

1. Record Nr.	UNINA9910438091503321
Titolo	Cooperative research centers and technical innovation : government policies, industry strategies, and organizational dynamics / / Craig Boardman, Denis O. Gray, Drew Rivers, editors
Pubbl/distr/stampa	New York, : Springer, 2013
ISBN	1-283-62402-8 9786613936479 1-4614-4388-1
Descrizione fisica	1 online resource (336 p.)
Altri autori (Persone)	BoardmanCraig GrayDenis O RiversDrew
Disciplina	370.72
Soggetti	Technological innovations - Research Research institutes
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Introduction -- pt. 2. Industry and cooperative research centers -- pt. 3. Universities and cooperative research centers -- pt. 4. Leadership in cooperative research centers -- pt. 5. Government and cooperative research centers -- pt. 6. International practice and cooperative research centers -- pt. 7. Conclusion.
Sommario/riassunto	At a time when scientific and technical innovation now requires a multitude of heterogeneous inputs and expertise from the public and private sectors alike, cooperative research centers (CRCs) have emerged as the predominant vehicle for cross-sector collaboration. In the U.S. alone, there are thousands of CRCs on university campuses, and agencies like the National Science Foundation, National Institutes of Health, Department of Defense, and more recently the Department of Energy fund CRCs to address some of the nation's most formidable challenges with science and technology, including cancer and other diseases, terrorism surveillance and the detection of weapons of mass destruction, and new energy technologies and smart energy grid development. Industry oftentimes participates in CRCs for access to

knowledge, capacity development, and to mitigate risk. This volume includes research investigating CRCs from North America, Europe, Australia, and Asia to explore the dynamics of CRCs, including but not limited to resource allocation, structure, level of sponsorship, organization and membership, management and operations, objectives and goals, and in doing so identifies both differences and similarities across institutional and national contexts. The volume sheds light on the role of CRCs in promoting innovation, S&T policy, and economic development, and on the practical aspects of successful CRC management. Moreover, the works included in the volume consider the implications for the various stakeholder groups (firms, universities, researchers, students, policymakers) invested in CRCs.
