

1. Record Nr.	UNINA9910983385803321
Autore	Agnihotri Arvind Kumar
Titolo	Sustainable Infrastructures : Proceedings of EGRWSE-23, Volume 3 / / edited by Arvind Kumar Agnihotri, Krishna R. Reddy, Ajay Bansal
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	9789819783939 9819783933
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (310 pages)
Collana	Lecture Notes in Civil Engineering, , 2366-2565 ; ; 355
Altri autori (Persone)	ReddyKrishna R BansalAjay
Disciplina	624.15
Soggetti	Engineering geology Refuse and refuse disposal Sustainability Sustainable architecture Geoengineering Waste Management/Waste Technology Sustainable Architecture/Green Buildings
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book contains peer-reviewed and selected papers presented during the International Conference on Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering (EGRWSE) 2023, held at NIT Jalandhar. It discusses the recent innovations, trends, concerns, practical challenges encountered, and the solutions adopted in waste management and engineering, geotechnical and geoenvironmental engineering, infrastructure engineering and sustainable engineering. This book can serve as a useful resource for researchers, educators, policymakers, and professionals working in the field of civil engineering, chemical engineering, environmental sciences, and public policy. .

2. Record Nr.	UNINA9910866585203321
Autore	Schilizzi Richard T
Titolo	The Square Kilometre Array : A Science Mega-Project in the Making, 1990-2012 / / by Richard T. Schilizzi, Ronald D. Ekers, Peter E. Dewdney, Philip Crosby
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2024
ISBN	3-031-51374-6
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (645 pages)
Collana	Historical & Cultural Astronomy, , 2509-3118
Altri autori (Persone)	EkersRonald D DewdneyP. E (Peter E.) CrosbyPhilip
Disciplina	509
Soggetti	Physics - History Astronomy Cosmology History of Physics and Astronomy Astronomy, Observations and Techniques
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- Introduction -- Large Radio Telescopes and the Emergence of the SKA, 1957-1993 -- Evolution of the SKA Science Case -- Innovation meets Reality – The SKA design -- Global Collaboration on Science and Technology: The SKA Journey from "Grass-roots" to the World's Largest Radio Telescope -- Project Politics and Funding -- Site Selection -- Industry Engagement -- The SKA as a Mega-Science Project.
Sommario/riassunto	The Square Kilometre Array (SKA) is a grand vision project to build the most sensitive radio telescope in the world. This open access book tells the story of its development – a story of transformational science, innovative engineering, and global collaboration. Its journey has been long and complex, reflecting the many issues faced in creating an affordable design, choosing a site, and developing a viable global organisation starting from a simple working group of far-sighted and persistent astronomers in 1993. The book begins with the emergence

of the SKA concept and the first working group. It traces the development of global scientific and engineering collaborations and ever more comprehensive governance structures for the SKA, the involvement and roles of funding agencies and governments, and the long, political site selection process. This occurred alongside efforts to overcome technical barriers and the difficult process of selecting technology. It follows these themes up to the point in 2012 when the project had just transitioned from a collaboration to a legal entity and the dual site decision was made – a pivotal moment when it was clear the SKA arrays would be built. The book is based on the authors' personal experience at the leading edge of the project over many years, as well as access to hitherto unpublished material from project archives, interviews, and presentations from many of the key players at a specially convened conference. It has a Foreword written by John Womersley, former Chair of the Agencies SKA Group and SKA Organisation Board. The book is intended for an audience ranging from funding agencies and governments involved in major research infrastructures, to historians of science and professional researchers studying mega-projects, to the astronomy and physics communities in general and interested lay readers.
