

16th IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE EXPLORATION AND
DEVELOPMENT (D3)Strategies & Architectures as the Framework for Future Building Blocks in Space Exploration and
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Y-ISEF: A NEW BUILDING BLOCK FOR ENABLING THE FUTURE OF SPACE EXPLORATION

Abstract

The International Space Exploration Forum (ISEF) is a unique forum which has been organized as a ministerial-level conference. The first one was held in January 2014 in Washington D.C., and the second one was concluded on March 3, 2018, in Tokyo. While the high-level governmental representatives gathered for ISEF2 to build support for global cooperation in the peaceful exploration of outer space, the Y-ISEF, or ISEF2 for Young Professionals, was additionally organized with a focus on forming a young professional community from both space and non-space fields, to form future global leaders for the next generation of space exploration. Since the Y-ISEF is not intended just to be a single-shot event associated with the ISEF2, this paper will review the entire process of organization, preparation as well as the results and impacts of Y-ISEF, and share prospects emanated from this experience to further expand the space exploration endeavour. In the Y-ISEF, a total of 80 young professionals with various backgrounds from over 25 countries worked in teams for two and a half months prior to the ISEF2 to create innovative ideas of future space exploration. The winning team was granted a chance to present their concept at the industry day called I-ISEF as well as at the ISEF2 ministerial conference.