

1. Record Nr.	UNINA9910380737803321
Titolo	Proceedings of the International Conference on Aerospace System Science and Engineering 2019 // edited by Zhongliang Jing
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-1773-8
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (VII, 374 p. 229 illus., 178 illus. in color.)
Collana	Lecture Notes in Electrical Engineering, , 1876-1100 ; ; 622
Disciplina	629.1
Soggetti	Space sciences Aerospace engineering Astronautics Control engineering Vibration Dynamical systems Dynamics Engineering design Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Aerospace Technology and Astronautics Control and Systems Theory Vibration, Dynamical Systems, Control Engineering Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Trans-space vehicle systems design and integration -- Air vehicle systems -- Space vehicle systems -- Near-space vehicle systems -- Aerospace robotics and unmanned system -- Communication, navigation and surveillance -- Aerodynamics and aircraft design -- Dynamics and control -- Aerospace propulsion -- Avionics system -- Opto-electronic system -- Air traffic management -- Earth observation -- Deep space exploration -- Bionic micro-aircraft/spacecraft -- Intelligent sensing and Information fusion.
Sommario/riassunto	This book presents the proceedings of the International Conference on

Aerospace System Science and Engineering (ICASSE 2019), held in Toronto, Canada, on July 30–August 1, 2019, and jointly organized by the University of Toronto Institute for Aerospace Studies (UTIAS) and the Shanghai Jiao Tong University School of Aeronautics and Astronautics. ICASSE 2019 provided a forum that brought together experts on aeronautics and astronautics to share new ideas and findings. These proceedings present high-quality contributions in the areas of aerospace system science and engineering, including topics such as trans-space vehicle system design and integration, air vehicle systems, space vehicle systems, near-space vehicle systems, aerospace robotics and unmanned systems, communication, navigation and surveillance, aerodynamics and aircraft design, dynamics and control, aerospace propulsion, avionics systems, optoelectronic systems, and air traffic management.
