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## **Green Connect Workshop 3- Timetable**

### **15<sup>th</sup> February 2024, Home for Cooperation**

**9:50-10:10 Registration**

**10:10-10:15** Opening/Welcome from Dr Marina Leontiadou, University of Salford

**10:15-10:20 Mr Ben Rawlings**

Deputy British High Commissioner to Cyprus, DBHC

**10:20-10:55 Prof John Irvine**

Professor in Chemistry, Lead Academic, School of Chemistry, University of St Andrews

**10:55-11:15 Dr Şevket Can Bostanci**

Assistant Professor, Faculty of Engineering, European University of Lefke

**Environmentally efficient approaches for sustainable concrete production**

**11:15-11:30 Coffee/Tea Break**

**11:30-12:05 Prof David Dunstan**

Professor of Experimental Physics, Queen Mary University of London

**Consequences of the intermittency of solar and wind generation**

**12:05-12:25 Dr Alexandros Charalambides**

Associate Professor, Head of Chemical Engineering, Cyprus University of Technology

**A Research and Innovation Action Plan to achieve Cyprus' Energy and Climate Targets**

**12:25-12:45 Dr Lois Pennington**

Tyndall Centre for Climate Change, University of Manchester

**Food for Thought: Addressing the Problem of Airline Catering Waste**

**12:45-13:05 Dr Babak Safaei**

Associate Professor, Eastern Mediterranean University/University of Johannesburg

**Title tbc**

**13:05-14:00 Lunch**

**14:00 -14:35 Prof Umut Türker**

Professor, Department of Civil Engineering, Eastern Mediterranean University

**Title tbc**

**14:35-14:55 Dr Chryso Sotiriou**

Senior Energy Policy & Climate Change Expert, Ideopsis Ltd

**Promoting alternative fuels in Cyprus**

**14:55-15:15 Dr Athina Georgiou Shippi**

Lead – Environmental Expert, KykloIKOdromio

**Circular Economy Actions for All**

**15:15-15:30 Coffee/Tea Break**

**15:30-16:30 Discussion/Closing remarks**



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## INVITED SPEAKERS

### Chair: Dr Marina A. Leontiadou

(Associate Professor, University of Salford)



**Marina** first obtained BSc & MSc (Hons) degrees in Physics from The University of Cyprus (Nicosia, Cyprus). She then moved to the Advance Technology Institute at the University of Surrey (United Kingdom) where she studied the spin-dynamics in semiconductor structures for her PhD. Dr Leontiadou then spent a period as a post-doctoral research associate at the Photon Science Institute, at The University of Manchester working on photovoltaic materials. In 2018 she was awarded a lecturership position (assistant professor) at the University of Salford. In 2022 Dr Leontiadou was promoted to Reader (associate professor). Dr Leontiadou was elected onto the committee of Institute Of Physics (IOP) Materials and Characterisation Special Interest Group. She has been recently invited to be a member of the IOP Awards Committee. Her research interests focus on exploiting experimental physics to understand and develop novel photovoltaic and spintronic materials.

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### Mr Ben Rawlings

(Deputy British High Commissioner to Cyprus, DBHC)



**Ben** joined the Foreign, Commonwealth & Development Office (FCDO) in 2009. He was appointed Deputy British High Commissioner to Cyprus in September 2020, following temporary deployments as Deputy Ambassador to Tunisia and Morocco. Ben has previously been posted to Peru, where he led the Economic & Sustainable Development Team. In London Ben has worked on National Security, Middle East & North Africa, Consular and South Asia & Afghanistan, as well as in the Home Office. Prior to joining the FCDO Ben worked in local government, in non-governmental organisations on youth engagement & participation, and as a freelance trainer. He continues to be passionate about youth participation, as well as culture (particularly theatre) and languages.

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### Prof John Irvine

(Professor in Chemistry, Lead Academic, School of Chemistry, University of St Andrews)



**John** has made a unique and world-leading contribution to the science of energy materials, especially fuel cell and energy conversion technologies. This research has ranged from detailed fundamental to strategic and applied science and has had major impact across academia, industry and government. Irvine's science is highly interdisciplinary extending from Chemistry and Materials through physics, bioenergy, geoscience, engineering, economics and policy. He has strong international standing with over 500 publications and an WoS h-index of 69. The quality and impact of John's research has been recognised by a number of national and international awards, including the Lord Kelvin Medal from the Royal Society of Edinburgh in 2018, the Schönbeim gold medal from the European Fuel Cell Forum in 2016, the RSC Sustainable Energy Award in 2015, with earlier RSC recognition via Materials Chemistry, Bacon and Beilby awards/medals. Most recently John was awarded the Hughes Medal in 2021 for the introduction of new concepts in Energy Materials science. John's research into fuel cells, electrolysers and materials forms the basis of the Hydrogen Accelerator and Translating Hydrogen into Action.

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## Dr Sevket Can Bostanci

(Assistant Professor, Faculty of Engineering, European University of Lefke)



**Sevket** is the Head of Civil Engineering Department and Assistant Professor within the Faculty of Engineering at the European University of Lefke (EUL). He studied BSc, MSc degrees at Kingston University London with thesis titles as Study of Structural Properties of BS EN 197-1 Composite Cement Concrete and Applicability of Sustainable Design and Construction in North Cyprus respectively. Following his MSc studies, he completed a PhD at Kingston University London with thesis title of Low Carbon Sustainable Design and Construction in 2015. Since September 2015, is teaching in Civil Engineering Department and since October 2023 acting as Head of Department at the EUL. Sevket's research interests include sustainable concrete technology, waste materials recycling for reuse, construction materials, smart technologies for citizen well-being, sustainable construction and sustainable built environment. He published more than 10 journals/book chapter and 6 conference proceedings with 400+ citations and 6 h-index. In addition, he holds BREEAM International New Building Assessor title since 2017. He is a member of Cyprus Turkish Chamber of Civil Engineers and graduate member of Institution of Civil Engineers (UK).

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## Prof David Dunstan

(Professor of Experimental Physics, Queen Mary University of London)



**David** is Professor of Experimental Physics at Queen Mary University of London. After his PhD at Hull University on magnetic resonance, he studied amorphous silicon in Paris (Ecole Polytechnique), Grenoble (CENG) and Austria (University of Linz). Returning to the UK, at Surrey University, he developed high-pressure instrumentation and his work on strained-layer nanostructures contributed to the development of the strained-layer laser. He has several inventions exploited commercially, in applications including high pressure (with Almax easylab bv), spectroscopy (Renishaw plc), metallurgy (Ultima Forma Ltd), and museum lighting (e.g. the Hope Diamond, with Absolute Action Ltd). His current research interests include the mechanical properties of graphene and related structures, Bayesian methods in data analysis and now global warming and paths to net-zero.

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## Prof Umut Türker

(Professor, Department of Civil Engineering, Eastern Mediterranean University)



**Umut** is professor of Civil Engineering at Eastern Mediterranean University and, is the chair of the Department of Civil Engineering. Prof. Türker's research interests are in water resources aspects of civil engineering, coastal sediment transport, environmental hydraulics and hydrology, with emphasis on problems and projects. He was author of over 25 published technical papers and co-author of a book. He has served on several national water council study committees. Prof. Türker holds a B.S. and MSc. degrees in civil engineering from Middle East Technical University and Ph.D. degree from Istanbul Technical University.

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### Dr Alexandros Charalambides

(Associate Professor, Cyprus University of Technology)



**Alexandros** is an Associate Professor at the Cyprus University of Technology, working primarily on (a) predicting energy production from solar systems and (b) how innovation and entrepreneurship can assist in our efforts for decarbonization. He holds a PhD in Mechanical Engineering from Imperial College London and in 2022 was the recipient of a Fulbright Visiting Scholarship to work at the School of Industrial Engineering at Purdue University. He served on the Board of the International Solar Energy Society, has organised the EUROSUN 2020 Conference and as from 2024, will serve on the Board of the Electricity Authority of Cyprus. He is also the founder of Chrysalis LEAP, the first cleantech accelerator in Cyprus, and has trained more than 200 entrepreneurs on how to go from a research idea to a viable business.

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### Dr Lois Pennington

(Doctoral Prize Fellow, Tyndall Centre for Climate Change, University of Manchester)



**Lois** is a Doctoral Prize Fellow at the Tyndall Centre for Climate Change Research, based at the University of Manchester. She is currently researching the opportunities and barriers to improving the way the UK handles its cabin waste in the aviation sector. She is close to completion of her PhD, which estimated national volumes of cabin waste and used Life Cycle Assessment to measure the environmental impact of the cabin waste management. She holds a MEng in Chemical Engineering from the University of Edinburgh.

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### Dr Babak Safaei

(Associate Professor, Department of Mechanical Engineering, Eastern Mediterranean University/University of Johannesburg)



**Babak** currently is working as Associate Professor at Department of Mechanical Engineering at Eastern Mediterranean University. He received his PhD. degree in Mechanical Engineering from Department of Mechanical Engineering at Tsinghua University. Also, he has honorary position as Visiting Professor at University of Johannesburg since 2021. Presently, he is director of Nanotechnology and Multifunctional Structures Research Center (NMSRC) at Eastern Mediterranean University. His research interests focus on Computational Mechanics; Micro and Nano Mechanics; Advanced Manufacturing; Design of Lightweight Structures; Composite and Nano Composite Materials; Lithium-Ion Batteries.

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## Dr Chryso Sotiriou

(Senior Energy Policy & Climate Change Expert, Ideopsis Ltd)



**Chryso** has research and consulting experience in the fields of energy and environment, and more specific in the topics of climate change mitigation, greenhouse gas emissions and environmental economics. She worked as a Research Associate at the Department of Chemical Engineering of Cyprus University of Technology (CUT) and has participated in several technical support projects related, amongst others, with the National Energy and Climate Plan of Cyprus. She was a Special Scientist at CUT on the topic of Environmental Economics and Operations Research and currently she is a Senior Energy Policy and Climate Change Expert and Supervisor at ideopsis Ltd. She is also a founding member of NGO kykLOIKOdromio and a Management Board Member of Cyprus Hydrogen Association. Her qualifications included a BSc in Physics, an MSc in Energy Resources Management and a PhD in Environmental Economics and Policy.

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## Dr Athina Georgiou Shippi

(Lead – Environmental Expert, KykLOIKOdromio)



**Athina** graduated from the University of Edinburgh in 2012, with a BSc in Ecological and Environmental Sciences. In 2016 she directly transitioned from undergraduate to PhD studies in Landscape Architecture at the University of Edinburgh for which she proposed her own research project entitled “Conceptualising Adolescents’ Pro-Environmental Behaviour: An exploration in Cyprus with reference to Scotland”. She was a Teaching Assistant and Tutor for the “Landscape and Wellbeing” MSc course at the University of Edinburgh (2019-2022) and a postgraduate students’ dissertation supervisor (2020). She was a member of the organising team of a 2-day international conference “Researching with and for children” (2017) and of a postgraduate seminar series (2016-2020). She joined “kykLOIKOdromio” team in June 2023.



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High Commission