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Autore	Thornton Catherine L
Titolo	Radiometric tracking techniques for deep-space navigation [[electronic resource] /] / Catherine L. Thornton, James S. Border
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Descrizione fisica	1 online resource (99 p.)
Collana	Deep-space communications and navigation series
Altri autori (Persone)	BorderJames S
Disciplina	629.47/43 629.4743
Soggetti	Space vehicles - Tracking Aerospace telemetry 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	Radiometric Tracking Techniques for Deep-Space Navigation; Table of Contents; Foreword; Preface; Acknowledgments; Chapter 1: Introduction; References; Chapter 2: Earth-Based Tracking and Navigation Overview; 2.1 Navigation Process; 2.2 Reference Frames; 2.3 Spacecraft Equations of Motion; References; Chapter 3: Range and Doppler Tracking Observables; 3.1 The Tracking Link; 3.2 Range and Doppler Information Content; 3.3 Tracking Data Error Sources; 3.3.1 Clock Instability; 3.3.2 Instrumental Effects; 3.3.3 Transmission Media; 3.3.4 Platform Parameters 3.4 The GPS Calibration and Tracking System 3.5 Range and Doppler System Measurement Performance; 3.6 Range and Doppler System Positioning Performance; References; Chapter 4: VLBI Tracking Observables; 4.1 VLBI System Description; 4.1.1 Delta VLBI; 4.1.2 Radio Source Reference Frame; 4.1.3 Radio and Planetary Frame Tie; 4.1.4 VLBI Calibration System; 4.1.5 Major Error Sources; 4.2 Spacecraft VLBI System Performance; 4.3 Utility of Open-Loop Recordings; References;

Chapter 5: Future Directions in Radiometric Tracking; 5.1 Doppler and Range; 5.2 Very Long Baseline Interferometry  
5.3 Connected-Element Interferometry  
5.4 Same-Beam Interferometry;  
5.5 Spacecraft-to-Spacecraft Tracking; References; Glossary; Acronyms

**Sommario/riassunto**

Radiometric Tracking Techniques for Deep-Space Navigation focuses on a broad array of technologies and concepts developed over the last four decades to support radio navigation on interplanetary spacecraft. In addition to an overview of Earth-based radio navigation techniques, the book includes a simplified conceptual presentation of each radiometric measurement type, its information content, and the expected measurement accuracy. The methods described for both acquiring and calibrating radiometric measurements also provide a robust system to support guidance and navigation for future robotic

2. <b>Record Nr.</b>	UNINA9910747591303321
<b>Autore</b>	Watson Katherine (Katherine Denise)
<b>Titolo</b>	Acid Attacks in Britain, 1760–1975 // by Katherine D. Watson
<b>Pubbl/distr/stampa</b>	Cham : , : Springer International Publishing : , : Imprint : Palgrave Pivot, , 2023
<b>ISBN</b>	9783031272721 3031272722 9783031272714
<b>Edizione</b>	[1st ed. 2023.]
<b>Descrizione fisica</b>	1 online resource (143 pages) : illustrations
<b>Collana</b>	World Histories of Crime, Culture and Violence, , 2730-9649
<b>Disciplina</b>	364.1555
<b>Soggetti</b>	Law - History Great Britain - History Social history Europe - History - 1492- Crime - Sociological aspects Legal History History of Britain and Ireland Social History History of Modern Europe Crime and Society
<b>Lingua di pubblicazione</b>	Inglese
<b>Formato</b>	Materiale a stampa

Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction -- 2. Facts and Figures -- 3. Motives and Contexts -- 4. Law and Justice -- 5. Conclusion.
Sommario/riassunto	<p>This Palgrave Pivot examines the history of the largely urban offence once known as vitriol throwing because the substance most commonly used was strong sulphuric acid, oil of vitriol. A relatively rare form of assault, it was motivated largely by revenge or jealousy and, because it was specifically designed to blind and mutilate, commonly targeted the victim's face. The incidence of what was thus widely acknowledged to be an exceptionally cruel crime plateaued in the period 1850–1930 amid a sometimes surprisingly lenient legal response, before declining as a result of post-war social changes. In examining the factors that influenced both the crime and its punishment, the book makes an important contribution to criminal justice history by illuminating the role of gender, law and emotion from the perspective of both victim and perpetrator. Katherine D. Watson is Reader in History at Oxford Brookes University, UK. Her research interests focus on topics where medicine, crime and the law intersect, particularly in Britain since the seventeenth century. She is the author of <i>Medicine and Justice: Medico-Legal Practice in England and Wales, 1700–1914</i> (2020).</p>