Keynote Lecture 1 Speakers' Profile

Time: 9:30 – 12:05
Place : Gymnasium / Online

卓越大学院プログラム
グローバル超実践ルートテクノロジープログラム
Global Pro-Active Root Technology Program

9:50-10:20 -

Mr. Mark Charlton

Associate Director / Public Engagement /
De Montfort University (SDG16 Hub University) / United Kingdom

At De Montfort University, he leads the United Nations Academic Impact Initiative Global Academic Hub for SDG 16 with a responsibility to engage students in working towards impacting the SDGs through their studies and local activism. He is Associate Director of Public Engagement, currently tasked with leading a response to the Covid-19 Pandemic to support recovery in the city of Leicester – following the UN's call to 'Build Back Better' and 'Leave No One Behind'. In order to do this the university is apply its teaching and research to drive the response. Mark is also PhD scholar, researching the impacts of civic engagement on student's political participation.

10:25-10:55 Anaerobic membrane bioreactors for future sustainable development of wastewater treatment

Dr. Huu Hao Ngo

Professor of School of Civil and Environmental Engineering / Deputy Director of Center for Technology in Water and Wastewater / Fellow of International Water Association (FIWA) / Lead researcher of the International Bioprocessing Association (FIBA and LRIBA) / University of Technology, Sydney / Australia

He is internationally well-known for his activities in the areas of advanced biological waste treatment technologies (e.g. membrane bioreactor, specific attached and/or suspended growth bioreactors, anaerobic digesters, wetland and bio-sorption) and membrane technologies. His expertise and practical experience also cover the areas of alternative resources, management and impacts assessment, and solid waste management. Currently, he is very active to work on the development of specific green bioprocessing technologies: resource recovery, water-waste-bioenergy nexus, and greenhouse gas emission control.

11:00-11:30 "Everyone playing their part to achieve the SDGs"

Ms. Amy Malcolm

Manager, Strategic Relations Office of the Vice-Chancellor/
The University of Auckland (SDG4 Hub University) / New Zealand

She is currently manager of the United Nations Academic Impact Initiative Global Academic Hub for SDG 4, Quality education. She is also the manager of Strategic Relations in the Office of the Vice Chancellor developing strategic relationships to increase the impact the University has on its community. In 2016, as Campaign Manager, she developed the University's fundraising campaign to its launch. She is the founder and Director of The Creative Thinking Project with the aim of starting a conversation about the role and benefits of creative thinking for the individual, society, business and education since 2011. She is the New Zealand Ambassador for the World Creativity and Innovation Week.

11:35-12:05 "Multilevel Approach to Advance SDG1: Best Practices in Ensuring Sustainable Impact"

Dr. Jonas Richard A

Professor & Head / PG & Research Department of Social Work /
Kristu Jayanti College (SDG1 Hub University) / India

He comes with 20+ years of experience in Social Work Education at the post Graduate level, Social Work Research and Social Work Practice. Dr Jonas manages the core operations of SDG 1 Hub at Kristu Jayanti College by engaging student body and educate them on SDGs. He also organizes regular meetings with the hub community to discuss, plan and allocate responsibilities for actioning the core functions of the hub. He is consultant to many national and international NGOs on designing and implementing community development programs. He holds Masters in Social Work (MSW) and Masters in Psychology in addition to obtaining his PhD in the area of Life Skills Education.

Keynote Lecture 2 Speakers' Profile

Time: 15:15 – 17:00
Place : Gymnasium / Online

卓越大学院プログラム
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15:20 - 15:40 Autarkic photography?

Dr. Sebastian Vaucher

Senior Scientist at Swiss Federal Laboratories for Materials Science and Technology

In 1998 he obtained his Ph.D. at the University of Neuchâtel. As a post-doctoral fellow at the University of Bristol, he examined "soft-chemistry" methods for the synthesis of nanostructured functional molecular magnets. Since 2001 he has been working at Swiss Federal Laboratories for Materials Testing and Research (Empa). Docent at the Swiss Polytechnic Institute of Technology (EPFL) for more than 10 years he has represented Switzerland at the European level as a domain committee member of European Cooperation in Science and Technology (COST), and is currently member of Objectif Sciences International – an NGO with special consultative status to United Nations

15:40 - 16:00 "Working strategically on Marine Sustainability at the University of Bergen, Norway including SDG 14, Life Under"

Dr. Amund Maage

Marine Director at the University of Bergen (SDG14 Hub University)

Since 2010, he is a Conjugated Professor in Food Chemistry at the University of Bergen, and a Head of Research at the National Institute of Nutrition and Seafood Research. His special scientific interest and competence are within contaminants in the marine food chain and the effect on seafood availability and risk. Now, his main task is to enhance marine projects and sustainability matters for the University of Bergen with a conjugated science component at IMR.

16:00 - 16:20 "Volatile Deep Eutectic Solvents for Sustainable Crystallization"

Dr. Simon Robert Hall

Associate Professor, School of Chemistry, University of Bristol, UK

His research group is interested in complex functional materials and how, by controlling crystallization, their functionality can be altered and improved. He has considerable management experience in co-managing a Centre for Doctoral Training (the BCFN) as well as directing an internationally recognized research group. He has been a Member of the Royal Society of Chemistry since 2004. In 2014, he was made a Fellow of the Higher Education Academy, and in 2018, he was named as a Fellow of the Royal Society of Chemistry in recognition of his global contributions to the field.

16:20 - 16:40 "Making it happen and keeping it going: Sustainable development goals in moving deep tech and cutting edge research from the benchtop to business"

Dr.Andrew Collins

Enterprise Developer and Lecturer at the Quantum Technology Enterprise Centre (QTEC) / University of Bristol

He gained his Ph.D. in bio-inorganic nanomaterials chemistry at the University of Bristol. He was previously the Industrial Research Fellow for the Bristol Centre for Functional Nanomaterials (BCFN) where he acted as an interface between industry and the BCFN. Now within QTEC, he is involved in the education and development of scientifically leaning entrepreneurs seeking to establish their own deep tech companies. The QTEC programme has been running since 2016 and has generated 31 companies who have generated £40.7M in funding between them to date. He is also a visiting professor at the Nagaoka University of Technology.

16:40 – 17:00 "Employing Supramolecular Chemistry for a Sustainable Future"

Dr. Neil Champness

Professor at Chemical Nanoscience & University Global Research Theme Leader for Transformative Technologies, School of Chemistry / University of Nottingham

In 1993, he gained his Ph.D. and moved to the University of Nottingham in 1995 as a Teaching Fellow in Inorganic Chemistry. He was promoted to the Chair of Chemical Nanoscience in 2004. He is a Royal Society Wolfson Merit Awardee and a Fellow of the Learned Society of Wales, International Union of Pure and Applied Chemistry (IUPAC), and the Royal Society of Chemistry. He was elected as a Member of the Academia Europaea in 2020.