1. Record Nr. UNINA9910457210803321

Titolo	Success stories in satellite systems [[electronic resource] /] / edited by D.K. Sachdev
Pubbl/distr/stampa	Reston, Va., : American Institute of Aeronautics and Astronautics, c2009
ISBN	1-56347-967-2 1-56347-968-0
Descrizione fisica	1 online resource (449 p.)
Collana	Library of flight
Altri autori (Persone)	SachdevD. K
Disciplina	629.43/4
Soggetti	Artificial satellites - History Electronic books.
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	Overview / D.K. Sachdev -- Syncom : world's first geostationary satellite / Harold A. Rosen -- Intelsat / Conny Kullman -- Telesat : the first domestic satellite system / Harry Kowalik -- INMARSAT : a success story / Ahmad F. Ghais -- Thuraya mobile satellite system / Ali Saeed Al Mazrooei and Adrian J. Morris -- EUTELSAT : an impressive success / Giuliano Berretta -- The mouse that roared : via LuxSat and GDL, how SES built ASTRA into the world's preeminent satellite operator / Yves Feltes -- The success story of JSAT / Yutaka Nagai with Taketo Furuhata ... [et al.] -- INSAT initiates communication revolution / U.R. Rao and A. Bhaskaranarayana -- The DBS dimension : how U.S. DBS success was achieved / Jimmy Schaeffler and Lloyd Covens -- Global Positioning System : origins, early concepts, development, and design success / Keith D. McDonald -- XM satellite radio--the first ten years : a trifecta of technology, product, and market / John F. Dealy -- INTELSAT VI (F-3) reboost mission : an epochal event in the history of the commercial space industry / Leonard R. Dest -- Earth stations : from very big to very small / Mark Dankberg -- DARPA's space history / Owen Brown, Fred Kennedy, and Wade Pulliam -- Potential success stories in the future / D.K. Sachdev.

2. Record Nr. UNISALENTO991002155429707536

Titolo	The many facets of graph theory [e-book] : proceedings of the conference held at Western Michigan university, Kalamazoo / MI., October 31 – November 2, 1968 / edited by G. Chartrand, S. F. Kapoor
Pubbl/distr/stampa	Berlin : Springer, 1969
ISBN	9783540361619
Descrizione fisica	1 online resource (viii, 292 p.)
Collana	Lecture Notes in Mathematics, 0075-8434 ; 110
Altri autori (Persone)	Chartrand, G. Kapoor, S. F.
Disciplina	510
Soggetti	Mathematics
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia

3.

Record Nr.	UNINA9910298591403321
Autore	Bachiller Perea Diana
Titolo	Ion-Irradiation-Induced Damage in Nuclear Materials : Case Study of a-SiO and MgO / / by Diana Bachiller Perea
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-030-00407-4
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (191 pages)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5053
Disciplina	621.4833
Soggetti	Materials science Energy systems Nuclear fusion Nuclear energy Characterization and Evaluation of Materials Energy Systems Nuclear Fusion Nuclear Energy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Part I Materials and Methods -- Studied Materials: a-SiO2 and MgO -- Ion-Solid Interactions and Ion Beam Modication of Materials -- Experimental Facilities -- Experimental Characterization Techniques -- Part II Ion Beam Induced Luminescence in Amorphous Silica -- General Features of the Ion Beam Induced Luminescence in Amorphous Silica -- Ionoluminescence in Silica: Role of the Silanol Group Content and the Ion Stopping Power -- Exciton Mechanisms and Modeling of the Ionoluminescence in Silica -- Part III Ion-Irradiation Damage in MgO -- MgO under Ion Irradiation at High Temperatures -- Ion Beam Induced Luminescence in MgO -- Conclusions and Prospects for the Future.
Sommario/riassunto	This thesis investigates the behavior of two candidate materials (a-SiO and MgO) for applications in fusion (e.g., the International Thermonuclear Experimental Reactor (ITER)) and Generation IV fission

reactors. Both parts of the thesis – the development of the ionoluminescence technique and the study of the ion-irradiation effects on both materials – are highly relevant for the fields of the ion-beam analysis techniques and irradiation damage in materials. The research presented determines the microstructural changes at different length scales in these materials under ion irradiation. In particular, it studies the effect of the irradiation temperature using several advanced characterization techniques. It also provides much-needed insights into the use of these materials at elevated temperatures. Further, it discusses the development of the ion-beam-induced luminescence technique in different research facilities around the globe, a powerful in situ spectroscopic characterization method that until now was little known. Thanks to its relevance, rigorosity and quality, this thesis has received two prestigious awards in Spain and France. .