

1. Record Nr.	UNINA9910254342703321
Titolo	Space Operations: Contributions from the Global Community // edited by Craig Cruzen, Michael Schmidhuber, Young H. Lee, Bangyeop Kim
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-51941-7
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XXIX, 718 p. 342 illus., 334 illus. in color.)
Disciplina	629.1
Soggetti	Aerospace engineering Astronautics Aerospace Technology and Astronautics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Space mission design and management -- Ground system design and operation -- Space mission operations.
Sommario/riassunto	This book includes a selection of 30 reviewed and enhanced manuscripts published during the 14th SpaceOps Conference held in May 2016 in Daejeon, South Korea. The selection was driven by their quality and relevance to the space operations community. The papers represent a cross-section of three main subject areas: · Mission Management – management tasks for designing, preparing and operating a particular mission. · Spacecraft Operations – preparation and implementation of all activities to operate a space vehicle (crewed and uncrewed) under all conditions. · Ground Operations – preparation, qualification, and operations of a mission dedicated ground segment and appropriate infrastructure including antennas, control centers, and communication means and interfaces. This book promotes the SpaceOps Committee's mission to foster the technical interchange on all aspects of space mission operations and ground data systems while promoting and maintaining an international community of space operations experts.