

MCAST SENIOR LECTURER DR LEONARDO BARILARO SHOWCASES INNOVATIVE PROJECTS AT IAC 2023 IN BAKU



MCAST announces the participation of Dr Leonardo Barilaro, Senior Lecturer in Aerospace Engineering, at the prestigious 74th International Astronautical Congress (IAC) held in Baku, Azerbaijan. The IAC 2023, with over 5000 participants from across the globe, served as a significant platform for pioneering ideas and collaborations in the field of space technology and exploration.

At IAC 2023, Dr Barilaro represented MCAST, presenting as P.I. the paper titled "An overview on Smart Ballistic Optimization for Repairing of Aerospace Exostructures using 3D printed Kevlar". This innovative project, developed in collaboration with CISAS – University of Padova (Italy), South East Technical University (SETU) in Ireland and Skyup Academy (Italy), explores innovative methods for the ballistic optimization and repairing of aerospace structures utilizing 3D printed Kevlar shields. The research, conducted under the SBORAEK (R&I-2022-002L) project, funded by the Malta Council for Science & Technology, demonstrated a significant commitment of MCAST in developing aerospace technology.

Moreover, Dr Barilaro showcased his innovative project "Music from Space" during the session on "Contemporary Arts Practice and Outer Space". This project highlighted advancements in space music and shared experiences from the Maleth 2 and Maleth 3 missions led by Prof Joseph Borg of the University of Malta.

The 74th International Astronautical Congress served as a convergence point for the global space community, fostering collaborations and discussions vital for the advancement of space exploration. The event brought together experts, industry leaders, and researchers, facilitating knowledge exchange and promoting international cooperation in the realm of space science and technology. The collaboration and innovation showcased at this event echo the core values of MCAST and reaffirm the commitment to pushing the boundaries of knowledge and exploration.

