SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
New Worlds - Innovative Space Education and Outreach (7)

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VISION 2040: EVOLVING THE SUCCESSFUL INTERNATIONAL SPACE UNIVERSITY DECADES INTO THE FUTURE

Abstract

The future is bright with possibilities that the new frontier will become as fertile as the Internet for innovation and creativity and could propel human civilization permanently out into the solar system. The landscape of space exploration and development is rapidly changing. Disruptive technologies, emerging commercial industries and grassroots initiatives are enabling the development of new capabilities and markets in space. Entrepreneurs are finding support for business plans that would have been laughed at just a few years ago. Government support for routine delivery of cargo and crew to LEO is on the rise, allowing agencies and governments to focus on deeper space exploration. This fast-growing 'new space' sector may even eclipse government-sponsored programs in the coming decades.

This paper is the result of a team project conducted by participants from all over the world who attended the International Space University's (ISU) Space Studies Program (SSP) 2015 held at the Ohio University in Athens, Ohio. Over its last 28 years, ISU has been a successful catalyst for space partnerships and entrepreneurism. The study examined these trends in major areas driving space exploration and development in order to construct multiple 'Visions' of what the year 2040 could look like. The future form of education and associated technologies were assessed and evaluated against the goals of the University. Based on their serious look into the future the team recommends strategic actions that ISU and other universities should implement to better prepare their students for the future world landscape. This paper describes the multiple visions, describes assumptions about future educational practices and reviews the recommendations made by the team.