

CONNECT-NM

Kick-off meeting agenda

Dates: 2-4 October 2024

Venue: Auditorium of CIEMAT, Avda.
Complutense 40, Madrid, Spain

Day 1: 2 October 2024

8:30 - 9:15 Arrival through the main entrance (Badge delivery - please be there early as this process requires ID verification)

Morning session		Introduction and partnerships	Chair: Marta Serrano
9:15 - 9:30	Yolanda Benito , director of CIEMAT	CONNECT-NM - Introduction from CIEMAT	
9:30 - 9:45	Domènec Espriu or Joaquín Serrano, Spanish Research Agency	CONNECT-NM in the Spanish research landscape (provisional)	
9:45 - 10:00	Carlos Hidalgo , director of the National Fusion Laboratory	Materials research and validation strategies to bring fusion energy for society	
10:00 - 10:30	Mykola Dzubinski , EC - DG RTD - Euratom unit	CONNECT-NM – kick-off meeting	
10:30 - 11:00	*Guilherme Cardoso , NuclearEurope	Nuclear Energy in Europe in 2024	
11:00 - 11:30	Break		
11:30 - 11:50	Jean-Christophe Gariel , IRSN – coord. PIANOFORTE	The PIANOFORTE partnership on radiation protection research	
11:50 - 12:10	*Louise Theodon , Andra – coord. EURAD2	European Joint Programme on Radioactive Waste Management: key achievements and challenges	
12:10 - 12:30	*Ambrogio Fasoli , Eurofusion	EUROfusion status and perspectives	
12:30 - 13:00	Lorenzo Malerba , CIEMAT	CONNECT-NM: Co-funded European Partnership on Nuclear Materials	
13:00 - 14:30	Lunch		
Afternoon session		Stakeholders	Chair: Lorenzo Malerba
14:30 - 15:00	*Jerôme Gavillet , CEA	Innovative Advanced Materials partnership (IAM4EU)	
15:00 - 15:30	Per Seltborg , SSM – Regulators' point of view	The regulator's point of view	
15:30 - 16:00	Charles Toulemonde , EDF – coord. OFFERR	OFFERR, a European project to mutualize nuclear experimental infrastructures in Europe	
16:00 - 16:30	Break		
16:30 - 17:00	*Alice Dufresne and Michelle Bales , NEA	Interactions between CONNECT-NM and NEA (provisional)	

17:00 - 17:30	Helge Stein , TUM	Engineering of Science (the BIGMAP project)
17:30 - 18:00	*Meimei Li , ANL – AMMT DOE Nucl. Energy Project	U.S. Department of Energy Office of Nuclear Energy Advanced Materials and Manufacturing Technologies (AMMT) Program
18:00	End of day	

Day 2: 3 October 2024

8:45 - 9:00 Arrival

Morning session

Research Lines

9:00 - 10:30

RL3: Materials & component qualification: testing, standardisation & design rules – chair: Massimo Angiolini

9:00 - 9:30	Xavier Borrás , I-TRIBOMAT GmbH: The European Tribology Centre	Setting up the European Tribology Centre
9:30 - 10:00	Daive Pizzocri , Polimi, and Marjorie Bertolus , CEA	Towards accelerated qualification of nuclear fuel
10:00 - 10:30	Massimo Angiolini , ENEA - Research Line Leader	Materials & component qualification: testing, standardisation & design rules in CONNECT-NM

10:30 - 11:00

Break

11:00 - 12:30

RL4: Non-destructive examination & materials health monitoring – chair: Madalina Rabung

11:00 - 11:30	Andreas Schumm , EDF	NDE on nuclear materials – an industry perspective
11:30 - 12:00	*Bastien Poubeau , IRSN	Euratom project FIND: Structural Health Monitoring, Digital Twins and other advanced instrumentations to prevent and mitigate accidents in existing nuclear reactors
12:00 - 12:30	Madalina Rabung , Fraunhofer IZFP – Research Line Leader	Non-destructive examination & materials health monitoring in CONNECT-NM

12:30 - 14:00

Lunch

Afternoon session

Research Lines

14:00 - 15:30

RL2: Advanced materials development and manufacturing – chair: Marialuisa Gentile

14:00 - 14:30	Özlem Özcan , BAM	State-of-the-art in MAP development: Best practices for application to materials in nuclear applications
14:30 - 15:00	Saco Nakamae , CEA – Coord. EU-MACE	COST Action EU-MACE: European Materials Acceleration Centre for Energy
15:00 - 15:30	Marialuisa Gentile , Newcleo - Research Line Leader	Advanced materials development and manufacturing in CONNECT-NM

15:30 - 16:00

Break

16:00 - 17:30

RL5: Advanced materials modelling and characterization – chair: Maria Oksa

16:00 - 16:30	Grace Burke , INL, P. Em. Manchester University	The Critical Role of Advanced Microstructural Characterization in Understanding and Modeling Materials Performance
16:30 - 17:00	*Laurent Béland , Queen's University Kingston, Canada	Machine learning and nuclear materials: progress, opportunities, challenges
17:00 - 17:30	Maria Oksa , VTT – Research Line Leader	Advanced materials modelling and characterization in CONNECT NM
17:30	End of day	

Day 3: 4 October 2024

8:45 - 9:00 Arrival

Morning session 1 Research Lines

9:00 - 10:30

RL5: Nuclear materials knowledge & data management – **chair: Michał Pecelerowicz**

9:00 - 9:30	Gerhard Goldbeck , Goldbeck Consulting Ltd., on EMMC	EMMC - European community activities in materials modelling, digitalisation, interoperability and data standards
9:30 - 10:00	*Costas A. Charitidis and Theodoros Tsatsoulis , Nat. Tech. U. Athens	EMCC - European Materials Characterisation Council
10:00 - 10:30	Emanuele Ghedini , UniBo, Research Line Advisor, and Michał Pecelerowicz , NCBJ, Research Line Leader	Nuclear materials knowledge & data management in CONNECT NM
10:30 - 11:00	Break	

Morning session 2 Role of Platforms Chair: Lorenzo Malerba

11:00 - 11:30	Ivan Matejak , EERA	Role of EERA and potential of future collaboration
11:30 - 12:00	Gabriel Pavel , ENEN	ENEN: what it is and how it can contribute to the project
12:00 - 12:30	TBD – SNETP representative	
12:30 - 13:30	Lunch	

Afternoon session Transversal activities and organisation of calls Chair: Marta Serrano

13:30 - 14:00	Marjorie Bertolus , CEA	WP2: Education, training and access to infrastructure
14:00 - 14:30	Maria Luisa Fernández Vanoni , EERA	WP3: Communication, dissemination and result exploitation
14:30 - 15:00	Lorenzo Malerba , CIEMAT	WP1: Coordination and daily management, call organisation
15:00 - 15:30	All	Wrap up, discussion and closure
15:30	End of meeting	



Bastien Poubeau

Institut de Radioprotection et de Sûreté Nucléaire

Engineer of École Polytechnique (France) and Ecole Nationale Supérieure des Mines de Paris. He started his career at the Autorité de Sûreté Nucléaire (French nuclear regulator) as head of the Paris regional office, before taking a position as chief of staff of the Director General.

He then moved to the directorate of nuclear safety research at the Institut de Radioprotection et de Sûreté Nucléaire (French technical support organisation). His activities include the promotion of data science in research, and the coordination of the Euratom projects ASSAS (Artificial intelligence for the Simulation of Severe AccidentS) and FIND (Future instrumentation and control based on innovative methods and disruptive technologies for higher safety levels).



Laurent Karim Béland

Queen's University, Canada

L.K. Béland is an associate professor at Queen's University, which he joined in 2018. He's a computational materials scientist, with a special focus on nuclear materials. His interest include both methods development and their application. Work in this group includes study of materials using density functional theory, development of machine-learning potential, molecular dynamics simulations, accelerated dynamics simulations—including adaptive, on-lattice and object kinetic Monte Carlo—coarse-grain dynamics, and mean-field rate theory.

Topics of interest include studying the structure and thermodynamics of alloys, defect kinetics, order-disorder transitions, primary damage production, transport in porous media, macroscale fracture mechanics, environmental degradation, and computer vision. His research team is currently composed of 14 graduate students and postdoctoral fellows. He has (co-)authored over 80 peer-reviewed articles on this topic, cited over 2,900 times.

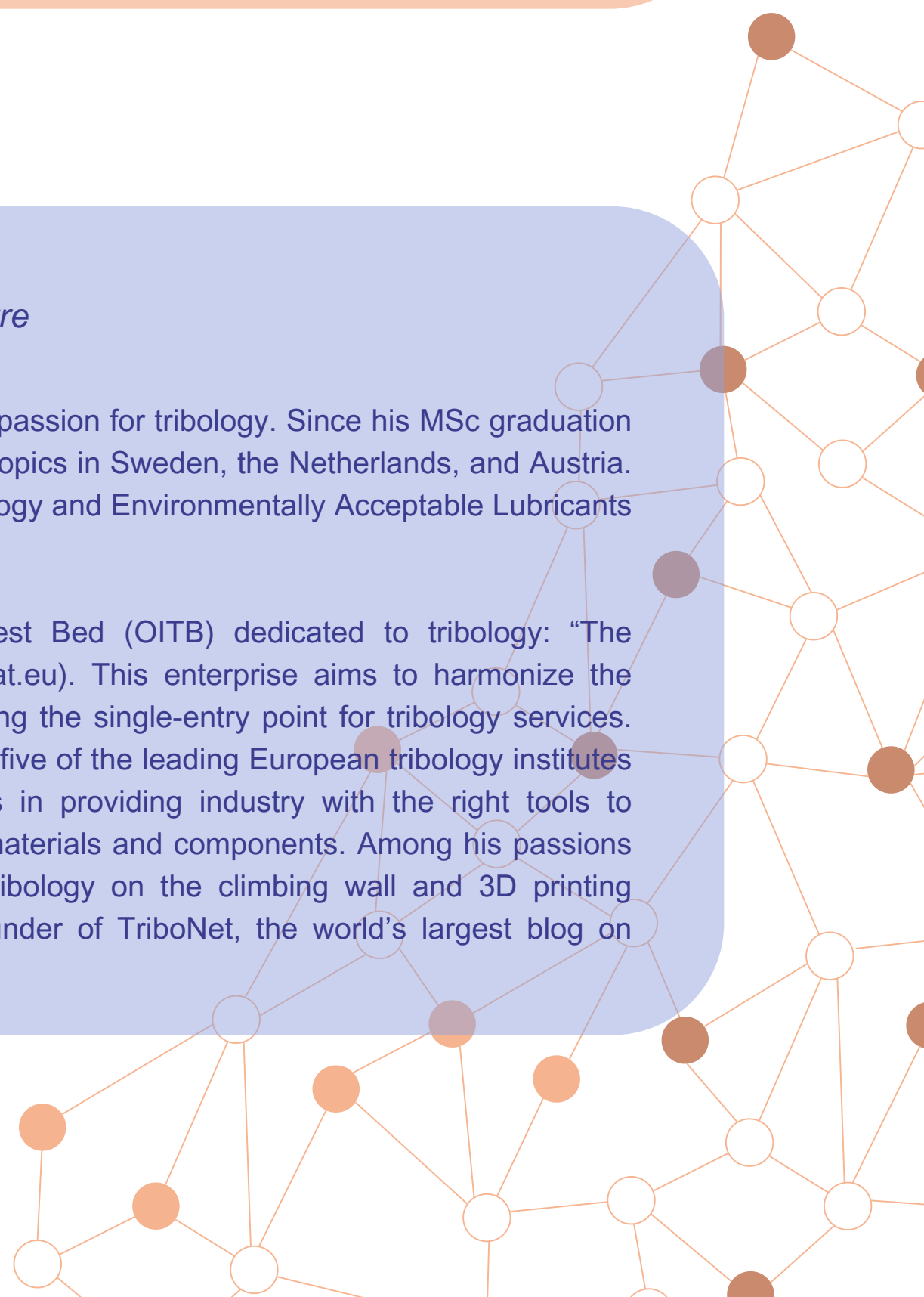


Xavier Borrás

i-TRIBOMAT: European Tribology Centre

Xavier Borrás is an Industrial Engineer with passion for tribology. Since his MSc graduation in 2012, he has worked in tribology-related topics in Sweden, the Netherlands, and Austria. His PhD Thesis focused on Sealing Technology and Environmentally Acceptable Lubricants for the marine industry.

Xavier works for the Open Innovation Test Bed (OITB) dedicated to tribology: "The European Tribology Centre" (www.i-tribomat.eu). This enterprise aims to harmonize the tribology practices in Europe, while becoming the single-entry point for tribology services. The European Tribology Centre counts with five of the leading European tribology institutes as service providers. Xavier's job consists in providing industry with the right tools to minimize the time-to-market of their novel materials and components. Among his passions there is a special place for testing skin tribology on the climbing wall and 3D printing mechanical components. He is also co-founder of TriboNet, the world's largest blog on tribology (<https://www.tribonet.org/>).





Gerhard Goldbeck
EMMC ASBL

Dr Gerhard Goldbeck has forty years of experience in condensed matter and materials modelling, characterisation, software development, product management and marketing. In 2011 he formed Goldbeck Consulting Ltd, offering services focused on industrial impact.

Gerhard has been involved with the EMMC since its beginning in 2014, as a member of the Organisational Management Board and during the EMMC-CSA also as leader of the Work Package on Interoperability. He is one of the founders of EMMC ASBL and holds the role of Executive Secretary.



Meimei Li
Argonne National Laboratory

Meimei Li is a materials scientist in the Nuclear Science and Engineering Division, Argonne National Laboratory. She is the National Technical Director (NTD) for the DOE Office of Nuclear Energy Advanced Materials and Manufacturing Technologies (AMMT) program. She has broad research experience including radiation damage, corrosion, alloy development, testing, characterization and qualification, and additive manufacturing in support of a broad range of nuclear reactor technologies.

Prior to joining the ANL, she worked at the Materials Science and Technology Division at the Oak Ridge National Laboratory. She earned her PhD and M.S. in Nuclear Engineering at the University of Illinois at Urbana-Champaign and B.S. in Materials Science and Engineering at Shanghai Jiao-Tong University, China. She received a 2012 Presidential Early Career Award for Scientists and Engineers (PECASE). She has authored and co-authored over 200 peer-reviewed journals, book chapters, conference proceedings, and technical reports.



Per Seltborg
SSM

Research director at SSM since 2019.
Background in core and fuel analyses at Westinghouse and a PhD in reactor physics at KTH.





Lorenzo Malerba
CIEMAT

Lorenzo Malerba holds an MSc in Nuclear Engineering from Politecnico di Milano and a PhD in Industrial Engineering from Universidad Politécnica de Madrid, in both cases specialising in nuclear materials. After working for 18 years at the Belgian Nuclear Research Centre, SCK•CEN, where he created and led a group of structural materials modelling and microstructure, since 2018, he has become a Research Professor at CIEMAT. Since 2014, he has coordinated the Joint Programme on Nuclear Materials of the European Energy Research Alliance (EERA JPNM). He recently also coordinated the Euratom-funded projects M4F (Multiscale Modelling for Fusion and Fission materials) and ORIENT-NM (Organisation of the European Research Community on Nuclear Materials). Since 1st October 2024, he coordinates CONNECT-NM (Coordination of the European Research Community on Nuclear Materials for Energy Innovation), the Co-funded European Partnership on nuclear materials, which will last for five years. He authored or co-authored about 150 peer-reviewed articles and 50 proceeding papers, summing up an H-Index of 53 according to Google Scholar.



Louise Théodon
Andra

After having graduated from a Master's degree in European project management, Louise Théodon started working as European and investments grants policy officer in a French local authority. She worked for 5 years as National, European and International Projects Manager at a private non-profit RTO where she was in charge of the setup and negotiation of all kind of projects: B to B with industries, European projects and national projects.

Since 2020, she is the Coordinator of the European Joint Programme on Radioactive Waste Management (EURAD) at Andra, the French Waste Management Organisation.



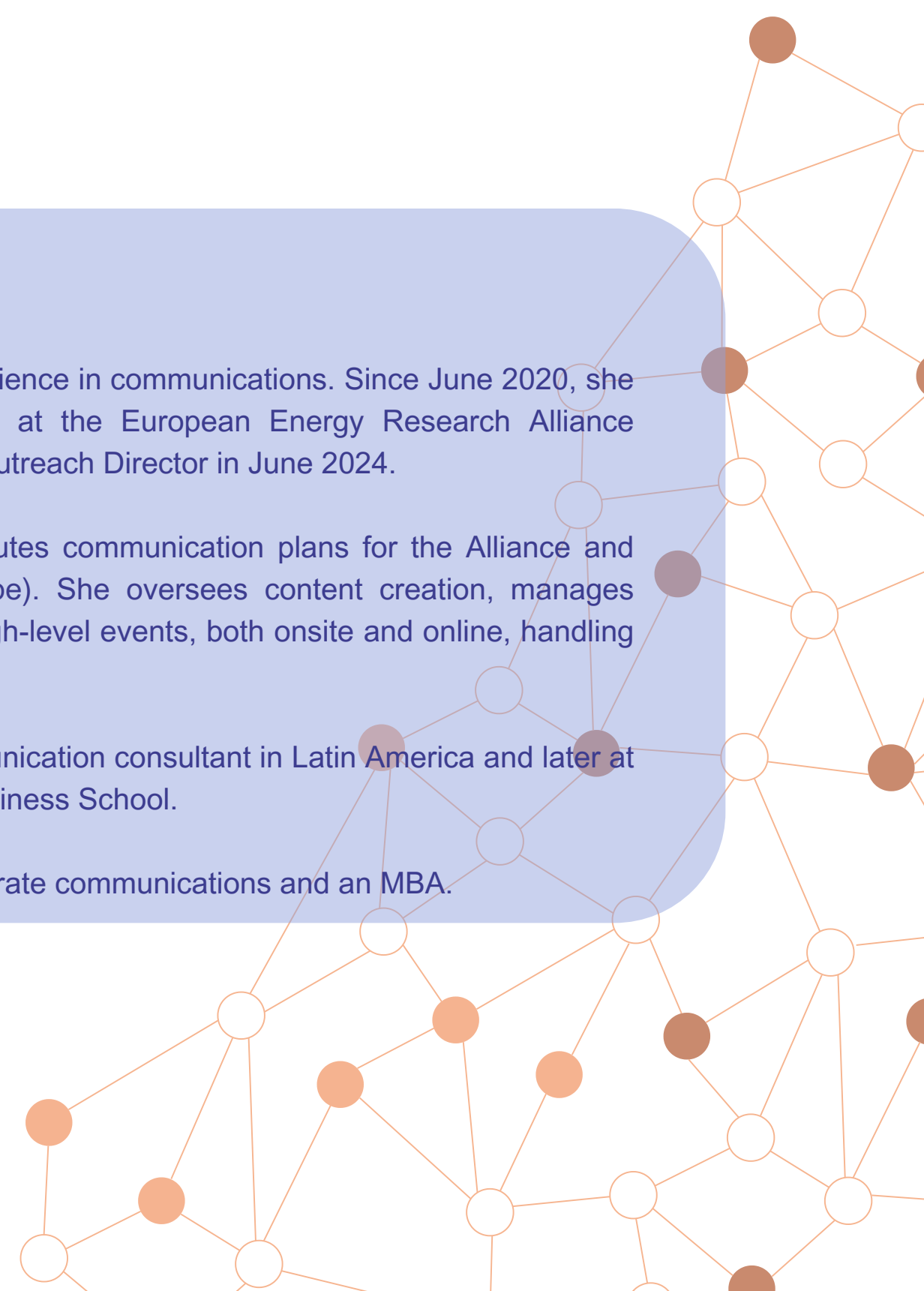
M. Luisa Fernandez Vanoni
EERA

M. Luisa has 13 years of professional experience in communications. Since June 2020, she has served as Communications Manager at the European Energy Research Alliance (EERA), advancing to Communications & Outreach Director in June 2024.

At EERA, Maria Luisa develops and executes communication plans for the Alliance and European projects (H2020, Horizon Europe). She oversees content creation, manages communication channels, and organizes high-level events, both onsite and online, handling content, speakers, and logistics.

Previously, Maria Luisa worked as a communication consultant in Latin America and later at the Vlerick Energy Centre within Vlerick Business School.

She holds a post-graduate diploma in corporate communications and an MBA.



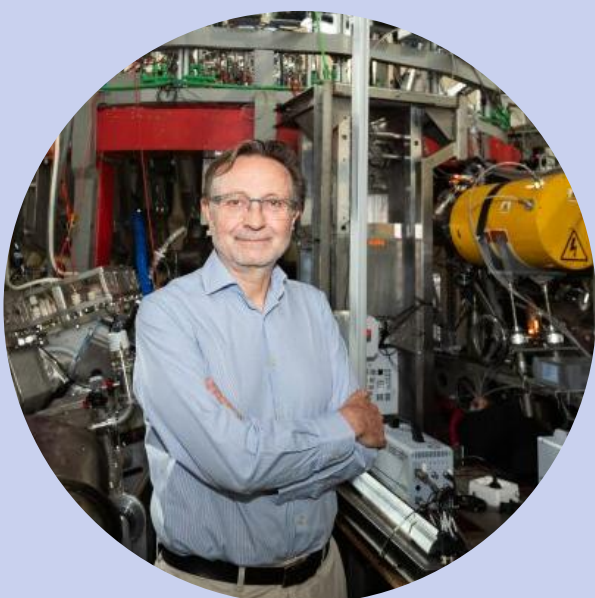
CONNECT-NM

Kick-off meeting speakers



Yolanda Benito
CIEMAT

Dra. Yolanda Benito obtained a degree in Chemical Sciences, PhD in Chemical Sciences, and Master's Degree in Leadership and Public Management from the Menendez Pelayo International University. She is the General Director of CIEMAT since May 2022. Previously, she was Deputy General Director for environment at the CIEMAT (2012-2022) and Head of Unit at Public Private Partnerships (2008-2012) at the Ministry of Science and Innovation. The main highlights during this period include design and implementation of instruments to strengthen research and innovation for Public-Private Cooperation, to develop the innovative public procurement and to coordinate R&I activities with regional governments. Initially, she was working at CIEMAT becoming chief of the Unit of Energy and Environmental technologies. She was involved in International and National R&D+i projects on a wide range of applications and technologies related with the energy and environment. She is a member of European and National Scientific Committee and Alliances, author of chapters of books, papers in scientific journals, and she has a wide participation in national and international congresses.



Carlos Hidalgo
National Fusion Laboratory - CIEMAT

Carlos Hidalgo received his PhD degree from Madrid Complutense University with his work on structural defects in solids and positron annihilation spectroscopy. His next area of research was related to plasma turbulence and transport at CIEMAT where he is currently leading the Spanish National Fusion Laboratory.

He has worked in different international laboratories, initially as PhD student [Technical University of Denmark, Nuclear Research Centre of Grenoble, Technical University of Helsinki] and later as visiting scientist [University of Austin (US), Oak Ridge National Laboratory (US), JET (UK), Max Planck Institute (Germany), National Institute Fusion Studies (Japan), Southwestern Institute of Physics (SWIP, China)].

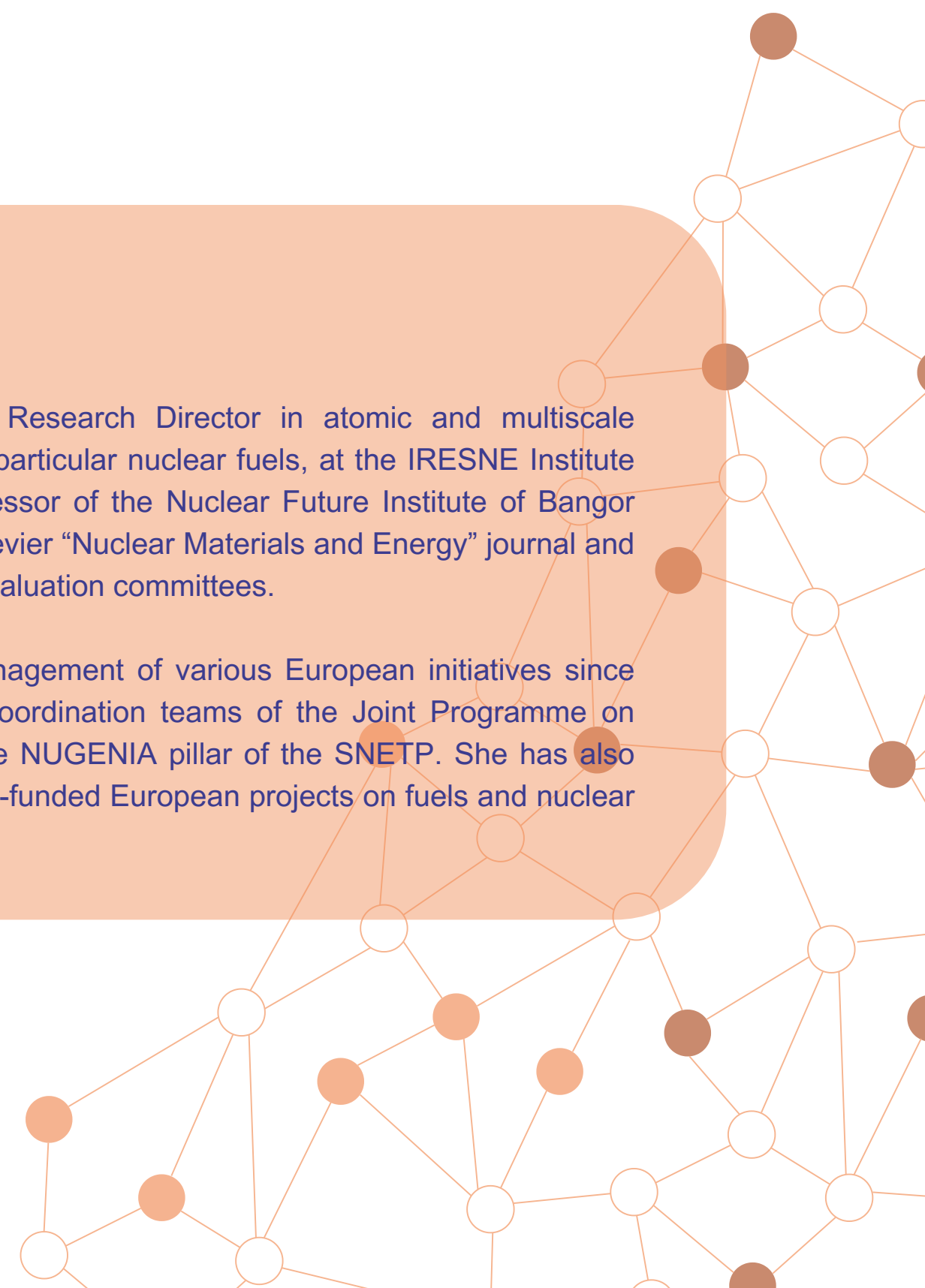
He has chaired the Plasma Physics Division and the Forum on Physics and Society of the European Physical Society.



Marjorie Bertolus
CEA

Marjorie Bertolus is a CEA Fellow and Research Director in atomic and multiscale modelling of materials under irradiation, in particular nuclear fuels, at the IRESNE Institute of CEA Cadarache. She is Honorary Professor of the Nuclear Future Institute of Bangor University (UK), co-editor in chief of the Elsevier "Nuclear Materials and Energy" journal and member of several international research evaluation committees.

She has been actively involved in the management of various European initiatives since 2007, in which she is a member of the coordination teams of the Joint Programme on Nuclear Materials (EERA-JPNM) and of the NUGENIA pillar of the SNETP. She has also contributed to the coordination of several co-funded European projects on fuels and nuclear materials.





M. Grace Burke

Idaho National Laboratory and University of Manchester (Emeritus)

Grace Burke is currently a Laboratory Fellow at Idaho National Laboratory (USA) and an Emeritus Professor at the University of Manchester, where she was also the Director of the Materials Performance Centre (2011-2021) and Director of the Electron Microscopy Centre (2012-2016).

She is a physical metallurgist whose research has focused on the role of microstructure in the environment-sensitive degradation including irradiation damage of materials in nuclear power systems with emphasis on advanced microstructural characterization. Her experience also includes ~30 years in industry-related (US Steel, Westinghouse/Bettis) R&D. Grace received her PhD in Metallurgy from Imperial College/U. London, has received numerous awards, and was also President of the Microscopy Society of America and the Royal Microscopical Society (UK).



Sawako Nakamae

CEA

Sawako Nakamae is a CEA-Fellow, Physicist and the head of SPHYNX (Out of Equilibrium Physics, Complexity and Energy) group within the Condensed Matter Physics department of IRAMIS/DRF/CEA.

She is currently serving as Coordinator of the Joint Programme “Advanced Materials and Processes for Energy Applications (AMPEA)” of the European Energy Research Alliance, as well as Action Chair of the COST Action “European Materials Acceleration Center for Energy (EU-MACE)”.

Her personal research focus is on thermoelectric energy conversion in nanofluids and complex fluids for low-grade waste and ambient heat recovery.



Michał Pecelerowicz

National Center For Nuclear Research

Citizenship: Polish

Education:

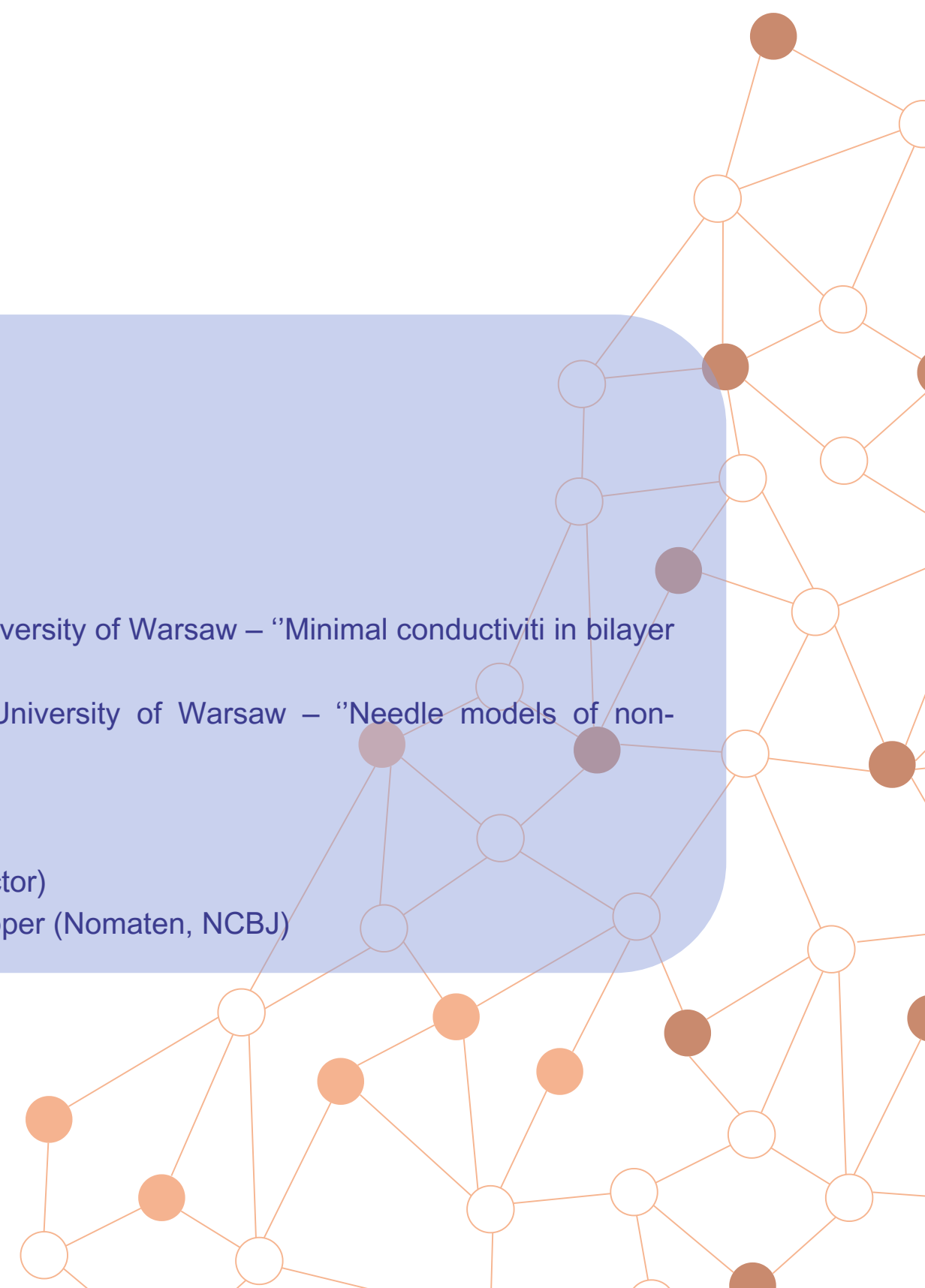
2005-2010: MsC in Theoretical Physics, University of Warsaw – “Minimal conductivity in bilayer graphene”

2011-2017: PhD in Theoretical Physics, University of Warsaw – “Needle models of non-equilibrium growth processes”

Experience:

2018-2021: Software Developer (private sector)

2021-2024: Data Manager, Software Developer (Nomaten, NCBJ)





Charles Toulemonde
EDF

Charles Toulemonde has been a research engineer at EDF R&D since 1997. He was hired at EDF after his thesis.

He has worked in several fields including nuclear fuel mechanics, digital modeling of the aging of nuclear civil engineering structures (cooling towers, containment buildings).

It is as coordinator of the OFFERR project that he is participating in this kick-off meeting.



Davide Pizzocri
Politecnico di Milano

Davide Pizzocri is a researcher in the Nuclear Reactor Group at Politecnico di Milano. His research activities focus on physics-based multi-scale modelling of fuel behaviour, towards the improvement of fuel performance codes and thermomechanical engineering tools. He is the technical lead of the SCIANTIX code, an open source tool for the description of fission gas behaviour widely adopted by several engineering tools.

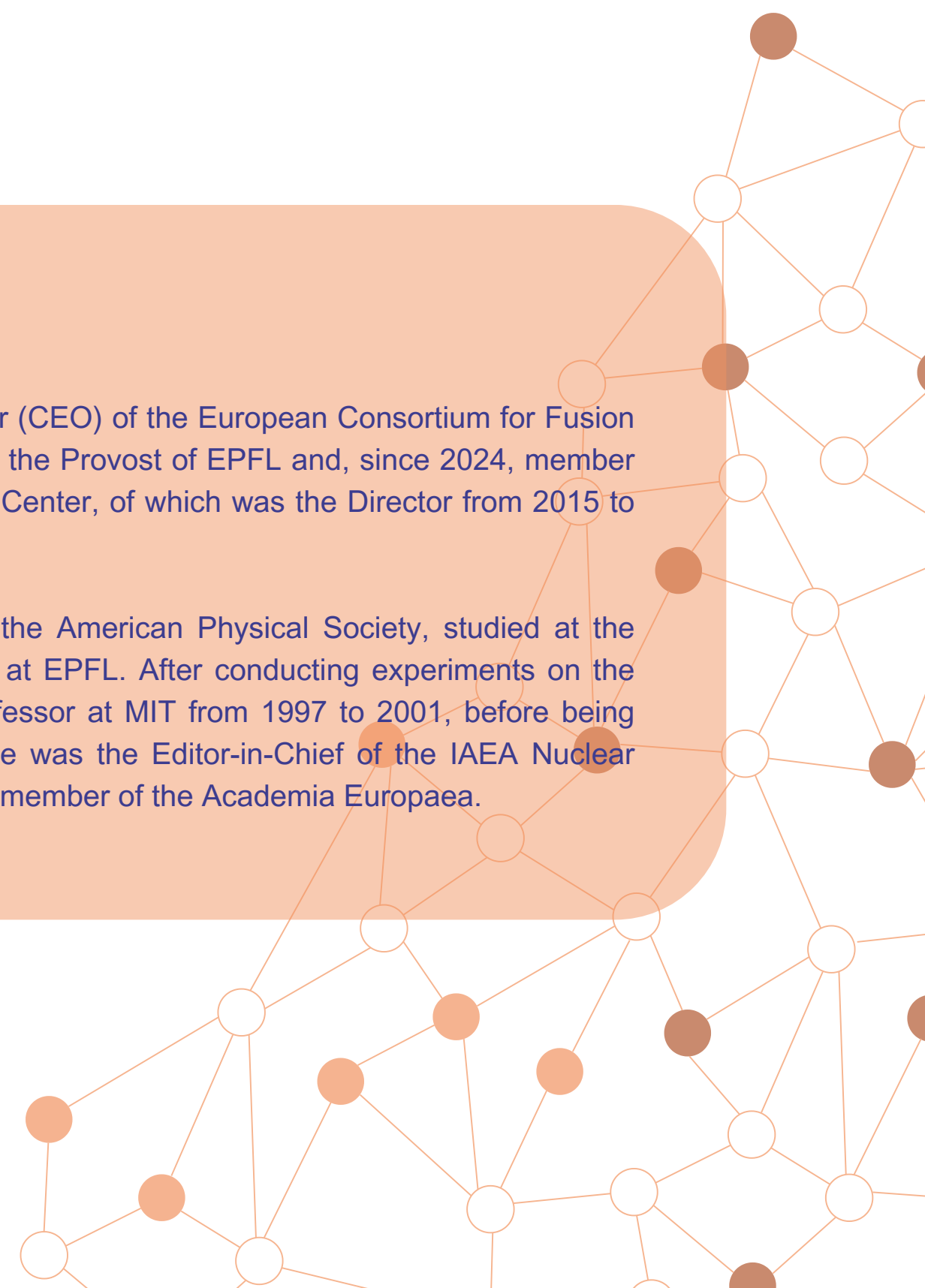
He is involved as work package and task leader in several Euratom projects ranging from fuel behaviour to innovative reactor concepts. He authored 50+ journal papers and tens of contributes to international conferences. He gives lectures in the Nuclear Engineering course at Politecnico di Milano and in international schools (FJOH, ESNMS).



Ambrogio Fasoli
EUROfusion and EPFL

Professor Fasoli is the Programme Manager (CEO) of the European Consortium for Fusion Energy, EUROfusion. He is the Delegate to the Provost of EPFL and, since 2024, member of the Direction of the EPFL Swiss Plasma Center, of which was the Director from 2015 to 2024.

Ambrogio Fasoli, an honorary member of the American Physical Society, studied at the University of Milan and obtained his Ph.D. at EPFL. After conducting experiments on the JET tokamak in the UK, he became a professor at MIT from 1997 to 2001, before being appointed at EPFL. From 2014 to 2020, he was the Editor-in-Chief of the IAEA Nuclear Fusion journal. More recently, he became a member of the Academia Europaea.





Andreas Schumm
EDF

Dr. Andreas Schumm is a research engineer and project manager at EDF R&D's ultrasound laboratory.

He is involved in the computer simulation of NDE techniques, in particular ultrasound and radiography.

Andreas Schumm currently coordinates the Horizon Europe project iWeld on the inspection of welds.



Marialuisa Gentile
newcleo

Dr. Gentile works as a senior materials scientist at newcleo.

She has over 10 years of work experience in advanced materials for Generation IV nuclear reactors.

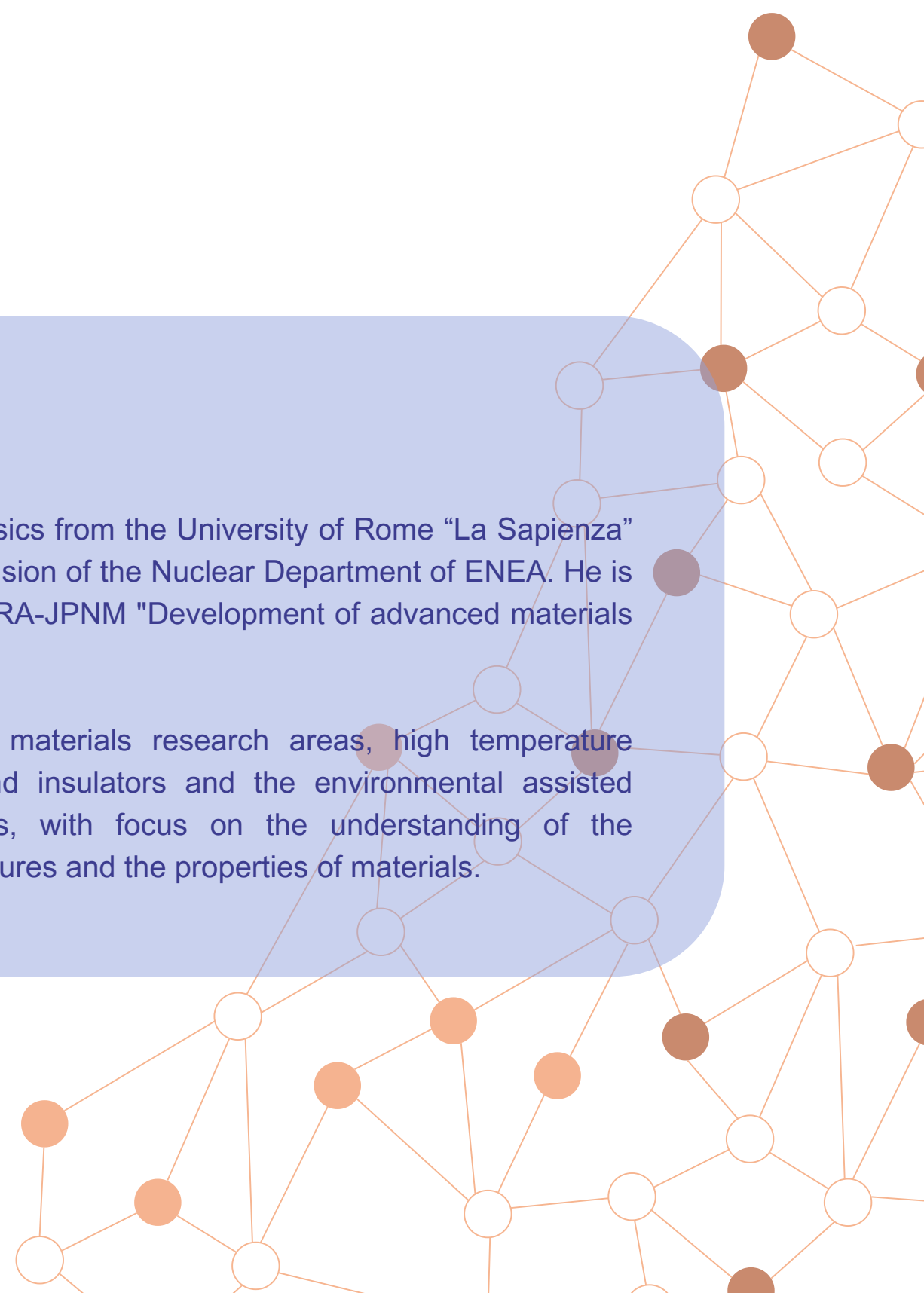
She was part of the Nuclear Fuel Group of the University of Manchester, where she worked on silicon carbide cladding for accident tolerant nuclear fuels (ATF).



Massimo Emilio Angiolini
ENEA

Massimo Emilio Angiolini has a MSc in Physics from the University of Rome "La Sapienza" and currently working in the Engineering division of the Nuclear Department of ENEA. He is Coordinator of the SP-C program of the EERA-JPNM "Development of advanced materials solutions and fabrication processes".

He holds working experience in several materials research areas, high temperature corrosion, radiation damage in metals and insulators and the environmental assisted degradation of the mechanical properties, with focus on the understanding of the relationship between the microstructural features and the properties of materials.





Madalina Rabung

*Fraunhofer Gesellschaft zur Förderung der angewandten Forschung –
Fraunhofer Institute for Nondestructive Testing*

From 1994 – 1999, she studied at the University “Politehnica”, Department of Materials sciences and Basics of the Metallurgy, Bucharest. From 2000 – 2005, she obtained her Ph.D. on “Micromagnetic Detection of Material ageing due to coherent copper precipitates”, University of Saarland and Fraunhofer Institute for Nondestructive Testing in Saarbrücken, Germany. From 2000 – 2022, she was a scientist and project manager at Fraunhofer Association for applied research, Institute for Nondestructive Testing, in which the main topic of the projects was Development of NDE techniques for the reactor safety. Since 2017, she is project lead (incl. coordinator role) of several EU-Projects.. Since 2020, she is Coordinator of the Subprogramme Nondestructive Examination and Materials Healths Monitoring of EERA-JPNM. Since 2022, she is Senior Lead Business Development EU Affairs at Fraunhofer Institute for Nondestructive Testing representing Fraunhofer IZFP in several European partnerships (CSP, IAM4EU) and committees/platforms (EMMC, EERA, SNETP, etc.).



Ivan Matejak

EERA

Ivan Matejak is SET Plan and Strategic Programming Director at the European Energy Research Alliance (EERA). In this capacity, he contributes to developing the Association’s performance goals and long-term strategic plans.

By coordinating more than 250 universities and public research centres in 32 countries, EERA represents a research pillar of the EU’s Strategic Energy Technology Plan (SET Plan). Structured in 18 Joint Research Programmes, covering the whole range of low-carbon technologies and systemic and cross-cutting topics, its mission is to catalyse European energy research for a climate-neutral society by 2050. He holds a PhD in Geopolitics and Geo-economy from the University of Trieste, Italy.

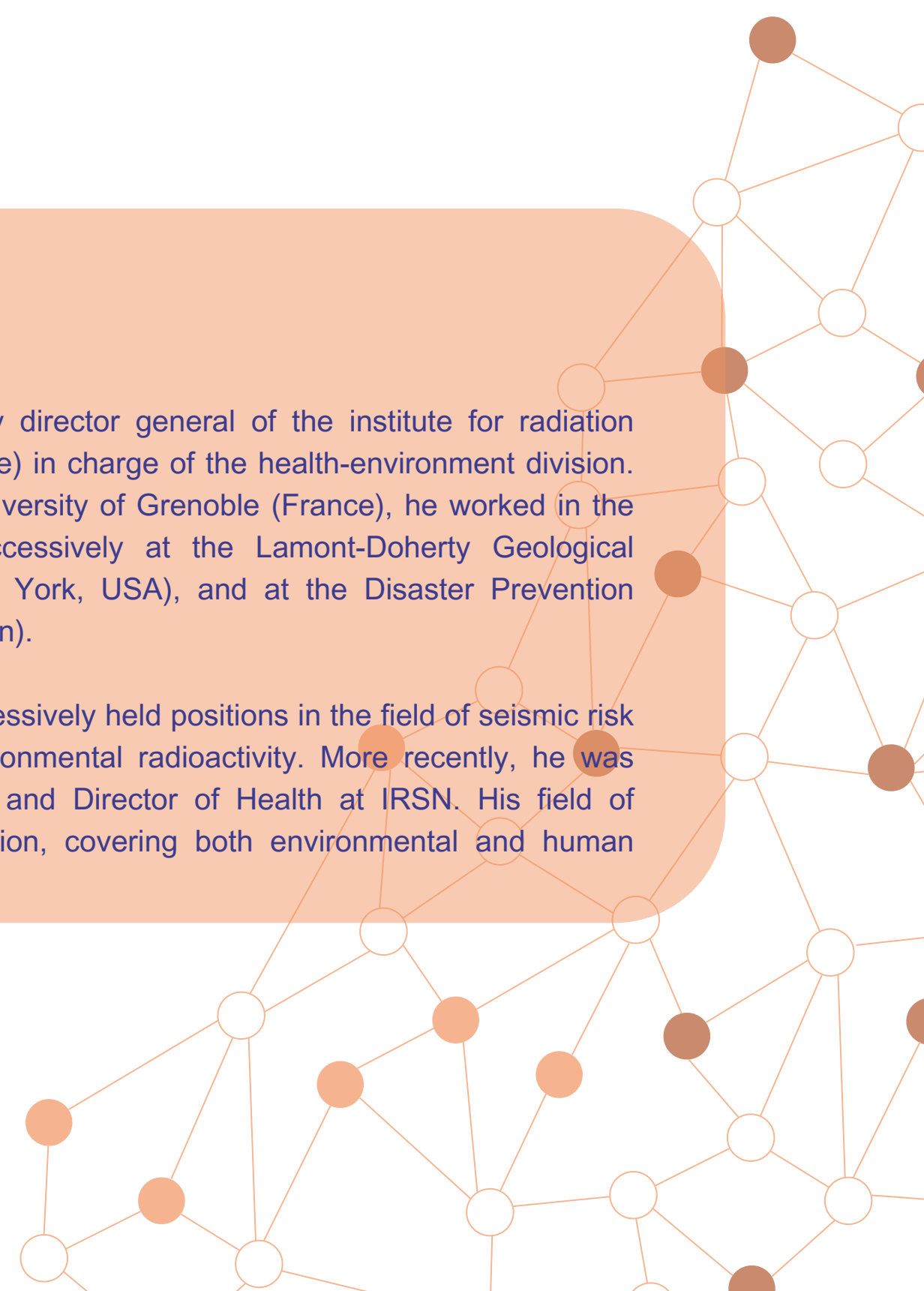


Jean-Christophe Gariel

IRSN

Jean-Christophe Gariel is currently deputy director general of the institute for radiation protection and nuclear safety (IRSN, France) in charge of the health-environment division. After obtaining a PhD in physics at the University of Grenoble (France), he worked in the field of seismic hazard assessment successively at the Lamont-Doherty Geological Observatory of Columbia University (New York, USA), and at the Disaster Prevention Research Institute of Kyoto University (Japan).

In 1990, he joined the IRSN where he successively held positions in the field of seismic risk assessment and then in the field of environmental radioactivity. More recently, he was successively Director of the Environment and Director of Health at IRSN. His field of expertise is centered on radiation protection, covering both environmental and human protection.



Helge Sören Stein

Technical University of Munich



Prof. Dr.-Ing. Helge Sören Stein is a tenured Associate Professor at the Technical University of Munich, affiliated with the Department of Chemistry, Munich Data Science Institute, Munich Institute for Robotic and Machine Intelligence, and Catalysis Research Centre. His expertise lies in materials acceleration platforms, artificial intelligence in chemistry, battery research, and catalysis. Dr. Stein has made significant contributions to the field, notably pioneering the development and deployment of internationally distributed Materials Acceleration Platforms, leading advancements in AI-driven materials discovery and optimization, and actively contributing to the Battery Interface Genome initiative. He is a strong advocate for open science and accessible research tools for the engineering of the scientific process.

Gabriel Lazaro Pavel

European Nuclear Education Network



He is currently working as Executive Director for the European Nuclear Education Network (ENEN) - an organization of over 90 institutions mainly from Europe but with strong connections with international organizations all over the world – and also as an assistant professor at University “Politehnica” of Bucharest department of Nuclear Engineering.

He finished Faculty of Power Engineering in 2004, Nuclear Power Plants Department followed by a Master degree in nuclear engineering. He started working at the University in the same year and also did his PhD in the same period. As teaching activities (courses and/or seminars) the following topics can be mentioned: nuclear engineering, nuclear materials, non-power generating use on nuclear technologies, dosimetry and protection against radiation in Environmental Department -courses offered for Nuclear Engineering Department students.

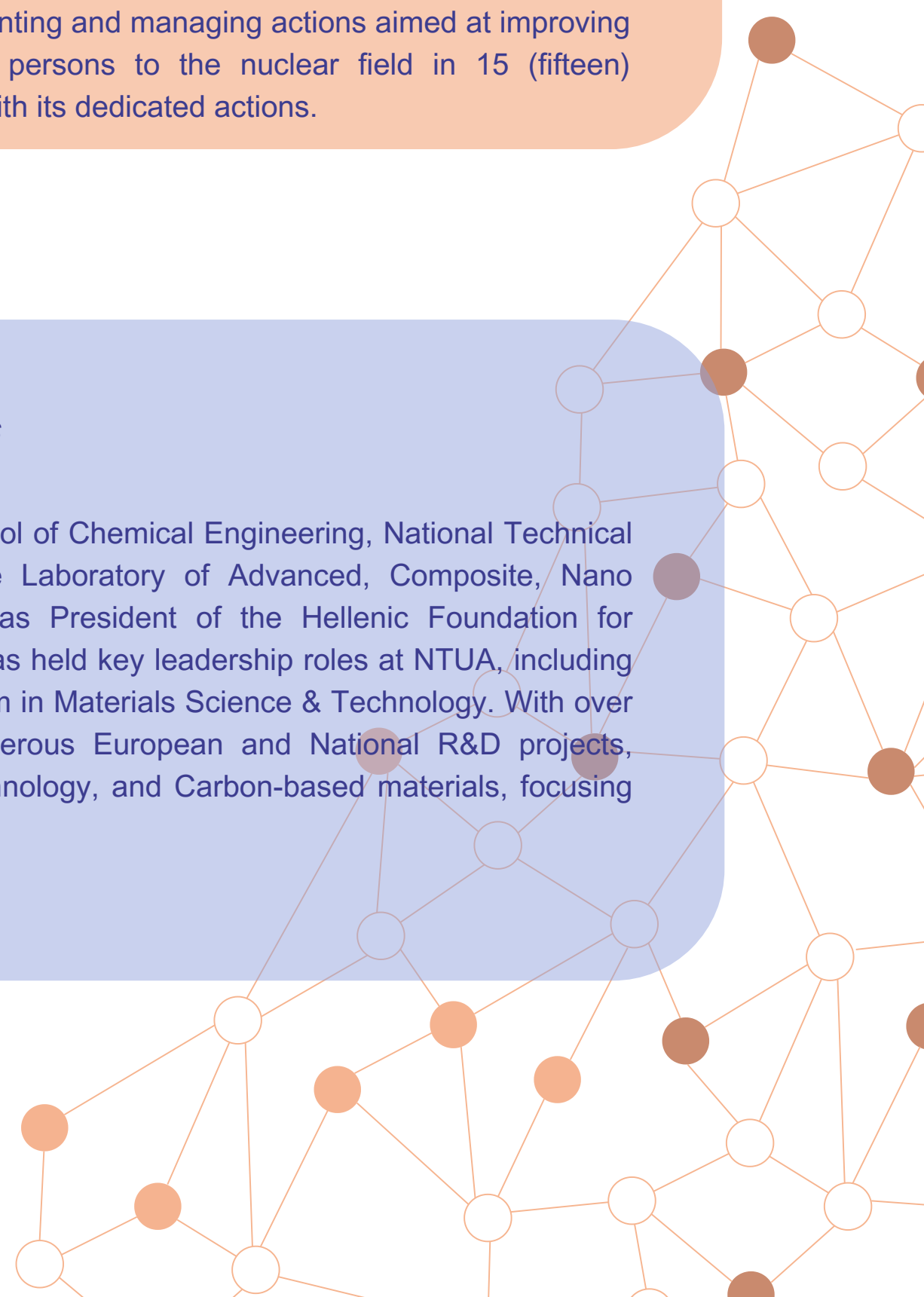
He is directly involved in designing, implementing and managing actions aimed at improving nuclear competences and attracting new persons to the nuclear field in 15 (fifteen) education and training initiatives each one with its dedicated actions.

Costas Charitidis

National Technical University of Athens



Costas Charitidis is a Professor at the School of Chemical Engineering, National Technical University of Athens, and Director of the Laboratory of Advanced, Composite, Nano Materials & Nanotechnology. He serves as President of the Hellenic Foundation for Research and Innovation since 2018 and has held key leadership roles at NTUA, including Director of the Interdisciplinary MSc Program in Materials Science & Technology. With over 25 years of experience, he has led numerous European and National R&D projects, specializing in Materials Science, Nanotechnology, and Carbon-based materials, focusing on the safety impacts of nanotechnology.





Jérôme Gavillet
EMIRI

Jérôme Gavillet graduated from the Institut National des Sciences Appliquées (INSA-Lyon) and earned his PhD in Material Physics and Surface Processing from the École des Mines de Nancy in 1996.

He spent seven years working in microelectronics before joining CEA in 2005, where he focused on Renewable Energy and Nanomaterials. Jérôme is the author of 10 patents and over 40 publications. He has also coordinated two EU Digital Innovation Hub (DIH) projects aimed at promoting the adoption and transformation of Flexible and Wearable Electronics. Since 2022, he is on secondment at EMIRI, where he serves as the spokesperson for the AMI2030 initiative and contributes to the establishment of the IAM4EU partnership.



Joaquín Serrano
Agencia Estatal de Investigación (AEI)

Dr. Joaquín Serrano is a Head of the Subdivision for Horizontal S&T Programmes at the State Research Agency of the Ministry of Science and Innovation. He got his PhD in Chemistry at the Universidad Complutense of Madrid and has research experience in nuclear technology at CIEMAT and in the field of material science at CSIC. He previously acted as Deputy Director of International Projects at the former Ministry of Science and Innovation and had responsibilities in the management of R&I international projects and on management of national research infrastructures and facilities that provide resources and services for research. He has been Spanish representative in different programme committees of Framework Program of R&I of the UE, member of the strategic policy advisory committee ERAC and national representative of the Group High Level Group on Joint Programming, GPC. Currently, he is member of the board of directors of the public company for the management of radioactive waste (ENRESA) and of the Strategic Configuration of the Horizon Europe Programme Committee.



Mykola Džubinský
European Commission

Mykola Džubinský got his Master's degree in physics from Lviv National University, Ukraine, in 1993. In 1999, he got a PhD in Material Science from Institute of Materials Research of Slovak Academy of Sciences (Košice, Slovakia).

It was followed by several post-doc positions (e.g. in Corus or in the Sheffield university, both UK) in the materials science domain. He joined DG RTD of the European Commission in 2004, working initially for the Materials unit on a Project Officer position.

In 2010 he joined Euratom fission unit (currently Euratom research unit), where currently he is working on a Policy Officer position. His main responsibility in the unit is issues linked with the nuclear materials research and development, including nuclear fuel. He is also responsible for policy aspects of the nuclear research infrastructure.



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Kick-off meeting speakers

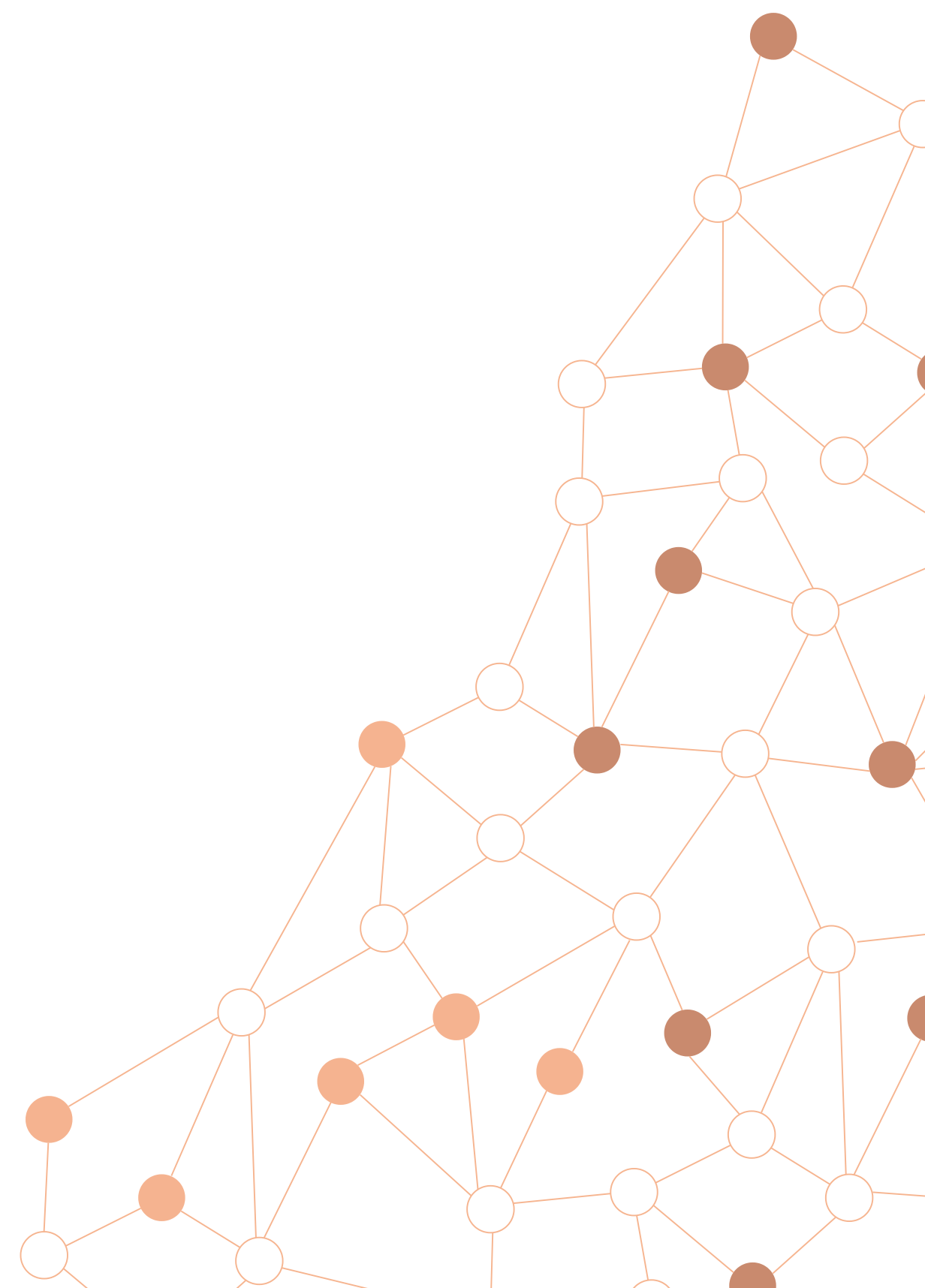


Özlem Özcan Sandikcioglu

Federal Institute of Materials Research and Testing (BAM)

Since 2024, Özlem Özcan Sandikcioglu is Head of Division, Material and Surface Technologies at BAM, Berlin. From 2015-2023, she was Head of Division, Interfacial Processes and Corrosion at BAM, Berlin. From 2010-2014, she was Group Leader, Nanostructured Thin Films at the University of Paderborn, Germany.

In terms of this educational background, she obtained a B.Sc. Chemical Engineering from METU, Turkey in 2003, an M.Sc. Chemical Engineering from METU, Turkey in 2005, and a PhD from Ruhr University Bochum / International Max-Planck Research School SurMat, Düsseldorf, Germany in 2010.





CONNECT NIM

