Recolu NI.	UNINA9910254616203321
Titolo	Astrodynamics Network AstroNet-II : The Final Conference / / edited by Gerard Gómez, Josep J. Masdemont
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-23986-4
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XVIII, 325 p. 180 illus., 159 illus. in color.)
Collana	Astrophysics and Space Science Proceedings, , 1570-6591 ; ; 44
Disciplina	629.41
Soggetti	Space sciences
	Aerospace engineering
	Astronautics
	Dynamics Francis theory
	Space Sciences (including Extraterrestrial Physics, Space Exploration
	and Astronautics)
	Aerospace Technology and Astronautics
	Dynamical Systems and Ergodic Theory
Lingua di pubblicazione	Dynamical Systems and Ergodic Theory Inglese
Lingua di pubblicazione Formato	Dynamical Systems and Ergodic Theory Inglese Materiale a stampa
Lingua di pubblicazione Formato Livello bibliografico	Dynamical Systems and Ergodic Theory Inglese Materiale a stampa Monografia
Lingua di pubblicazione Formato Livello bibliografico Nota di bibliografia	Dynamical Systems and Ergodic Theory Inglese Materiale a stampa Monografia Includes bibliographical references at the end of each chapters.

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	Earth–Moon collinear libration points The Trojan problem from a Hamiltonian perturbative perspectiveOn distributed control strategies for spacecraft formation flying Formation flying guidance for space debris observation, manipulation and capture Low thrust relative motion control of satellite formations in deep space Efficient modelling of small bodies gravitational potential for autonomous proximity operations Sun-Earth L1 and L2 to Moon transfers exploiting natural dynamics An introduction to differential algebra and the differential algebra manifold representation Identification of new orbits to enable future missions for the exploration of the Martian moon Phobos.
Sommario/riassunto	These are the proceedings of the "AstroNet-II International Final Conference". This conference was one of the last milestones of the Marie-Curie Research Training Network on Astrodynamics "AstroNet- II", that has been funded by the European Commission under the Seventh Framework Programme. The aim of the conference, and thus this book, is to communicate work on astrodynamics problems to an international and specialised audience. The results are presented by both members of the network and invited specialists. The topics include: trajectory design and control, attitude control, structural flexibility of spacecraft and formation flying. The book addresses a readership across the traditional boundaries between mathematics, engineering and industry by offering an interdisciplinary and multisectorial overview of the field.