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Collana	Bolyai Society Mathematical Studies, , 2947-9460 ; ; 26
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Lingua di pubblicazione	
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Mathematical contributions from V.I. Arnold Topological methods in 3-dimensional contact geometry A short introduction to Fukaya categories Open books and Lefschetz pencils in contact geometry Introduction to contact topology in higher dimensions Bordered Heegaard Floer homology Stein structures: existence and flexibility Embedded contact homology, cobordism maps, and applications Knot contact homology and applications.
Sommario/riassunto	Symplectic and contact geometry naturally emerged from the mathematical description of classical physics. The discovery of new rigidity phenomena and properties satisfied by these geometric structures launched a new research field worldwide. The intense activity of many European research groups in this field is reflected by the ESF Research Networking Programme "Contact And Symplectic Topology" (CAST). The lectures of the Summer School in Nantes (June 2011) and of the CAST Summer School in Budapest (July 2012) provide a nice panorama of many aspects of the present status of contact and symplectic topology. The notes of the minicourses offer a gentle introduction to topics which have developed in an amazing speed in the recent past. These topics include 3-dimensional and higher dimensional contact topology, Fukaya categories, asymptotically

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holomorphic methods in contact topology, bordered Floer homology, embedded contact homology, and flexibility results for Stein manifolds.