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Titolo	3D discrete element workbench for highly dynamic thermo-mechanical analysis : GranOO. Volume 3 / / Damien Andre, Jean-Luc Charles, Ivan Iordanoff ; coordinated by Ivan Iordanoff
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Collana	Numerical methods in engineering series : discrete element model and simulation of continuous materials behavior set ; ; volume 3
Soggetti	Materials - Dynamic testing Discrete element method Object-oriented methods (Computer science) UML (Computer science) Electronic books.
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Table of Contents; Title; Copyright; List of Figures; List of Tables; Introduction; I.1. The black box problem; I.2. A numerical tool to study a tribological problem; I.3. Why have we chosen a free license?; I.4. Discrete element methods; I.5. Application to tribological problems; I.6. A brief history of the workbench GranOO; I.7. A design to serve versatility; I.8. Choice of the programming language; I.9. Book organization; 1: Object Oriented Approach and UML; 1.1. Object Oriented (OO) paradigms; 1.2. OO analysis and design; 1.3. UML diagrams; 2: Operating Architecture 2.1. The GranOO package2.2. Compilation process of the executable file; 2.3. Launching a GranOO executable; 2.4. The input files; 2.5. The magic world of the plugins; 2.6. The output files; 3: Focus on Libraries; 3.1. The geometrical library; 3.2. The DEM library; 3.3. The libMySandbox library; 3.4. Conclusion; 4: Tools and Practical Examples of Use of GranOO.; 4.1. Tool overview; 4.2. Granular simulation: the

		bluewave example; 4.3. The continuous discrete element model; 4.4. Conclusion; Conclusion; Appendices; Appendix 1: Using Quaternions; A1.1. Introduction; A1.2. Norm transformation A1.3. Direction transformationA1.4. Quaternion definition; A1.5. Mathematical properties; A1.6. Quaternion and attitude; A1.7. Quaternion and angular velocity; A1.8. Application to dynamics; A1.9. Numerical integration; A1.10. Conclusion; Appendix 2: Pendulum Problem Complete Code; Bibliography; Index; End User License Agreement
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	Autore	Badhwar Raj
	Titolo	The CISO's transformation : security leadership in a high threat landscape / / Raj Badhwar
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	Nota di contenuto	Intro -- Foreword -- Preface -- Acknowledgment -- Contents -- About the Author -- Abbreviations -- Part I: Effective CISO Leadership -- CISOs - Leading from the Front! -- 1 Introduction -- 2 Be the Security Evangelist -- 2.1 Take an Active Hand in Creating the Cybersecurity Policy and Standards -- 2.2 Lead Innovation and Next-Generation Security Technology Implementations -- 2.3 Secure Cloud Environments -- 2.4 Make the Case for Security to Both Technical and Business Audiences -- 2.5 Understand, Assess, and Quantify Cyber Risk -- 2.6 Lead Tactical vs. Strategic Implementations -- 2.7 Lead User Training and Communications -- 2.8 Be Prepared to React to Cyber-Attacks and Other Cyber-Induced Disruptions -- 2.9 Make the Case to the Board of Directors and Other Executives -- 2.10 Recruit and Retain -- 2.11 Attract Women and Other Minorities to the Cyber

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-- If You Can't Hire Them, Then Develop Them -- 1 Introduction -- 2 Develop the Talent -- 2.1 Technology Aptitude -- 2.2 Flexibility -- 2.3 Business Domain Awareness -- 2.4 Mission Focus -- 2.5 Systems Thinking -- 2.6 Problem Solving -- 2.7 Collaboration -- 2.8 Expand the Net -- 2.9 Trust -- 3 Retention -- 3.1 Entry-Level -- 3.2 Mid-Level -- 3.3 Senior and Executive Level -- 4 The CISO Take -- Definitions -- Further Reading -- Should You Accept Counteroffers? -- 1 Introduction -- 2 General Advice and Comments -- 3 Advice to Employees -- 4 Advice to Managers -- 5 The Cybersecurity Skew -- 6 My Own Experience -- 7 The CISO Take -- Further Reading -- Importance of 1: 1 Conversations -- 1 Introduction -- 2 Guidance -- 2.1 What Is Going Well? -- 2.2 What Is Not Going So Well? -- 2.3 Ask for Feedback -- 2.4 Give Feedback -- 2.5 Talk About Opportunities -- 2.6 Talk About Career Growth -- 2.7 Talk About Individual Development -- 2.8 Brainstorm Ideas -- 2.9 Skip Level Meetings -- 3 The CISO Take. Further Reading -- The Cyber Hygiene Mantra -- 1 Introduction -- 2 Recommendation -- 2.1 Identify and Patch All High/Medium Risk Vulnerabilities -- 2.2 Reduce Threat Surface -- 2.3 Perform Identity and Access Management -- 2.4 Enable Asset Protection -- 2.5 Perform User Training and Awareness -- 2.6 Setup a Certification and Accreditation (C&amp -- A) Program -- 3 The CISO Take -- 4 Definitions -- References -- Further Reading -- Part III: Cybersecurity Prudence -- Cybersecurity Lessons from the Breach of Physical Security at US Capitol Building -- 1 Introduction -- 2 Best Practices -- 3 The CISO Take -- 4 Definitions -- References -- Further Reading -- Protect Society, the Commonwealth, and the Infrastructure - Post COVID-19 -- 1 Introduction -- 2 Technical Controls Required to Securely Work from Home, and Back -- 3 Number of Masks Required to Securely Go Back to Work -- 4 Virus Tracking (SARS-CoV-2) -- 5 The CISO Take -- 6 Definitions -- Further Reading -- Self-Service Recovery Options for Bricked Windows Devices -- 1 Introduction -- 2 Solutions -- 2.1 USB Boot Drive -- 2.2 Create a USB Recovery Drive, or Media (DVD or CD) -- 3 BSOD or Bricked? -- 3.1 USB Boot Drive -- 3.2 Recovery Drive -- 3.3 Prerequisites -- 4 Edge Cases -- 5 The CISO Take -- 6 Definitions -- References -- Further Reading -- Certification &amp -- Accreditation -- 1 Introduction -- 2 Making the Case -- 3 The Workflow Outline -- 3.1 Initiation Phase -- 3.2 Security Certification Phase -- 3.3 Security Accreditation Phase -- 3.4 Continuous Monitoring Phase -- 4 The CISO Take -- 5 Definitions -- References -- Further Reading -- Hack Back or Not? -- 1 Introduction -- 2 Genesis -- 3 What Is a Hack Back? -- 4 Security Issues and Impediments -- 4.1 Currency -- 4.2 Code Vulnerabilities -- 4.3 The Weak Link -- 4.4 Sophisticated Attackers -- 4.5 Lack of Defense Coordination. 4.6 Hacking Tools -- 5 Making the Case -- 5.1 Hacker Identities Are Unknown -- 5.2 It May Be Illegal -- 5.3 Open Cyber-Warfare -- 5.4 Friendly Fire -- 5.5 Asset Retrieval -- 6 The CISO Take -- 7 Definitions -- References -- Further Reading -- CISOs Need Liability Protection -- 1 Making the Case -- 2 Liability Insurance -- 2.1 Verify Your Coverage -- 3 Employment Contracts -- 4 State Laws -- 5 Company Bylaws -- 6 The CISO Take -- 7 Definitions -- References -- Further Reading -- Enable Secure Work-From-Home -- 1 Making the Case -- 2 The CISO Take -- References -- Further Reading -- Postlude - Paying It Forward -- Index.

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