The Unmanned Systems Research Laboratory (USRL) –

Tailor-Made Unmanned Aerial Systems (UAS)

Christos Keleshis

Department of Electrical and Computer Engineering
School of Engineering
University of Cyprus

Wednesday, 4 of October 2023, 17:00-18:00

Room: XOD 02 (In the basement) – **B 107**

Location: https://goo.gl/maps/fNWanm9Gk3PL5XTu7

Abstract: USRL is currently the largest drone facility in Cyprus. It was established in 2010, as a national-grade infrastructure. It is comprised of an experienced multi-disciplinary team which includes pilots, mechanical/electronic engineers, composite aircraft developers, and software developers. The USRL designs, develops and operates bespoke UAS for demanding applications in diverse environments. The latest high TRL developments include end-to-end unmanned solutions which consist of high performance airframes, and an intelligent flight control and payload interface. The special software and firmware are internally developed in their entirety, providing enhanced compatibility with sensors and payload, and bearing zero dependence on third parties.

Biography: Dr. Christos Keleshis has a PhD in Electrical Engineering from the State University of New York at Buffalo (2009). His doctoral dissertation was on Automated High Resolution, Micro-Angiographic Fluoroscopy Medical Systems funded by the Toshiba Stroke Research Center where he developed hardware and software for the automation of x-ray medical systems. Since 2009 he leads the Research and Development activities of the Unmanned Systems Research Laboratory (USRL) of the Cyprus Institute, currently as a R&D Scientist and Head of Operations. Christos, a key founder of the USRL has expertise in various types and sizes of Unmanned Aerial Systems (UAS) and their related technology, such as flight controllers, data acquisition, telecommunication systems, imagers and other sensors; utilizing them towards the development of tailor-made, high-performance unmanned technology.