

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
In Orbit: Postgraduate Space Education (4)

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SUSTAINABILITY IN AND FROM SPACE: EXPERIENCE FROM THE 1ST SPACE
ARCHITECTURE EMBA

Abstract

Whether in space or in earth, whether economic, environmental, programmatic or risk mitigation, sustainability is a key word both on Earth and in Outer space. The new dynamic of space activities (from democratisation of space to so called new space, from a new moon race to private space stations up to a potential in-space economy) drives the definition and implementation of new programmes, supporting the birth and development of new actors. The space ecosystem is growing and this calls for a suitably trained workforce, both in number and in multidisciplinary and soft skills. In this context, the Academy for Continuing Education of the TU Wien has launched an Executive MBA on Space Architecture. Under the motto “Build and Shape space on and off Earth” the Space Architecture EMBA aims at proving a multidisciplinary and interdisciplinary approach to space activities and their relation to terrestrial societies, with a focus on sustainability from all the different angles. The paper will present the vision underpinning its conception and the thinking that went into designing the EMBA as well as the link of the Space Architecture with the other Executive programmes of the TU Wien. It will dwell on the challenges and will relate the experience after the first 4 modules of the first year. It will also present the profile of the participants and will draw an initial conclusions from this first experience.