
| Topics / calls of interest | • Manufacturing and industrial innovation (Cluster 4)                                                                   |
| Participation interest     | • I would like to promote my expertise and find collaborators<br>• I am curious about relevant EU funding opportunities |

#### Statement of interest

We are looking to connect with partners interested in wafer-scale deposition and CMOS integration of 2D materials. AIXTRON offers a Close Coupled Showerhead (CCS) MOCVD platform for the growth of transition metal dichalcogenides, such as MoS<sub>2</sub> and WSe<sub>2</sub>, as well as insulating 2D materials like hBN, on substrates up to 300 mm. The platform supports FEOL and BEOL process development and scale-up, with in situ monitoring capabilities including pyrometry, reflectometry, wafer bow monitoring, and source gas concentration control, enabling reproducible growth, uniformity assessment, and statistical process control. We are very open and pleased to discuss various possibilities for collaboration.

### 41. Ahmed Elmarakbi, Northumbria University

|                            |                                                                           |
|----------------------------|---------------------------------------------------------------------------|
| Country of residence       | United Kingdom                                                            |
| Topics / calls of interest | • Manufacturing and industrial innovation (Cluster 4)                     |
| Participation interest     | I would like to coordinate a project proposal and am looking for partners |

#### Statement of interest

Consortia are currently being formed for the following calls:

- HORIZON-CL4-2027-01-MAT-PROD-02: Advanced manufacturing for key products (IA) (Made in Europe partnership)
- HORIZON-CL4-2027-02-MAT-PROD-32 two-stage: RIA Efficient energy input from renewable sources and energy management in the process industries (IA) (Processes4Planet and Innovative Advanced Materials for the EU partnerships)

Reach out to [ahmed.elmarakbi@outlook.com](mailto:ahmed.elmarakbi@outlook.com) if your expertise is in-line with the objectives of the calls listed.