

Interactive Presentations (IP)
Topic 7 - Interactive Presentations (7)

Author: Ms. Heyam Alblooshi
United Arab Emirates Space Agency, United Arab Emirates, h.alblooshi@space.gov.ae

BUILDING AN ASSEMBLY INTEGRATION AND TESTING (AI&T) FACILITIES AT THE NATIONAL SPACE SCIENCE AND TECHNOLOGY CENTER (NSSTC) AT UNITED ARAB EMIRATES UNIVERSITY (UAE U) IN AL AIN, UNITED ARAB EMIRATES (UAE).

Abstract

Assembly, integration and testing of satellite is one of the major and important phases that any space mission undergo. The process could take from months to years based on various factors such as, size of the spacecraft, project's budget and schedule. In an innovative step, the UAE Space Agency decided to support building a state of the art, top-notch AIT facilities at one of the research center in the country. This paper will introduce the currently built AIT facilities and highlights the selection process methodology in selecting the equipment to be used. In addition, the role of having a space agency in the country to facilitate the process. The paper will cover in details the future capabilities of this facilities and it's importance in creating and an ecosystem for Space projects in the country and the region. Furthermore, the role of young professional in this multimillion project would be highlighted and their affective contribution.