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Titolo	Attributing excellence in medicine : the history of the Nobel Prize / / edited by Nils Hansson [and three others]
Pubbl/distr/stampa	Leiden ; ; Boston : , : Brill, , [2020] ©2020
ISBN	90-04-40642-5
Descrizione fisica	1 online resource
Collana	Clio Medica; ; volume98
Disciplina	001.44
Soggetti	Nobel Prizes Medicine - Awards Physiology - Awards
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (pages 204-206) and index.
Nota di contenuto	Front Matter -- Copyright Page -- Foreword -- Illustrations -- Notes on Contributors -- Introduction / Nils Hansson, Thorsten Halling and Heiner Fangerau -- The Award and Beyond -- Commemorating Excellence: The Nobel Prize and the Secular Religion of Science / Jacalyn Duffin -- More Than a Prize: The Creation of the Nobel System / Gustav Källstrand -- Hitler's Boycott: Cultural Politics and the Rhetoric of Neutrality / Sven Widmalm -- Laureates and Nominees -- From Global Recognition to Global Health: Antimicrobials and the Nobel Prize, 1901–2015 / Scott H. Podolsky -- Discovery or Reputation? Jacques Loeb and the Role of Nomination Networks / Heiner Fangerau, Thorsten Halling and Nils Hansson -- Defining 'Cutting-edge' Excellence: Awarding Nobel Prizes (or not) to Surgeons / Nils Hansson, David S. Jones and Thomas Schlich -- Reverberation and Commercialization -- John C. Eccles' Conversion and the Meaning of 'Authority' / Fabio De Sio, Nils Hansson and Ulrich Koppitz -- The Laureate in the Spotlight: Renato Dulbecco and the Public Image of Science / Massimiano Bucchi -- Nobel Prize Awarded Discoveries and Commercialization: The Role of the Laureates / Katarina Nordqvist and Pauline Mattsson -- Back Matter -- Index.
Sommario/riassunto	Attributing Excellence in Medicine discusses the aura around the

	prestigious Nobel Prize in Physiology or Medicine. It analyzes the social processes and contingent factors leading to recognition and reputation in science and medicine. This volume will help the reader to better understand the dynamics of the attribution of excellence throughout the 20th century. Contributors are Massimiano Bucchi, Fabio De Sio, Jacalyn Duffin, Heiner Fangerau, Thorsten Halling, Nils Hansson, David S. Jones, Gustav Källstrand, Ulrich Koppitz, Pauline Mattsson, Katarina Nordqvist, Scott H. Podolsky, Thomas Schlich, and Sven Widmalm.

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Autore	Petrovski Ivan G.
Titolo	The Ionosphere with GNSS SDR : Specialized Software-Defined Radio for In-Depth Ionospheric Research / / by Ivan G. Petrovski II
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2024
ISBN	9783031534430 9783031534416
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (294 pages)
Collana	Springer Atmospheric Sciences, , 2194-5225
Disciplina	551.5145
Soggetti	Physical geography Geology Plasma (Ionized gases) Earth System Sciences Plasma Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Part I Ionosphere and applications -- Ionosphere and practical applications -- Physics of the ionosphere. Effects of solar activity and Earth magnetic field -- Ionosphere effect on radio -- Ionosphere effect on GNSS -- Ionosphere effect and weather -- Ionosphere and earthquakes -- Unproved hypotheses related to ionosphere -- Part II Models -- Information derivable from ionospheric measurements -- TEC models -- Scintillation models -- Low frequency models -- Part III

Instruments -- Probes and ionometers -- Schumann receiver -- GNSS receiver. Receiver - pseudolite pair -- Ionospheric scintillation monitor -- Part VI Measurements -- Ground based measurements -- Network based measurements -- Airborne measurements -- Spaceborne measurements and occultation method -- Active measurements and upsetting effects -- Part V Case study: SDR ionospheric scintillation monitor. Ground based and airborne measurements -- TEC -- Scintillation effects -- Eclipse events -- Earthquake events.

Sommario/riassunto

This comprehensive volume navigates through the complexities of Earth's ionosphere and its intricate relationship with GNSS spread-spectrum signals. The book delineates the nuanced structures and dynamics of Earth's atmosphere, offering profound insights into signal propagation, including a meticulous analysis of various ionospheric models. Delving into the instruments of choice, it encapsulates the facets of the GNSS space segment, its theoretical background, and practical applications. The ground and user segments discussed provide readers with a deep understanding of satellite dynamics and navigation data. Further chapters explore the intricacies of GNSS Software Defined Radio (SDR), offering a detailed examination of signal acquisition and tracking, and presenting innovative approaches to baseband data application without data decoding. A significant portion is devoted to manufacturing front-end hardware, providing guidance from specifications to testing, enabling readers to navigate the world of hardware design with ease. Lastly, the book ventures into the applications of GNSS receivers for ionospheric study, highlighting the construction of advanced observables and their practical applications in navigation processors. This section also elucidates the role of multi-station observables in extracting critical ionospheric information. A pivotal resource for researchers and professionals alike, this book stands as a testament to comprehensive research and innovation in the field of GNSS and SDR, fostering a deeper understanding of the Earth's ionosphere. This book serves as a natural progression from Dr. Petrocski's prior contributions, offering readers actionable insights grounded in theoretical understanding.