

Professor Ruben Paul Borg

BE&A(Hons)(Melit), Spec.Struct.Eng(Milan), PhD(Sheffield),
Eurlng, CEng, MICE, CEnv, FICT, MCS, MACSE, A&CE, Perit

Professor of Materials and Structural Engineering at the University of Malta

UM Profile <https://www.um.edu.mt/profile/rubenpborg>

ORCID <https://orcid.org/0000-0002-5298-4609>

Professor Ruben Paul Borg is a Structural & Materials Engineer and Academic at the University of Malta. He is a Fulbright Scholar & Visiting Academic at the University of Missouri S&T USA.

Prof. Borg is Adjunct Professor at the Vellore Institute of Technology India and Visiting Academic in key European Academic Institutions.

Prof. Borg has been appointed Director of the Climate Action Authority in Malta. He was elected member of the Board of Directors of iiSBE (International Initiative for a Sustainable Built Environment) and founded SBE Malta (Sustainable Built Environment Malta) as national chapter. He was appointed Chairman of ECCE (European Council of Civil Engineers) for Knowledge and Technology and Representative of the Institution of Civil Engineers (UK). Prof. Borg is active in fib (International Federation for Structural Concrete) appointed convener of TG7.8 and RILEM (International Union of Laboratories and Experts in Construction Materials, Systems and Structures) scientific committees. Prof. Borg was appointed expert on the European Committee for Standardization CEN TC350 Sustainability of Construction Works. He served as Board Member of the Executive Committee and Member of the Administrative Board of BICC Building Industry Consultative Council (Government of Malta) and Chairman of the Research and Innovation Committee. He is Coordinator of the Industrial Heritage Platform and Member of the Committee for Sustainability at the University of Malta.

Prof Borg was appointed Principal Investigator on International Research Projects including the Horizon 2020 ReSHEALience Ultra High Durability Concrete, Horizon Europe SINCERE Renovation of Cultural Heritage and NBSINFRA Nature Based Solutions in Infrastructure, Interreg Med CESBA Med Project in Sustainable Building, Interreg Med ReMED Sustainable Buildings, CABARET Resilience in the Built Environment, ANDROID Disaster Resilience, Deconstruction and Recycling of Construction Waste Project and BEACON Built Environment learning for Climate Adaptation, RECP and ReCON in Recycled Materials, 3DConcrete and SMACORT in 3D printing of Concrete and DIHICS in Digital Technologies & Concrete Structures. He served on the Management Committee of various European Research projects in Sustainability of Construction and Resilience.

Prof. Borg is on the Editorial Board of the Scopus Indexed International Journal on Advanced Science, Engineering and Information Technology and the Journal of Sustainable Architecture and Civil Engineering. His main research is in Materials Science and Engineering, Cement based materials, recycling of waste and industrial by-products, Reinforced Concrete Structures, Civil and Structural Engineering, Durability assessment and repair of structures and Industrial Heritage.

Prof. Borg is active in structural and civil engineering and led various engineering design and construction projects including the Sustainable Development Centre (Malta), which was awarded the International Energy Globe Award 2013; the Reinforced Concrete Water Tower awarded the Prix d'Honneur in Restoration & Judge CCurren Award, and International Energy

Globe Award in 2022; the Wildlife Rehabilitation Centre and Nature Park awarded the Prix d'Honneur in Restoration by Din I-Art Helwa and the International Energy Globe Award in 2024.

Main research Interests:

Materials Science and Engineering, Cement based materials, recycling of waste and industrial by-products, Reinforced Concrete Structures, Civil and Structural Engineering, Durability assessment and repair of structures and Industrial Heritage.