

Graphene Week Matchmaking Profiles: Digital, AI and emerging technology (Cluster 4, Horizontal Activities)

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 registration details are listed below.

Participant	Affiliation	Country	Participation interest
Anna Andersson	ABB	Sweden	I am curious about relevant EU funding opportunities
Ivana Cavaliere	ICFO	Spain	N/A
Rasmiya Shirin Chemban	University of Chemistry and Technology, Prague	Czech Republic	I am curious about relevant EU funding opportunities
Saroj Dash	Chalmers University of Technology	Sweden	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
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
Marlene Faria	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
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
Michael Gibney	Royce Institute Catalyst Programme	United Kingdom	I am curious about relevant EU funding opportunities
Samuel Lara-Avila	Chalmers University of Technology	Sweden	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

Participant	Affiliation	Country	Participation interest
Yukun Lian	TU Delft	Netherlands	I am curious about relevant EU funding opportunities
Eduardo Marques	Faculty of Sciences - University of Porto	Portugal	I would like to promote my expertise and find collaborators; I am curious about relevant EU funding opportunities
Kalaiarasan Meganathan	Univestity of Chemistry and Technology, Prague	Czech Republic	N/A
Šarūnas Meškinis	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
Abbas Mohtashami	TNO	Netherlands	I would like to promote my expertise and find collaborators
Elena Molokanova	University of California Irvine / NeurANO	US	I would like to promote my expertise and find collaborators; I am curious about relevant EU funding opportunities
Ana Claudia Nioac de Salles	Fraunhofer Institute for Chemical Technology ICT	Germany	I am curious about relevant EU funding opportunities
Andreia Oliveira	Graphenest	Portugal	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
Sofia Oliveira	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
Jörg Radnik	Federal Institute for Material Research and Testing (BAM)	Germany	I would like to promote my expertise and find collaborators
Maite Riano Junquera	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
Manuel Santos	FCT	Portugal	I would like to join a project proposal as a partner
Daniel Steinmeyer	Volkswagen AG	Germany	N/A
Tomoko Yokaichiya	Fritz-Haber-Institut der MPG, Berlin	Germany	I would like to promote my expertise and find collaborators; I am curious about relevant EU funding opportunities

Detailed statements

1. Inge Asselberghs, imec

Country of residence	Belgium
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
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.

2. Maria Camarena, Delft University of Technology

Country of residence	España
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• I would like to promote my expertise and find collaborators • I am curious about relevant EU funding opportunities

Statement of interest

We work with transfer-free, multilayer graphene and other 2D materials to create next generation sensors and neural interfaces. We look for potential collaboration that enables the integration of 2D materials at a wafer scale for next generation devices.

3. Davide Campi, University of Milano-Bicocca

Country of residence	Italy
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• I would like to join a project proposal as a partner

Statement of interest

I work in the field of high-throughput computational screenings for low dimensional materials including discovery of new materials, design of screening funnels for desired properties, computational characterization of materials. I'm looking for partners interested in the efficient exploration of complex materials properties in a vast material space.

4. Alexandre Carvalho, i3N / University of Aveiro

Country of residence	Portugal
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• I would like to promote my expertise and find collaborators • 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 side (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	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
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. Roberta Fabbri, Institute for Organic Synthesis and Photoreactivity (ISOF)-National Research Council of Italy (CNR)

Country of residence	Italy
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• I would like to promote my expertise and find collaborators • I am curious about relevant EU funding opportunities

Statement of interest

Our research group at ISOF-CNR focuses on the development and validation of graphene-based materials and devices enabling the communication with neural cells. We are interested in collaborations that bring together complementary expertise to advance our understanding of the fundamental mechanisms underlying the nervous system function and dysfunction, while driving innovative bioelectronic technologies for the study and treatment of neurological disorders.

7. Amir Ghiami, Oxford Instruments Plasma Technology

Country of residence	Germany
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• I would like to join a project proposal as a partner • I would like to promote my expertise and find collaborators

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.

8. Joana Guerreiro, IPLEXMED, Lda

Country of residence	Portugal
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• 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

Statement of interest

IPLEXMED is developing a portable, graphene-based diagnostic platform for rapid, multiplex detection of respiratory pathogens and antimicrobial resistance markers at the point of care. Our technology support faster clinical decision-making in settings such as emergency care, respiratory disease management and decentralised diagnostics.

We are looking to connect with European partners interested in building collaborative projects around graphene biosensors with multiplex capacity, point-of-care diagnostics, clinical validation, data analysis, and scalable manufacturing of 2D-material-based medical devices.

IPLEXMED can contribute expertise in graphene-based biosensing, pathogen detection, assay development, clinical feasibility testing, and medical device translation. We are particularly interested in consortia targeting Horizon Europe Health calls related to diagnostics, personalised medicine and digital health, as well as Eurostars/Eureka and other European funding opportunities supporting deep-tech medical diagnostics.

We are open to partnerships with research institutes, hospitals, SMEs, industrial partners and organisations with complementary expertise in 2D materials microfabrication and scalable manufacturing.

9. Daniil Karnaushenko, Research Center MAIN TU Chemnitz

Country of residence	Germany
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• I would like to join a project proposal as a partner

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.

10. Adam Kelly, Universidade NOVA de Lisboa

Country of residence	Portugal
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• I would like to join a project proposal as a partner • I would like to promote my expertise and find collaborators

Statement of interest

PI at CENIMAT specializing in solution-processed nanomaterials (LPE/ECE) for high-performance electronics. My core expertise lies in optimising network electrical/structural behaviors to engineer thin films. Additionally, I created a methodology for identifying strategic advanced materials. Seeking to join active consortia or launch new projects.

11. Olaf Kievit, TNO

Country of residence	Netherlands
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• I would like to join a project proposal as a partner • I am curious about relevant EU funding opportunities

Statement of interest

TNO (Netherlands Organisation for Applied Scientific Research) hosts a Quantum Sensing Testbed, with instruments based on Nitrogen Vacancy (NV) centres in diamond. These NV centres are defects in the diamond lattice sensitive to magnetic fields, currents, rotation and temperatures.

TNO employs the Testbed to test and develop quantum sensing solutions with partners and end users. The suite of state-of-the-art quantum sensors allows for a fast assessment of use case feasibility and it offers an excellent starting point for the development of tailored solutions. One of our top priority use cases is the characterisation of 2D-materials, measuring properties like defectivity, conductivity, charge mobility and temperature.

12. Eva Kovacevic, GREMI CNRS&University of Orleans

Country of residence	France
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• 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 and find collaborators • I am curious about relevant EU funding opportunities

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, MoS₂, Graphene, polymers, their functionalisation and doping, functionalized surfaces with switchable wettability. We worked on supercapacitors, biosensors, CO₂, CH₄ conversion towards materials, C₂H₂ 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

13. Jitender Kumar, TACC Limited

Country of residence	INDIA
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• 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 and find collaborators • I am curious about relevant EU funding opportunities

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.

14. Paulo Lage, AIRBUS

Country of residence	United Kingdom
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• I would like to coordinate a project proposal and am looking for partners

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.

15. Maria Martins, Citeve

Country of residence	Portugal
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• 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 and find collaborators • 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.

16. Hudson Miranda, FabNS

Country of residence	Brazil
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
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.

17. Dmitry Polyushkin, TU Wien

Country of residence	Austria
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• I would like to promote my expertise to find collaborators, I am curious about relevant EU funding opportunities

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.

18. 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	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• 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

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

19. Sarah Riazimehr, Oxford Instruments Plasma Technology

Country of residence	Germany
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• I would like to join a project proposal as a partner, I would like to promote my expertise to find collaborators, I am curious about relevant EU funding opportunities

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.

20. Irek Roslon, SoundCell

Country of residence	Netherlands
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• 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

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.

21. Andreas Sandin, Silex Microsystems

Country of residence	Sweden
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• I would like to promote my expertise and find collaborators

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.

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

Country of residence	Portugal
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• 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, 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.

23. Abhay Shivayogimath, 2D ApS

Country of residence	Denmark
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• 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

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, CO₂ 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.

24. Harriet van der Vliet, Oxford Instruments Plasma Technology

Country of residence	United Kingdom
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• 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

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.

25. Ivan Jesus Vera Marun, The University of Manchester

Country of residence	United Kingdom
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• 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

Statement of interest

Dr Ivan J. Vera-Marun (University of Manchester, UK National Graphene Institute) is seeking partners for future Horizon Europe initiatives exploiting graphene and 2D-material heterostructures for spintronic, quantum and energy-efficient technologies. His group specialises in spin transport and spin dynamics, graphene/TMD heterostructures, 2D magnets, spin-charge interconversion, and advanced nanoelectronic device fabrication and characterisation. Interested in building consortia spanning materials development, modelling, scalable manufacturing, sensing and emerging computing concepts, with the goal of translating fundamental discoveries in 2D materials into impactful technologies.

26. Gerard VERBIEST, TU Delft

Country of residence	Netherlands
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• 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

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.

27. Ioana Carmen Vladu, RHP-Technology GmbH

Country of residence	Austria
Topics / calls of interest	• Digital, AI and emerging technology (Cluster 4, Horizontal Activities)
Participation interest	• 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

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.

28. 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-CL4-2027-05-DIGITAL-EMERGING-03- Advanced integrated photonic devices for extended features and ultra-low power consumption (RIA) (Photonics Partnership)
- HORIZON-RAISE-2027-01-01: Automated Scientific Discovery (RAISE pilot) (RIA)

Reach out to ahmed.elmarakbi@outlook.com if your expertise is in-line with the objectives of the calls listed.