



**ENGINEERING and INDUSTRY
INNOVATIVE TRAINING FOR ENGINEERS
(ENGINITE)**

PROJECT NUMBER
2017-1-CY01-KA202-026728

IO4-Task 3: Guest speakers and mentors







Prepared by CUT



THIS PROJECT HAS BEEN FUNDED WITH SUPPORT FROM THE EUROPEAN COMMISSION UNDER THE ERASMUS+ PROGRAMME. THIS PUBLICATION [COMMUNICATION] REFLECTS THE VIEWS ONLY OF THE AUTHOR, AND THE COMMISSION CANNOT BE HELD RESPONSIBLE FOR ANY USE WHICH MAY BE MADE OF THE INFORMATION CONTAINED THEREIN

Consortium

This document has been produced by the consortium of the ENGINITE project

	<p>CYPRUS UNIVERSITY OF TECHNOLOGY [CUT]</p>
	<p>AALBORG UNIVERSITET [AAU]</p>
	<p>CUBEIE L.L.C. [CUBEIE]</p>
	<p>TECHNICAL UNIVERSITY OF CRETE [TUC]</p>
	<p>GRANTXPRT CONSULTING LTD [GrantXpert]</p>
	<p>USEFUL SIMPLE PROJECTS LTD [ThinkUP]</p>

Task 3: Guest speakers and mentors



As part of Task 3, all partners that implemented the pilot testing of the ENGINITE Vocational Education and Training (VET) programme, namely the Cyprus University of Technology in Cyprus (P1) and the Technical University of Crete in Greece (P5), had to select, at least, 4 Guest Speakers and 5 Mentors/Trainers to participate in the programme.



What follows below is the presentation of the Mentors/Trainers and Guest Speakers selected per partner.

A. Guest speakers

A total of 4 Guest Speakers participated in the pilot testing of the ENGINITE VET programme in Cyprus. Table 6 presents the Guest speakers involved in the ENGINITE VET programme in Cyprus.

Table 6: The guest speakers in Cyprus

No	Name	Profile/Short bio	Role in ENGINITE
1	Andreas Dionisiou 	Andreas Dionysiou has studied Mechanical Engineering at the National Technical University of Athens from 2001 until 2007 following a master's degree in Msc Management at Imperial College Business School, Imperial College London. He returned in Cyprus in 2008, where he was hired at Cyprus Airways Ltd as a Financial Technical Analyst at the Engineering and Maintenance Department. He has Joined the Cyprus University of Technology in 2010 in order to form and develop the Environmental Policy Office of the University. The Environmental Policy Office coordinates the Environmental Management System of the University and helps the organization to demonstrate its environmental consciousness and sensitivity.	Andreas Dionysiou was invited in the context of the ENGINITE training course "Engineering systems thinking: Re-engineering by Simplifying". During his visit Andreas has delivered a 1-hour lecture focusing on the "University's Waste Management".
2	Katerina Tsangari 	Katerina Tsangari holds a master's degree in Chemical Engineering from the Imperial College London as well as a master's degree in University of Cambridge. She has worked as a Health & Safety and Environment Officer and an Environmental Coordinator at Lanitis Bros LTD member of Coca-Cola Hellenic. She has also worked as an Environmental Supervisor at Coca-Cola Hellenic Bottling Company and as an HSE Officer at VTT Vassiliko LTD. Currently, she is working as a Group Public and Regulatory Affairs Manager at Coca-Cola Hellenic Bottling Company.	Katerina Tsangari was invited in the context of the ENGINITE training course "Project management in action". During her visit Katerina has delivered a 1-hour lecture focusing on her prior and current experiences as a Group Public and Regulatory Affairs Manager at Coca-Cola Hellenic Bottling Company.

3	<p>Maria Kyriakou</p> 	<p>Maria Kyriakou is a PhD Candidate at Cyprus University of Technology working at the Environmental Bioprocessing Laboratory. She is currently working on a LifeCab Environmental program as a Grant Researcher while her doctoral proposal is related to biotechnological applications. She is a holder of Food Technology degree at Cyprus University of Technology and a Food Engineering, Processing and Preservation of Agricultural Products MSc at Agricultural University of Athens.</p>	<p>Maria Kyriakou was invited in the context of the ENGINITE training course "Engineering economics". During her visit Maria has delivered a 1-hour lecture focusing on Biogas and digestate with controlled ammonia content by a virtuous biowaste cycle with integrated biochemical processes.</p>
4	<p>Despo Ktoridou</p> 	<p>Dr. Despo Ktoridou is currently an Associate Professor and Head of Management & MIS Department at the University of Nicosia in Cyprus. Dr. Ktoridou's research focuses on areas of ICT Innovations: integration in education, ICT Strategic management, Social Technologies: social networking in education/business, Pedagogies in Higher Education: Innovative Teaching /Learning Processes. Dr. Ktoridou has presented papers in numerous refereed international conferences and has published several papers in refereed journals. Dr. Ktoridou participated in EU and local funded programs and has been invited by foreign universities as a guest lecturer.</p>	<p>Despo Ktoridou was invited in the context of the ENGINITE training course "Innovation, entrepreneurial and intrapreneurial skills". During her visit Despo has delivered a 1-hour lecture focusing on Customer's needs as part of the BMC (Business Model Canvas).</p>

Despite the efforts taken by the Greek Trainers, to invite experienced speakers from big industries from Athens, Thessaloniki and other Greek cities, no guest speakers participated in the ENGINITE courses due to their limited availability during the period of module presentations. In order to overcome this situation, the two Greek trainers presented to the engineers a set of case studies from major Greek companies (ferronickel, bauxite, the food industry and wastewater treatment units).

In addition, as part of the ENGINITE training courses, the participating engineers in Greece took part in the "Greentech challenge" (<https://www.greentechchallenge.gr/>) on 14th -16th December 2018 which took place in Athens (Figure 23). As part of this competition the young engineers in Greece had the opportunity to submit their projects in one of the three thematic areas (Environment & energy, Smart & sustainable cities, Innovative green products).



Figure 23. Snapshot from the competition website

Importantly, the young engineers in Greece had the opportunity to attend various workshops and talks by experts in the field, which acted as “Guest” speakers”, such as for instance:

- Cost Analysis, Financial Analysis & Revenue Model (Mr. Christos Nikoloudis, National Technical University of Athens)
- Presentation Skills Training (Mrs Athens Dova, Co-Founder & COO – Owivi)
- Business Model Canvas Training (Mr. Christos Nikoloudis, National Technical University of Athens & parallel presentations by mentors)
- The technological challenges of the Greek production system (Parallel presentations by various speakers)
- Analysis of technological challenges (Various speakers)



B. Mentors/Trainers



A total of 11 Trainers/Mentors participated in the pilot testing of the ENGINITE Vocational Education and Training (VET) programme in Cyprus and in Greece. Table 7 presents the Trainers/Mentors involved in the ENGINITE VET programme.



Table 7: The mentors/trainers in Cyprus and in Greece

No	Name	Profile/Short bio	Role in ENGINITE
1	Andreas Andreou	Andreas Andreou is a Chemical Engineer with extensive professional experience in the Industry sector. Andreas graduated from the National University of Athens with the degree of Chemical Engineer. He is a holder of a Master Diploma in the interdisciplinary subject of “Environment and	Trainer/Mentor


		<p>Development[™] and a Master in Business Administration (MBA).</p> <p>Following his graduation, AA worked in the Dairy Industry, first as a Health & Safety Officer and then as Technical Manager and Plant Manager. Later, AA moved to the Oil Storage Industry, first as a Terminal Shift Supervisor and then as a Customer Service Representative. Since 2016 he is an external associate of a business consultancy office, based in Cyprus, and cooperating for conducting, among others, business development plans, comprehensive market researches and investment memorandums for several firms.</p> <p>His deepening in various areas, and his endorsement in creativity, innovation and collaboration, made Andreas a great supporter of integrated development, a working philosophy that combines multidisciplinary, practical and holistic approaches to address contemporary social, economic, educational and engineering problems.</p> <p>More information can be found here: https://www.linkedin.com/in/aandreouac/</p>	
2	<p>Panayiotis Andreou</p> 	<p>Panos Andreou is a Civil and Environmental Engineer specialized in Structural Engineering with more than 7 year of global professional experience from the USA, Kingdom of Saudi Arabia, Greece and Cyprus.</p> <p>Panos graduated from the University of Cyprus with the degree of Civil and Environmental Engineer. He is a holder of two Master's degrees, a Master of Engineering (MEng) from the University of Cyprus and Master of Science (MSc.) in Analysis and Design of Earthquake Resistant Structures from the National Technical University of Athens.</p> <p>Since 2015, he is also a visiting Instructor at the Intercollege, Nicosia, part of the University of Nicosia, as well as a Lecturer at the Post-Secondary Institution of Technical Education and Professional Training in Cyprus. Additionally, Panos has a Certified Trainer by the Human Resource Development Authority of Cyprus.</p> <p>Currently, he is a Senior Structural Engineer at a private leading civil engineering company in Cyprus, where he is actively involved in the design of several high-rise buildings in Cyprus. Moreover, Panos is a co-Managing Director at CUBEIE, offering research, training and engineering consulting services.</p> <p>More information can be found here: https://www.f6s.com/panayiotisandreou</p>	Trainer/Mentor
3	<p>Christina Achilleos</p>	<p>Christina is an EU Funding Consultant, and Proposal Writer. She holds a degree in Business Administration (First Class Honours)</p>	Trainer

		<p>and a Postgraduate Diploma in Marketing from the University of Leicester. She is a member of the GrantXpert group the past 3 years. In her first 2 years with Grantxpert, she has concentrated on National Funding Programmes' proposal writing. Indicatively, Christina managed to achieve a total of 400,000 EUR funding for the company's clients in one of the most competitive national funding programmes 'Entrepreneurial Innovation Funding Scheme'. Since July 2016, Christina is a full-time member of the team dealing mainly with proposal writing for European Funded programmes. As of February 2017, she is focusing on building expertise in the Horizon2020 Programme 'SME Instrument', after she has completed successfully a full comprehensive induction course of the programme in Brussels. Her immediate goal is to become an SME Instrument Expert, and thus serving Grantxpert's strategic decision to become a leader in this programme, both on a national and EU level. Her top core interest areas are: Future and Emerging Technologies, Innovation & Leadership, and Digital Culture.</p> <p>More information can be found here: http://www.grantxpert.eu/about/#our-team_tab</p>	
4	<p>Stylianos Yiatros</p> 	<p>Dr Stylianos (Stelios) Yiatros is an Assistant Professor in Structural Engineering in the Department of Civil Engineering and Geomatics since October 2011. Prior to his election at the Cyprus University of Technology, he was a Lecturer in Structural Design at Brunel University in the UK. Stelios has secured a Marie Curie Intra European Fellowship and between 2015 and 2017 he undertook experimental structural integrity and stability research at Cranfield University in the UK. He is also the Education Lead for the EIT Climate-KIC Hub in Cyprus, coordinating the flagship postgraduate climate innovation summer school "The Journey".</p> <p>Stelios holds a Master of Engineering (First Class Hons) in Civil and Environmental Engineering from Imperial College London (UK) where he received the Prize for the Best Final Year Project with Industrial Application in Civil Engineering. He then pursued a doctorate in the field of nonlinear structural mechanics with a scholarship from Imperial College and the Engineering and Physical Sciences Research Council (UK), which he successfully completed in 2010. During his studies at Imperial, Stelios was heavily involved in the teaching of undergraduate and postgraduate courses in Civil Engineering and in 2009 he was the first to be named the Best Graduate Teaching Assistant for the Department of Civil and Environmental Engineering.</p> <p>His research interests include topics of nonlinear structural stability such as mode interaction and buckling localization in thin-walled structures and composites, experimental structural stability and integrity of metal foam sandwich structures as well</p>	Trainer

		<p>as sustainable construction methodologies. He is also interested in the use of novel tools to improve the intuitive understanding of structural behaviour and has contributed to the development of free online content for University Teachers through the Royal Academy of Engineering HE STEM scheme.</p> <p>More information can be found here: https://www.cut.ac.cy/faculties/fet/ceg/staff/stylios.yiatros/</p>	
5	<p>Elpida Georgiou</p> 	<p>Elpida Georgiou completed her bachelor's degree in Civil Engineering at Cyprus University of Technology in 2011. She then continued her studies in London and gained her master's degree in Earthquake Engineering with Disaster Management from UCL in 2012.</p> <p>Today, Elpida is a PhD Candidate in the Department of Civil Engineering and Geomatics of Cyprus University of Technology under the supervision of Associate Professor Christis Chrysostomou. Her research interests are concentrated on the retrofitting of existing structures and more specifically on the "Seismic Retrofitting of RC Frames with RC Infilling", which is also her doctorate thesis' subject.</p> <p>She is a member of the Technical Chamber of Cyprus (E TEK), the Society of Earthquake and Civil Engineering Dynamics in London (SECED) and the Society of Civil Engineers of Cyprus (SPOLMIK).</p> <p>More information can be found here: https://www.cut.ac.cy/faculties/fet/ceg/staff/es.georgiou/</p>	Trainer/Mentor
6	<p>Orestes Maragos</p> 	<p>Dr. Orestes Maragos was born in Nicosia, Cyprus and is a Research Fellow in the Department of Civil Engineering and Geomatics of the Cyprus Institute of Technology (CUT).</p> <p>Orestes began his studies at the Higher Technical Institute in Cyprus where he earned the Diploma of Technician Engineer in the field of Civil Engineering. Orestes graduated with the Best Aggregate Performance in all subjects studied in the Civil Engineering Course and also received the award for best project.</p> <p>He continued his education in the United States of America and earned his B.Sc. and M.S. degrees from University of Missouri-Kansas City in 2002 and 2004 and his Ph.D. degree from the University of Kansas (with honors), in civil engineering in 2010. During that time, Orestes reached the Dean's List and was awarded the Outstanding Graduate Student Award for two years. During his post-graduate studies, he received the prestigious Chancellor's Interdisciplinary Ph.D. Fellowship Award, which supported his research for two consecutive years (2005-2007).</p> <p>Orestes' research interests include quantitative scanning</p>	Trainer/Mentor

		<p>acoustic microscopy of biomaterials, ultrasonic wave propagation modeling of heterogeneous substrates, numerical methods for ultrasonic field computations and the development of methodologies for material property measurements using complementary microscopic techniques.</p> <p>More information can be found here: https://www.cut.ac.cy/faculties/fet/ceg/staff/orestes.marangos/</p>	
7	<p>Ioannis Vyrides</p> 	<p>Dr Ioannis Vyrides is an Assistant Professor at the Department of Environmental Science and Technology at the Cyprus University of Technology (CUT) and the group leader of Environmental Engineering Laboratory since 2012. He holds a Diploma in Chemical Engineering from the National Technical University of Athens, Greece (2005). He has a PhD in Chemical Engineering from the Imperial College London where he worked on the Submerged Anaerobic Membrane Reactor (SAMBR) for the treatment of toxic wastewater (2009). He has worked as a Post Doc in molecular microbiology research laboratory at the Kings College London where he has constructed a microbial consortium from anaerobic isolated strains which was inoculated in a UASB bioreactor (2009-2010). He was a Visiting Lecturer at the Imperial College London and the CUT (2011).</p> <p>His research interests focus on anaerobic digestion process and the utilization of the end products from anaerobic digestion such as biogas, sludge and anaerobic effluent.</p> <p>More information can be found here: https://www.cut.ac.cy/faculties/gem/est/staff/ioannis.vyrides/</p>	Trainer
8	<p>Charis Samanides</p> 	<p>Mr Charis G. Samanides was born in Limassol, Cyprus and is a scientific associate in the Department of Environmental Science and Technology of the Cyprus University of Technology. Chari's research interests include environmental engineering, cultivation and isolation of bacteria, environmental sustainability, production of high value products - chemicals, bio-fuels, carbon dioxide utilization, anaerobic fermentation and the development of methodologies for measurements using GC-TCD, GC-FID, HPLC and X-RD.</p> <p>Charis began his studies (B.Sc.) at the Aristotle University of Thessaloniki at the Faculty of Science – School of Geology at the Department of Mineralogy-Petrology and Economic Geology.</p> <p>He continued his education (M.Sc.) at the Eastern Macedonia and Thrace Institute of Technology (School of Engineering Technology) in the Department of Petroleum & Natural Gas Technology and following an interview carried out by Professor E.F. Vansant (Material Science Lab) has been included in the research team at Hephaestus Advance Laboratory (SPE International – Kavala Section). His second master degree (under</p>	Trainer/Mentor

		<p>evaluation) is in the Environmental Conservation and Management at the Faculty of Pure and Applied Sciences of the Open University of Cyprus and his specialization is in the Environmental Protection - Energy and Pollution. Now, he is a PhD candidate and continues his research at the environmental engineering Lab of the Cyprus University of Technology. He is awarded with «Prize of ETHOS» He is a member of SPE, ETEK, GEOTEE and Cyprus Association of Geologists and Mining Engineers.</p>	
9	<p>Maria Andronikou</p> 	<p>Maria Andronikou was born in Limassol, Cyprus and is a PhD Candidate in the Department of Environmental Science and Technology of the Cyprus University of Technology (CUT) under the supervision of Assistant Professor Dr Ioannis Vyrides. Her research interests are concentrated on the use of anaerobic microorganisms for the conversion of CO₂ into high value organic products, and biogas upgrading into natural gas and/or production of other high value-added products, which is also her doctorate thesis' subject.</p> <p>Maria holds a Bachelors' Degree in Physics from National and Kapodistrian University of Athens_(2005). She also completed her 2nd Bachelor's Degree in Environmental Science and Technology at Cyprus University of Technology in 2016 graduating with the 2nd Best Performance award and obtained her Masters' Degree in Energy Resource Management from Cyprus University of Technology in 2018.</p>	Trainer/Mentor
10	<p>Nikolaos Xekoukoulotakis</p> 	<p>Assistant Professor Dr Nikolaos Xekoukoulotakis (male) is the director of the Laboratory of Environmental Organic Chemistry at the School of Environmental Engineering of the Technical University of Crete (TUC), Chania, Greece. He holds a Bachelor's degree in Chemisry (1995) and a PhD degree in Organic Chemistry (2001), both obtained from the Aristotle University of Thessaloniki, Greece. From 2002 until 2009 he worked as a postdoctoral researcher at TUC, at the Department of Mineral Resources Engineering (2002-2004), and Environmental Engineering (2005-2009). Moreover, from September 2010 until March 2011 he was a Visiting Assistant Professor at the Department of Civil and Environmental Engineering at the University of Cyprus (Nicosia, Cyprus), while in April 2011 he was appointed Assistant Professor at the Department of Environmental Engineering at TUC. His research interests are in the field of water pollution and environmental clean-up with an emphasis in water and wastewater treatment using several advanced treatment processes, such as adsorption onto novel carbon materials, UVC/H₂O₂, UVC/persulfate, photocatalysis, ozonation, sonolysis, sono-photocatalysis, and electrochemical oxidation, for the removal of various pollutants of emerging concern, including pharmaceutical compounds, in the aqueous</p>	Trainer/Mentor

		<p>phase. He has participated in several national and international research projects on the degradation of contaminants of emerging concern, including pharmaceutical compounds, in the aqueous phase and on the disinfection of water and wastewater, as well as on the synthesis of novel carbon-based TiO₂ photocatalysts for the degradation of residual pharmaceutical compounds in the aqueous phase. Moreover, he has a strong background on several analytical techniques for the detection and identification of organic pollutants, including pharmaceutical compounds, in the aqueous phase, as well as for the identification of their transformation products after advanced treatment, including high performance liquid chromatography (HPLC) coupled with absorption, fluorescence and mass spectrometry detection, as well as FT-IR and NMR spectroscopy. Since 2011 he has supervised 25 undergraduate, 10 Master and 2 PhD theses at the School of Environmental Engineering at the TUC. He has reviewed more than 80 papers in 25 journals, and since December 2012 he is associate editor in Water Science and Technology (published by the International Water Association, IWA). He has published 48 papers in international scientific conferences and 48 articles in peer-reviewed scientific journals (average impact factor 2.8), and he has over 2800 hetero-citations (Scopus h-index = 28).</p> <p>More information can be found here: https://www.enveng.tuc.gr/en/personnel/faculty/nikolaos-xekoukoulotakis/</p>	
11	<p>Konstantinos Komnitsas</p> 	<p>Prof. Konstantinos Komnitsas, 1961, holds a PhD degree in Hydrometallurgy and is the director of the Laboratories (i) Waste Management and Soil Decontamination, (ii) Ceramics and Glass Technology and (iii) Ore Beneficiation, of the School of Mineral Resources Engineering of Technical University Crete. He is expert in the fields of metallurgy, hydro- and bio-hydrometallurgy, waste management and valorization, new materials, soil decontamination, environmental risk assessment and LCA studies. Prof. Komnitsas has been appointed as national representative by the Greek General Secretariat of Research and Technology for research issues to the European Commission during the 6th Framework Programme (FP6) for the Action Integration and Strengthening of the European Research Area (2002-2004), for International Cooperation (2006-2009) and for the Action Societal Challenge 'Climate action, environment, resource efficiency and raw materials' (HORIZON 2020) (2013-today). Prof. Komnitsas has been also appointed so far more than 70 times as evaluator of research proposals for the European Commission and National Research Foundations of several countries including US, Russia, Switzerland, Italy, Romania, Kazakhstan, Cyprus, Poland, Armenia, Serbia etc. He is member of the editorial board of three peer-reviewed</p>	Trainer/Mentor

		<p>international journals. He has implemented more than 60 research projects (as coordinator and partner) funded by national public and private authorities as well as the European Commission, including FP4-FP7, Life and H2020. He has published more than 100 papers in peer-reviewed journals and presented more than 150 in international conferences.</p> <p>More information can be found here: https://www.mred.tuc.gr/index.php?id=4250</p>	
--	--	--	--