1. Record Nr. UNINA9910453557003321

Titolo	Acoustic interactions with submerged elastic structures . Part 3 Acoustic propagation and scattering, wavelets and time frequency analysis [[electronic resource] /] / editors, Ardeshir Guran ... [et al.]
Pubbl/distr/stampa	Singapore ; ; River Edge, NJ, : World Scientific, c2001
ISBN	1-281-95638-4 9786611956387 981-281-075-7
Descrizione fisica	1 online resource (444 p.)
Collana	Series on stability, vibration, and control of systems. Series B ; ; v. 5
Altri autori (Persone)	GuranA (Ardeshir)
Disciplina	620.25
Soggetti	Elastic analysis (Engineering) Underwater acoustics 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 indexes.
Nota di contenuto	Foreword; Preface; Contributors; Contents; Chapter 1: Three Dimensional Underwater Sound Propagation Over Sloping Bottoms; 1. Introduction; 2. The Ideal Wedge; 3. The Penetrable Wedge; 4. Laboratory Scale Experiments; 5. Ocean Acoustic Experiments; 6. Conclusion; 7. Acknowledgments; 8. References; Chapter 2: Modeling of Sound Propagation over a Shear-Supporting Sediment Layer and Substrate; 1. Introduction; 2. Results; 3. Summary; 4. Acknowledgements; 5. References; Chapter 3: Propagation of Acoustic Pulses in Layered Media; 1. Introduction; 2. One Layer; 3. Treatment of Interfaces 4. Numerical Techniques5. Acknowledgments; 6. References; Chapter 4: Response of a Vibrating Structure to a Turbulent Flow Wall Pressure: Fluid-Loaded Structure Modes Series and Boundary Element Method; 1. Introduction; 2. Vibro-Acoustic Response of a Baffled Plate to a Deterministic Excitation; 3. Vibro-Acoustic Response of the System Baffled Plate - Fluid to a Random Excitation; 4. Vibro-Acoustic Response of a Baffled Plate Closing a Cavity and Excited by a Deterministic Harmonic Force or a Random Wall Pressure

5. Numerical Solution of the Boundary Integral Equations for the Fluid Loaded Structure Problems and Examples6. Concluding Remarks; 7. Acknowledgements; 8. References; Chapter 5: Plane Evanescent Waves and Interface Waves; 1. Introduction; 2. The Evanescent Plane Wave Formalism; 3. The Plane Elastic Solid / Perfect Fluid Interface; 4. The Plane Elastic Plate in a Perfect Fluid; 5. Angular Resonances and Guided Waves; 6. Conclusion; 7. References; Chapter 6: Application of Wavelet Analysis to Inverse Scattering; 1. Introduction; 2. Wavelet Analysis
3. Comparison of Fourier and Wavelet Signal Pulse Reconstruction4. Wave Analysis Compression Applied to an Inverse Scattering Formalism; 5. Earlier Applications of Wavelet Analysis to Inverse Scattering; 6. Acknowledgements; 7. References; Chapter 7: Application of Time-Frequency Analysis to the Characterization of Acoustical Scattering; 1. Introduction; 2. Motivation of a Time-Frequency Approach: The Example of a Spherical Shell; 3. Time-Frequency Analysis Methods; 4. Simulations Results; 5. Experimental Results; 6. Conclusion; 7. Acknowledgments; 8. References
Chapter 8: Acoustical Resonance Scattering Theory for Strongly Overlapping Resonances1. Introduction; 2. Scattering Resonances; 3. Properties of the Scattering Function; 4. Resonances, Cross Sections and Ringing; 5. Detection of Resonances; 6. Measurements with Full-Scale Objects; 7. R-Matrix Theory; 8. Model Function for Statistically Overlapping Resonances; 9. Conclusion; 10. Acknowledgements; 11. References; Chapter 9: Inverse Scattering Based on the Resonances of the Target; 1. Introduction and Historical Remarks; 2. Target Recognition; 3. Conclusion; 4. Acknowledgements; 5. References
Chapter 10: Modern Developments in the Theory and Application of Classical Scattering

Sommario/riassunto

The interaction of acoustic fields with submerged elastic structures, both by propagation and scattering, is being investigated at various institutions and laboratories world-wide with ever-increasing sophistication of experiments and analysis. This book offers a collection of contributions from these research centers that represent the present state-of-the-art in the study of acoustic elastic interaction, being on the cutting edge of these investigations. This includes the description of acoustic scattering from submerged elastic objects and shells by the Resonance Scattering Theory of Flax,

2. Record Nr. UNINA9910746983403321

Titolo	The Impact of Covid on International Disputes / / edited by Shaheeza Lalani
Pubbl/distr/stampa	Leiden ; ; Boston : , : Brill | Nijhoff, , 2022 ©2022
ISBN	90-04-51483-X
Edizione	[1st ed.]
Descrizione fisica	1 online resource
Collana	International and Comparative Business Law and Public Policy ; ; 2 International Law E-Books Online, Collection 2022
Disciplina	341.5/22
Soggetti	International commercial arbitration. COVID-19 Pandemic, 2020- COVID-19 (Disease) - Law and legislation.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preliminary Material / Shaheeza Lalani, Steven G. Shapiro -- Copyright Page / Shaheeza Lalani, Steven G. Shapiro -- Dedication / Shaheeza Lalani, Steven G. Shapiro -- Preface / Shaheeza Lalani, Steven G. Shapiro -- Acknowledgments / Shaheeza Lalani, Steven G. Shapiro -- Notes on Contributors / Shaheeza Lalani, Steven G. Shapiro -- Introduction / Mikkel Gudsøe -- Chapter 1 The Rise and Impact of the “Zoom Negotiation” / Edoardo Agamennone -- Chapter 2 The Impact of the COVID-19 Pandemic on International Arbitration Practices / Pratyush Panjwani -- Chapter 3 “Virtual” Dispute Resolution in International Arbitration / Belen Olmos Giupponi -- Chapter 4 The Impact of COVID-19 on International Arbitration Procedure / Kristen M. Young / Jennifer A. Ivers / Katherine Schroeder -- Chapter 5 Salient Considerations for Remote International Arbitration Hearings / Karthik Nagarajan / James J. East Jr. -- Chapter 6 Hearings in International Arbitration / Ben Sanderson, Maria Scott, Sean Croft -- Chapter 7 The Question of Remote Hearings in International Commercial Arbitration / Bahar Hatami Alamdari -- Chapter 8 The Practice of Virtual Hearings during COVID-19 in Investment Arbitration Proceedings / Bjorn Arp / Edwin Nemesio -- Chapter 9 Ordering Online Arbitration in the Age of

COVID-19 … and Beyond / Amy J. Schmitz -- Chapter 10 Technology as a Vehicle to Enhance Arbitration / Aichell Alvarado -- Chapter 11 The New Landscape of Arbitration in View of Digitalization / Magdalena Lagiewska -- Chapter 12 COVID-19's Inhospitable? Effects on the Arbitral Community / Helena Tavares Erickson -- Chapter 13 The Impact of COVID-19 on Arbitration / Luis M. Martinez / Michael A. Marra -- Chapter 14 Impact of COVID-19 on Arbitration Centers / Elizabeth Roberts -- Chapter 15 Rethinking Costs in International Arbitration / Bamikole Martins Aduloju -- Index / Shaheeza Lalani, Steven G. Shapiro.

Sommario/riassunto

The open access publication of this book has been published with the support of the Swiss National Science Foundation. With little warning, COVID-19 quickly escalated into a generational crisis, creating sustained havoc seen perhaps only in past cases of war, attack, and natural disasters. In the bedlam of the early months, health, science, political, and economic communities were hit with sudden force, required to quickly shift and rearrange the normal order of work. In arbitration, leaders took imperfect information to make dramatic decisions. In process and procedure, arbitral institutions, arbitrators, legal counsel, and clients were swept into this turmoil. In some cases, bold initiatives, still in design and testing, were quickly put into service, upsetting norms and traditions and the very notions of traditional process. The Impact of COVID on International Disputes includes contributions from legal practitioners and academics, takes a fresh look at issues addressed in international arbitration during the COVID-19 pandemic, gathering best practices, additional perspective and predictions based on current practices that will help parties, legal counsel and arbitrators in the future.