

# 5th GRMCD SPEAKERS



## **Prof. Ioannis Paspaliaris**

is a Mining and Metallurgical Engineer. He is a Professor at the School of Mining and Metallurgical Engineering and the Director of the the Laboratory of Metallurgy, National Technical University of Athens (NTUA). His research activities involve development of energy efficient processes, processing technologies for ores and industrial minerals, design, simulation and techno-economical evaluation of new production processes, design of environmental protection processes, synthesis of high added-value materials from ores and industrial minerals, mathematical modelling and simulation of chemical and metallurgical processes, process analysis and reactor design.

Since 2018, he is the Scientific Responsible of EIT RawMaterials Hub - Regional Center Greece, which was established by the European Institute of Innovation and Technology (EIT RawMaterials) in cooperation with the National Technical University of Athens.



## **Anna-Michelle Asimakopoulou**

is an economist and an attorney-at-law. She is currently a Member of the European Parliament (EPP), Vice-Chair of the European Parliament's International Trade Committee and member, inter alia, of the Special Committee on Artificial Intelligence, the Committee on the Internal Market and Consumer Protection, the Development Committee and the Science and Technology Options Assessment Panel. She was formerly a member of the Hellenic Parliament and spokesperson for the New Democracy Party. She has also served as Deputy Mayor of the City of Ioannina.

She worked for several years as an attorney in the USA, specializing in financial transactions and international banking law, as an external expert for the European Commission, and as a manager in consulting companies in Brussels and Luxembourg. She is a member of the Board of Trustees of the think tank Friends of Europe and of the Hellenic American University.



## **Krzysztof Kubacki**

is the Innovation Hub Director of Eastern CLC at EIT RawMaterials. In his role he oversees all EIT RawMaterials activities in East and South-east Europe. Prior to joining EIT RawMaterials he was at KGHM, one of the leading global copper and silver producers in various roles in business development and exploration. Most recently he was Vice President, Exploration and New Business of KGHM International. Krzysztof holds a MSc Degree in International Economic Relations from the University of Poznań.



### **Mattia Pellegrini**

is currently Head of Unit for « Waste Management & Secondary Materials» at DG Environment, European Commission. Previously, he was Head of Unit for Raw Materials, Metals, Minerals and Forest-based Industries at the European Commission's Directorate General for Internal Market, Industry, Entrepreneurship and SMEs.

Before that, he was Head of Cabinet of Commissioner Nelli Feroci and a part of the European Commission Vice President Antonio Tajani's cabinet, in charge of Enterprise and Industry.

Mr. Pellegrini has a Master's Degree in European Legal Studies obtained at the College of Europe, Bruges, and a postgraduate diploma

in EC Law obtained at L.U.I.S.S. "Guido Carli", University of Rome.



### **Prof. Konstantinos Aravossis**

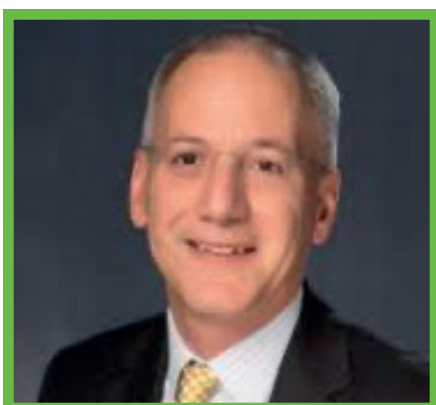
is General Secretary for Natural Environment and Water at the Greek Ministry for Environment and Energy. He is a Mechanical Engineer (Technical University of Aachen -Germany) with an M.Sc. in Management Science from Imperial College - University of London. He has further been awarded a PhD by the National Technical University of Athens, focusing on Operations Research.

He is at the National Technical University of Athens, and was a visiting Professor at Imperial College London. He was the Coordinator of the "Environmental Economics and Sustainable Development Research Group" of the Sector of Industrial Management and Operations Research

of the Mechanical Engineering School and the Environmental Advisor to the President of the Greek New Democracy political party.

He was President of the Greek Branch of the Waste to Energy Research and Technology Council coordinated by Columbia University and associate researcher of the Earth Engineering Centre-Columbia University.

He has been an advisor of the deputy Minister of Culture for the Olympic Games Constructions and their Post-Olympic utilization, President of the Greek Association of Environmental Protection Companies, President of the Hellenic Solid Waste Management Association and President of the Ordinary Environmental Committee of the Technical Chamber of Greece. Furthermore, he was President and CEO at Environmental Companies. He has organised 13 International Conferences and has over 100 scientific publications.



### **Yanni Paniaras**

studied Civil Engineering at Imperial College, London (B.Sc., M.Sc.) and received an M.B.A. from INSEAD. He started his career at KNIGHT PIESOLD, an international mining and engineering consultancy headquartered in London.

Between 1998 and 2015, he held senior management positions in S&B Industrial Minerals Group and – following the acquisition – IMERYS, based in Greece and Germany, concluding his term there as Vice President of the former S&B Division and Managing Director of S&B Industrial Minerals S.A.

In January 2016, Yanni Paniaras joined TITAN Group as Executive Director with responsibility for Region Greece and for the Group's Corporate Affairs.

As of June 2016, he has been elected Chairman of SEV's Business Council for Sustainable Development. Since October 2020 he is TITAN's Group Executive Director Europe and Sustainability.



### **Mark Rachovides**

Euromines is recognised as the representative body of the European metals and minerals mining industry. Mr Rachovides is the first person to serve a third term as President since his election in 2012.

Over the last 25 years he has also been a Director, Executive or Chairman of Natural Resources companies in several countries. He also spent 11 years at the European Bank for Reconstruction and Development (EBRD) and has been involved in a wide variety of projects in Europe and the Former Soviet Union. He has also delivered articles and presentations for Euromines, the LBMA, the World Gold Council, the CBI, PDAC, the Mining Journal, and many other bodies.



### **Athanasios Kefalas**

is President of the Greek Mining Enterprises Association and Chairman of IMERYYS Greece S.A. and IMERYYS Bauxites Greece S.A.

He has studied Mining Engineering-Metallurgy at the National Technical University of Athens and has completed an Executive MBA at INSEAD. He started his career on operations and gradually moved to more strategic roles with high international exposure, building 40 years of experience in the extractive industry, minerals processing as well as in business development and corporate governance.

Fields of expertise are business commercial positioning (both solutions and customer relationships), startup and management of large-

scale and complex units in a number of countries in Europe, N. America, Asia and Africa, strong capabilities in terms of product / market positioning as well as experience in building effective, long-term strategic relationships with clients, firm grasp of the international extractive industry regulatory framework and aptitude in fostering and maintaining dialogue with public administration and government as well as in building long-term and sustainable local community relations.

Since June 2015 he serves as President of the Greek Mining Enterprises Association. He is also member of the General Council of SEV and BoD member of SEV Business Council for Sustainable Development.



### **Mr. Dimitris Chanis**

is currently the Chief Executive Officer of HERACLES Group, member of LafargeHolcim.

He joined HERACLES Group in 2003 and has since held senior executive positions. In 2010, he became C.E.O. of LAVA, a subsidiary of HERACLES Group, and managed to successfully develop new international markets, strategic partnerships and introduce new uses for industrial minerals. In 2012 he assumed the position of Concrete Operations Manager, and in 2013 he became CEO of Lafarge Beton. He assumed the duties of HERACLES Group Commercial Director in May 2016 achieving to boost Group sales and enhance its competitiveness. In

June 1st 2020 he was appointed President of the Hellenic Cement Industry Association.





## Vasileios Rizos

is a Research Fellow and Head of Sustainable Resources and Circular Economy at CEPS. He is an expert in various aspects of the circular economy and analyses regulatory and market barriers to the adoption of circular economy practices in Europe and beyond. Vasileios' main research areas at CEPS include circular economy policies, industrial sustainability, green value chains, low-carbon transport and resource efficiency indicators. He was co-chair of the Circular Economy Task Force of the Think20 (T20) network that supported G20 activities under the German presidency 2016-17. Between 2016 and 2018 he was the coordinator of the CEPS Task Force on the Role of Business

in the Circular Economy. Previously Vasileios worked in DG Environment at the European Commission and the Confederation of European Paper Industries (CEPI). As a trainee at the European Commission he dealt with the implementation of the Waste Framework Directive and the use of economic instruments for improving resource efficiency across the EU. As a Project Officer at CEPI he worked on an assessment of producer responsibility schemes across Europe. He is the lead author of several publications on circular business innovation and policy instruments that can encourage the green market transition.



## Ignacio Calleja

holds a Bachelor's degree in Organic Chemistry from the University of Zaragoza, M.Sc in Technology and Environmental Management from the University of the Basque Country, M.Sc in Environmental Chemistry from the University of Edinburgh, and he is a postgraduate in Technology management at the University of Sevilla.

Mr. Calleja started his professional career in the Chemical sector in 1995 joining the RTD sector in 1996 as environmental researcher (industrial pollution). He joined the European Commission/JRC/IPTS in 1998 developing his work in the Sustainable Production and Consumption Unit for 6 years dealing with IPPC, Water and Waste/Recycling legislation, ETAP, ETV, etc.

From 2005 until Sept 2016 dealt with European affairs, projects, and initiatives dealing with environmental issues, circular economy, industrial pollution, resources efficiency, recycling, environmental policy at the Energy and Environment Unit of Tecnalia Research & Innovation.

He joined EIT RawMaterials in Sept 2016 as Thematic Officer for Circular Economy and Recycling at EIT RawMaterials leading the Circular Economy strategy, representing EIT RM at different European entities. He is coordinating the Cross KIC Circular Economy Action with the participation of six KICs (EIT RawMaterials, EIT Climate-KIC, EIT Digital, EIT Food, EIT Manufacturing and EIT Urban Mobility).

He has been chairman of the Steering Group of the CLC South-EIT RawMaterials, chairman of the Industrial Research Advisory Group (IRIAG) of the SPIRE PPP (Sustainable Process Industry Through Resources and Energy Efficiency), member of the Board of the WSSTP (Water Supply and Sanitation Technology Platform), president of the ENERO (European Network of Environmental Research Organizations), member of the advisory board of the STOCISM, REE4EU, InspireWater, DEMETO, C-SERVEES, CINDERELLA, CENTS Network and ORIENTING projects and member of the jury of the European EMAS Awards 2014 as well as member of the Scientific Committees of LCIC and CARTE Conferences (2018) as well as external evaluator for different calls of FP7, Horizon 2020 and Ecolnnovation program.



### **Iakovos Yakoumis**

obtained his MEng. degree in Chemical Engineering from the National Technical University of Athens. He has published 21 Research Papers and, he is also the Inventor of 3 European Patents. His citation index is more than 1700 (Google Scholar) and the h-index of his work is 11 (excluding shelf-citations, ResearchGate). He is the Founder and the Managing Director of MONOLITHOS Catalysts and Recycling Ltd. He has extensive experience in Project Management since he is the coordinator of 11 different European and National Collaborative R&I Projects and MONOLITHOS' R&I team consists of 9 full time researchers. At the age of 26, he was honored from the Organization of the Greek

Small and Medium Enterprises with the Panhellenic Award of the Best Young Businessman of the Year. He is the President of the Greek Association of Innovative SMEs (Innovation Greece). He has served as elected Vice-President of the city council of Naxos and Small Cyclades Municipality (2014).



### **Guido Sonnemann**

is a full professor at the University of Bordeaux where he heads The Life Cycle Group CyVi at the Institute of Molecular Sciences. The focus of his research is on Life Cycle Assessment for Sustainable Chemistry and Materials Sciences. He is also the chairholder of the Regional Chair of Excellence on Life Cycle Assessment that supports the priority clusters of the New Aquitaine region in their research on sustainability assessment methods. Guido Sonnemann is programme director for the participation of the university in the KIC EIT Raw Materials and coordinator of the International Master programme on Advanced Materials Innovative Recycling (AMIR). He is co-founder and Executive

Committee vice-chair of the Forum for Sustainability through Life Cycle Innovation (FSLCI). Until 2012 Guido Sonnemann was Sustainable Innovation Programme Officer and Science Focal Point for UNEP's Resource Efficiency sub-programme. He holds a PhD in chemical engineering, University Rovira & Virgili, Spain (2002), M.Sc. in environmental chemistry, University of Poitiers, France (1996), and graduated as environmental engineer, Technical University of Berlin (1995).



### **Dr. Santiago Cuesta-López**

is the Director of the International Center for Advanced Materials and Raw Materials of Castilla y Leon (ICAMCYL). He is also the founder, Director and cluster manager of the National Industrial Cluster for raw materials and associated value chains - ISMC Iberian Sustainable Mining cluster- Former Director of the University Research Center in Critical Raw Materials for Advanced Industrial Technologies.

S. Cuesta promotes international activity in raw materials within the Industrial modernizations platforms S3P in Advanced Materials for Batteries, and Mining and associated value chains. He has represented Spain until 2020 as member state in the EU EIP Raw Materials

Operational Groups. S. Cuesta has taken part of many international committees like the Strategic Expert Group (SEG) for M-ERANET EU-Commission. He is executive member of EU NANOFUTURES as chairman of the Working Group on Critical Raw Materials. In the last 5 years Santiago has directed more than 22 EU-H2020 projects, coordinating 6 of them at EU level, including a FET-OPEN project and attracting more than 5 M euros in research. Santiago has been partner/director in more than 40 internationally funded projects, authored/co-authored more than 100 publications and technical communications to industry, and received 10 scientific reputed awards.



### **Prof. Dr. Dr. h.c. mult. Markus A. Reuter**

is currently a Senior Expert, SMS Group GmbH, Düsseldorf, Germany and holds the position of Honorary Professor, TU Bergakademie Freiberg, Germany and Adjunct Professor Curtin University, Australia.

He has had great industrial experience through a series of positions, co current with professorships: Chief Technology Officer Ausmelt Australia & Director Technology Management Outotec (2006-2015); Director Helmholtz Institute Freiberg for Resource Technology, Germany (2015-2020 ongoing as advisor); Australia and Finland (2006-2015); Professor at TU Delft, The Netherlands (1996-2005); Professor & Prof Fellow Uni Melbourne, Australia (UoM) (2005-2018) ; Adj. Prof at

Aalto University, Finland (Aalto) (2012-2017); Guest Prof at Central South University, China (2012-2017) ;Leader Furnace Control Group, Mintek: South Africa (1994-1996) ;Process Metallurgist, Anglo American Corp: South Africa (1984-1985). His current field of research involves Process metallurgy, Product and process design, Circular Economy. His recent awards and honors include EPD Luncheon Lecture TMS 2020 San Diego (2020) ; Honorary Doctorate University of Stellenbosch, South Africa (2017); Honorary Doctorate University of Liège, Belgium (2015);EPD Distinguished Lecture Award TMS [www.tms.org](http://www.tms.org) (2016); EPD Science Award [www.tms.org](http://www.tms.org) (2014) ;Outotec Technology Award (2013).



### **Panagiotis Skiadas**

is currently the Director of Sustainability in Viohalco SA and his current responsibilities include supervision of regulatory issues, environmental management, climate change, health and safety, and certification systems for all production facilities of the company.

Since 1994, he held several positions in environmental management in the private sector since both in the USA and Greece. He served as Chairman of the Board of Directors of the Federation of Recycling and Energy Recovery Industries and Enterprises (SEPAN) for four years, currently being it's honorary Chairman, and is also a member of the Greek National Water Council representing the Hellenic Federation of

Enterprises (SEV). He holds a Master of Engineering in Environmental and Water Quality Engineering from the Massachusetts Institute of Technology (MIT), Cambridge, USA, a B. Sc. in Environmental Engineering from the University of Florida, Gainesville, USA, and an Executive Diploma in Management Studies from ALBA, Athens, Greece.





### **Katerina Adam**

is Associate Professor at the School of Mining and Metallurgical Engineering, (SMME) NTUA. Studied Mining and Metallurgical Engineering at NTUA and acquired her M.Sc. and Ph.D. as an NSF scholar from the School of Chemical Engineering and Materials Science, University of Minnesota, USA. She has an experience of more than 35 years in the Raw Materials Sector, and before joining NTUA in 2007, she worked as a Senior Engineer and Manager in RTOs, in the Mining Industry and in Environmental Consultancy firm. Her Research interests relate to Project & Environmental Management, Sustainable Development of Mineral Resources and Education in Raw Materials and she teaches

Undergraduate and Graduate courses in these areas. She has coordinated/participated in more than 50 European and National funded projects and she completed as an expert on behalf of UNDP a number of mine reclamation studies in the SW Balkans. She served as a project evaluator and reviewer in Scientific Journals. She authored or co-authored ninety (90) articles in scientific journals and conference proceedings, cited in 1000 international papers and more than hundred (100) Technical, Feasibility and Environmental Impact Studies. Presently K. Adam is the Education Advisor of the EIT Raw Materials Hub – Regional Centre Greece, she coordinates EnAct-SDGs and participates on behalf of NTUA in 5 more EIT RM projects, (i.e. RM@Schools ESEE, Train ESEEv2, RM@Manager, SISTEM, RESEERVE) and she is a member of the EIT RM ESEE Education Working Group.



### **Carsten Gerhardt**

is a partner with Kearney in the Chemicals practice. He has a wealth of experience advising companies on corporate strategy, digitalization, sustainability, merger integration, risk management, stewardship, and market entry strategies. Carsten is based in Kearney's Düsseldorf office.

Notable client engagements include: Digital strategies for leading global companies in the chemicals industry, Post-merger integration of European utility companies, Relocation of a life science company from Europe to the United States, Sustainability strategy for a global chemical company.

Carsten speaks and writes about the agriculture and chemical industries with a focus on sustainability and digitization. A recognized expert who is often quoted in leading business journals, he is passionate about the impact of digitization and regularly connects industry leaders with the latest trends from digital hotspots, including Silicon Valley. Carsten was involved with a citizens' initiative to transform an abandoned railroad track in Wuppertal, Germany, into one of Europe's most highly acclaimed cycling paths, and he is also a regular participant in the preselection process for the annual German Sustainability Award. Before joining Kearney, Carsten was a consultant with Boston Consulting Group. He earned a bachelor's degree in mathematics and economics and a master's in Anglo-Irish literature from the University of Wuppertal in Germany and a PhD in theoretical physics from University of Wuppertal/Laval University in Canada.



### **Prof. Sofoklis Makridis**

is an Associate Professor at the Department of Environmental Engineering, University of Patras in Greece & Visiting Professor at the Faculty of Engineering and Informatics, University of Bradford, UK & Canfield University, UK. He is a Director of the legal entity InnoEnergy lab. "Environmental Physics and Hydrogen Technology"

He was till 2013, a Lecturer in the Department of Engineering, Sports and Sciences at Bolton University and associated member in IMRI & IREET Institutes. He is a physicist while he received the MEng in 2002 and the PhD in 2004 in fields of Materials Science and Engineering (NanoMagnetic Materials). His Postdoc research has been accom-

plished on Materials for Hydrogen Storage by having a fellowship from the State Scholarships Foundation while he holds an MBA in spin-offs. The last decade gives lectures more than ten hours per week by covering physics, materials science and technology, hydrogen technologies, energy and innovation.

He serves as Editor-in-Chief at Challenges (MDPI) and at Verizona Publishing Ltd, London. He is involved in the Editorial Board of Materials and SCi (MDPI), Open Chemistry (DeGruyterOpen), of the Scientific Reports of the Nature Publishing Group, and Heliyon, Materials Science and Engineering B of Elsevier.

He is an expert collaborative partner in Materials-Energy-Environment with strong connections in Uk, EU, USA & China companies.



### **Didrik Tollander**

has worked with technology aimed for urban waste management since 2010. Since beginning of year 2020 Didrik has acted as CEO for Ecomation Oy. A company that has developed pyrolysis technology for converting urban waste into rawmaterials.

Didriks vision is that that technology developed and offered to easy the environmental impact should be based on sound and profitable business for the business actors. This is the best way to achive sustainable actions for the environment.



### **Petros Maraboutis**

is a Mining and Metallurgical Engineer with PhD on Materials Science and Environment (NTUA).

He worked in S&B Industrial Minerals for many years, (Head of international operations and EHS) in Greece, Belgium and Germany. He was member of the Board of Directors of Institutions and Associations and Associate Professor of Raw Materials Technology and Quality Control of the Piraeus University of Applied Sciences. Since 2009 he is CEO and partner of Eco-Efficiency Consulting & Engineering Ltd providing technical and consulting services to extractive, metallurgical and chemical industries, institutions, associations, organizations and

public services in Greece, and internationally on Risk Management, Environment, Materials Life Cycle, Waste Management, products Certification and on OSH Strategies.





### **Suzanna Laskaridis**

studied Fine Arts and completed a Master's degree in Media Arts and Communication Design. She quickly turned her academic interest to shipping, completing her studies in Ship Management and Maritime Law in City University of London. She has been working in Lavinia Corp and Laskaridis Shipping since 2007, where she is involved in all areas of day-to-day management.

In 2016 she founded non profit Real Time Graduates, an award winning free access CV database in Greece for the maritime industry.

She is the General Secretary and Treasurer of the Aikaterini Laskaridis Foundation, a nonprofit, cultural institution, and is creatively involved

in its numerous educational projects and their promotion on the web. She also heads and promotes its environmental initiatives.

Drawing inspiration from her experience in shipping and her environmental activity, in 2019 she founded BlueCycle, focusing on the recycling of marine plastic waste, primarily originating from fishing and shipping activities. As its director, she participates often in Greek and international forums on circular economy and the sustainable use of marine plastic. Since 2018 she has served on the Leadership Committee of the UNSDSN (United Nations Sustainability Development Solutions Network).



### **Evangelia Mylona**

studied Mining and Metallurgical Engineering at National Technical University of Athens. She is currently a member of the Special Technical Laboratory Staff of NTUA, offering specialized technical laboratory services for the implementation of educational and research activities at the School of Mining and Metallurgical Engineering. She has more than 25 years of experience on the environmental management of industrial wastes, especially characterisation, risk assessment and development of rehabilitation technologies of mine wastes exhibiting acid drainage generation and metals leachability. She has participated as a senior researcher in more than 10 national and EC research projects

associated with the environmental management of mining activities and has been actively involved for 20 years in the services provided by the Laboratory of Metallurgy to the Greek mining and metallurgical industries regarding the environmental characterisation of wastes.



### **Mr. Ioannis Orfanoudakis**

Mining & Metallurgical Engineer NTUA, M.Sc. Geoinformatics is an Environmental Consultant in ECHMES Ltd. He is a Class B' Certified Public Works Consultant in Environmental Studies (Category 27) and in Mining Studies & Research (Category 19). He has extensive experience in the preparation of Environmental Impact Assessment Studies, Technical Studies, Extractive Waste Management Plans, implementation of Geographic Information Systems, Environmental Management and Permitting of Projects. He is a member of the Technical Chamber of Greece (TEE).



## **Emmy Gazea**

is a chartered Mining and Metallurgical Engineer, National Technical University of Athens (NTUA). She is the Environmental Manager of HELLAS GOLD SA and has more than twenty-five (25) years' industrial experience in the environmental management of the mining sector. Her main activities involve design and coordination of integrated environmental monitoring and management plans, extractive waste and liquid effluents management, environmental protection and reclamation projects as well as elaboration of technical and environmental studies.

She has participated in a number of R&D projects and has more than 20 publications in international journals and conference proceedings.