

## AGM 2020/2021 - Candidates' Profiles



**Bonnie Attard** is a warranted Engineer. She graduated from the University of Malta as a mechanical engineer in 2012 further obtaining a Masters Degree in Engineering in 2014. After this she joined Baxter Malta as a R&D engineer working on the implementation and validation of new manufacturing processes and design for thermoplastic and elastomeric products. Following this experience, she then worked as a Systems Engineer with the Institute of Sustainable Energy at the University of Malta being involved in the installation, commissioning and maintenance of the newly built Solar Research Facilities.

In 2017, Bonnie started a PhD with the University of Birmingham working on 3D metal printing of materials used in jet engines. During this time, she also worked on various side-projects in conjunction with Rolls Royce. Her work in materials engineering led to multiple publications related to both surface engineering and additive manufacturing. Currently, she is working as an assistant lecturer with the Department of Metallurgy and Materials Engineering at the University of Malta. Bonnie is introducing herself as a novel candidate to the CoE committee. Her vision is to reinforce the connection between the CoE and the professional engineering community to further foster cooperation between members, encourage and guide aspiring engineers towards the profession and work with the community to improve the overall discernment and acknowledgment of the profession.



**Denise Baldacchino** received her Bachelors in Electrical and Electronic Engineering from the University of Malta in 2017. After presenting her undergraduate dissertation, 'Attitude Control of a Pico-Satellite', Denise presented the publication 'Review and Feasibility of Active Attitude Control and Detumbling for the UoMBSat-1 PocketQube Pico-Satellite' at the MED2017 conference, in July 2017. Following graduation, Denise worked for over a year as a Lift Inspection Engineer with TVI services. She is now an Innovation

Engineer at Toly Products Ltd. In her role, along with the rest of the Innovation team, she is responsible for the development of blue-sky product development for both internal and external projects.

During her working career, Denise also spent six months working as a part-time researcher within the RIDE+SAFE team at the University of Malta in collaboration with MCST and WKD Works Ltd. Activism and representation have always been close to her heart. Throughout her years at University, she was actively involved in representing engineering students in the faculty-based student body, UESA. Taking the role as Industrial officer in her first year, Denise actively rose to Secretary General, and then finally President during her third year.

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**Robert Busuttil** is a Mechanical Engineer who has worked in different industrial establishments ranging from automotive to logistics and oil and gas both locally and internationally. During his career he has occupied both middle and senior management functions focusing mostly on commercialisation and business development activities. He is currently co-founder and director of a small engineering firm specialising in industrial cleaning and oxidation protection technologies.

He is also active in the Chamber's Training Committee, and he would like to extend his contribution in the following fields:

- Strengthening the Chamber's position as the leading non-governmental organisation for all engineering professionals.
  - Strengthening the culture of collaboration amongst engineering professionals and exposing the local professionals to new technologies and best practices.
  - Strengthening the culture of "sustainability" and "ethical" conduct at all professional levels.
  - Support the promotion of "The Engineering Profession" amongst students.
  - Support young engineers in developing baseline "commercial & business" skills.
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**Claire Grima** graduated with a Bachelor Degree from the University of Malta in Electrical and Electronics Engineering in 2019. Her undergraduate dissertation studied and simulated the effect PV Systems have on the power quality of the national distribution grid. Also, this work included suggestions on what can be done to mitigate the effects. This dissertation was awarded as the Best Electrical Engineering Project by IEEE Malta Section in 2019. In her University days, she was also part of UESA as an Education Officer, whereby she organised various seminars and activities, including the first ever Engineering Conference by UESA.

This conference brought 15 local companies offering student internships to undergrad engineering students and also around 10 UoM lecturers who discussed various engineering topics.

As a result of the above conference, she joined Methode Electronics Inc. whereby she worked as a Lab Engineering student, for 2 years. Currently she works there as a Quality Engineer and leads a team of 6 personnel. These experiences have enhanced her skill set, particularly the soft skills and managerial skills whereby she has the confidence, vision and empowering abilities to lead and influence others with her ideas. With these abilities, Claire, is able to work very well in a team whilst achieving the objectives of the Chamber of Engineers – mostly being closer to young students, being ahead of the game in engineering innovation whilst giving a lifetime contribution to the esteemed profession of engineering.



**Johan A. Psaila** is a warranted Mechanical Engineer. He graduated in mechanical engineering from the University of Malta in 2003 and holds a post graduate diploma in Building Services Engineering from the University of Brunel, UK. He attended several courses in the UK to further his knowledge in Fire Engineering & Fire Risk Assessments, Building Acoustics Measurement & Workplace Noise Risk Assessments, LPG (Liquefied Petroleum Gas) systems and Petrol Filling Stations construction. Johan is qualified to carry out risk assessments of LPG installations, fuel stations and liquid fuel secondary storages. He is also an Energy Auditor, Energy Performance Assessor of Buildings for

Dwellings & Commercial Premises and a registered air-conditioning and heating systems inspector in Malta.

Between 2003 and 2010 he worked as a building services engineer with a leading engineering consultancy carrying full design of various building services, fuel secondary storage installations and Petrol Filling Stations. From May 2010 till February 2015, Johan has occupied the position of Projects Engineering Executive with a building services contractor and a refrigeration company. Currently he is a freelance fire and building services engineering consultant at Ing. Johan A. Psaila & Associates and a Partner at JK Consulting Ltd.- a Health & Safety and Environmental Services Consultancy.

Johan was elected on the executive council of the Chamber of Engineers (COE) in 2011 as the International Affairs Secretary and re-elected to the same position in 2013. In 2014, he was appointed as Treasurer of the COE until 2020, and currently he is the Education and Training Secretary. Furthermore, he is currently the COE representative on the Building Regulation Board (BRB) and on the Advisory Board and Building Regulations sub-committee of the Building Industry Consultative Council (BICC).



**David Scicluna Giusti** is a warranted Electrical Engineer who graduated from the University of Malta in 2001. He started his career within the research and development team of a local automotive electronics manufacturing company. He then joined a local building services consultant where he gained valuable experience in electrical installations ranging from medium voltage to extra low voltage systems. David is now employed as Chief Technical Officer with a local electrical supplies company and is responsible for major projects.

He was also temporarily relocated to Libya to set up an office in Tripoli to serve the Libyan hospitality and oil & gas market. David has served on the Chamber of Engineers executive council during the past year as activities secretary and would like to further contribute to the Engineering profession.

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**Christian Spiteri** is a warranted Engineer. He graduated from the University of Malta in 2011 and obtained a master's degree by research from the same University in 2013 specializing in Advanced Manufacturing Techniques. He is currently working on the Malta to Italy gas pipeline project with Melita TransGas, an entity that falls under the remit of the Ministry for Energy, Enterprise and Sustainable Development. He is mainly involved in the technical aspect of this project which entails the design of a gas transportation system with the purpose being to create a permanent connection between the Maltese islands and the European Gas grid.

Prior to moving to the public sector, Christian was employed as a principal engineer responsible of a team of engineers at Baxter Malta. He was involved in the development of new medical products to launch to the market whilst also supporting other activities required to sustain existing products which are already in the field. Throughout his studies at the University of Malta, Christian also engaged in several different student engineering experiences including stints at Lufthansa Technik Malta, Abertax and Malta Enterprise.

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**Alex Tanti** graduated from the University of Malta in 2019 with a Bachelor of Engineering (Honours) in Mechanical Engineering. During his time at the University of Malta, he served as Student Representative on the Chamber of Engineers council for two terms. In the meantime, he had an active role in UESA, where he was Industrial officer between 2015 and 2016, and President of the organisation between 2016 and 2017. Alex is currently reading for a Master of Science in Sustainable Energy. After graduating, Alex worked for a year as a Junior Project Engineer with a local building services contractor.

In August 2020, Alex joined the Institute for Sustainable Energy within the University of Malta as a Research Support Officer, where he is involved in the design and testing of a modular photovoltaic and insulation solution for flat roofs. In May 2020, Alex was co-opted to the Executive Committee of the Chamber of Engineers as Funding Secretary.

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**Malcolm Zammit** is a warranted Mechanical Engineer who graduated from the University of Malta in 2013. Thereafter, he has been employed with Baxter where he presently holds the position of Principal R&D Engineer. He is responsible to execute product lifecycle development projects, manage engineering teams and perform as product design owner.

Malcolm carries significant experience in the representation of colleagues in the profession. During his student years, he was active in UESA (2010-2013), the Faculty Board of the Faculty of Engineering (2011- 2013) and on the council of KSU (2013-2014). After gaining some experience in industry, in 2019 he was elected to the executive council of the Chamber of Engineers and has since been serving as General Secretary.

During his first experience on council, Malcolm has worked closely with the President and Council Members to continue advancing the engineering profession, to consolidate the good and to address areas of improvement. He is being proposed for another term on council to ensure the fellow engineer remains strongly represented and respected, to improve membership and links with our professional network, to improve the organisation's sustainability and to drive forward the attractiveness and recognition of our profession.

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