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Titolo	Climate change disclosure and financial risk [[electronic resource]] : merits and concerns // Carolyn S. Lawrence and Lloyd T. Wheeler, editors
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ISBN	1-62257-496-6
Descrizione fisica	1 online resource (126 p.)
Collana	Climate change and its causes, effects, and prediction Financial institutions and services
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Soggetti	Disclosure of information Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Titolo	Arc welding processes handbook / / Ramesh Singh
Pubbl/distr/stampa	Hoboken, New Jersey : , : Scrivener Publishing, , [2021] ©2021
ISBN	1-119-81907-5 1-119-81908-3 1-119-81906-7
Descrizione fisica	1 online resource (440 pages)
Disciplina	671.5212
Soggetti	Electric welding
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	Intro -- Table of Contents -- Title Page -- Copyright -- List of Figures -- List of Tables -- Foreword -- Preface -- 1 Introduction to Welding Processes -- 1.1 Synopsis -- 1.2 Keywords -- 1.3 Welding -- 1.4 Defining Welding -- 1.5 Welding and Joining Processes -- 1.6 Arc Welding -- 1.7 Efficiency of Energy Use -- 1.8 Welding Procedures -- 1.9 Qualification of Welders and Operators -- 2 Shielded Metal Arc Welding (SMAW) -- 2.1 Synopsis -- 2.2 Keywords -- 2.3 Introduction -- 2.4 Process Fundamentals -- 2.5 How the Process Works -- 2.6 Power Sources -- 2.7 AC Power Sources -- 2.8 Direct Current Power Sources -- 2.9 Welding Safety and Personal Protecting Equipment -- 2.10 Covered Electrodes Used in SMAW Process -- 2.11 Welding Training - Making of a Welder -- 2.12 Welding Other Metals -- 2.13 Welding and Fabrication of Duplex Stainless Steels -- 2.14 SMAW Welding Nickel Alloys -- 2.15 Minimizing Discontinuities in Nickel and Alloys Welds -- 2.16 Review Your Knowledge -- 3 Gas Tungsten Arc Welding -- 3.1 Synopsis -- 3.2 Keywords -- 3.3 Introduction to Gas Tungsten Arc Welding Process -- 3.4 Process Description -- 3.5 How the Process Works -- 3.6 Process Advantages and Limitations -- 3.7 Power Sources -- 3.8 Shielding Gases -- 3.9 Gas Regulators and Flowmeters -- 3.10 GTAW Torches, Nozzles, Collets, and Gas Lenses -- 3.11 Tungsten Electrodes -- 3.12 Joint Design -- 3.13 Power Source

Remote Control -- 3.14 Installation of Welding Machines -- 3.15 Power Source Cooling System -- 3.16 Welding Connections - Welding Cable and Welding Torch Connections -- 3.17 Welding Power Source Classification by NEMA -- 3.18 Welding Personal Protecting Equipment -- 3.19 Other Essential Clothing for Welders -- 3.20 Filler Wires Used in GTAW Process -- 3.21 Classification and Identification of Welding Wires -- 3.22 The Aluminum Alloy Temper and Designation System. 3.23 Welding Metals Other Than Carbon and Alloy Steels -- 3.24 GTAW Welding of Aluminum -- 3.25 GTAW Welding of Stainless Steel -- 3.26 Mechanical Properties -- 3.27 Welding Nickel Alloys -- 3.28 Later Developments in GTAW Process -- 3.29 Plasma Arc Welding -- 3.30 Review Your Knowledge -- 4 Gas Metal Arc Welding -- 4.1 Synopsis -- 4.2 Keywords -- 4.3 Introduction to Gas Metal Arc Welding Process -- 4.4 Process Description -- 4.5 Components of the Welding Arc -- 4.6 Effects of Variables on Welding -- 4.7 Advanced Welding Processes for GMAW -- 4.8 The Adaptive Loop -- 4.9 Advanced Waveform Control Technology -- 4.10 Equipment for GMAW Process -- 4.11 GMAW Power Sources -- 4.12 Installation of Welding Machines -- 4.13 Welding Various Metals -- 4.14 Welding Nickel Alloys -- 4.15 Minimizing Discontinuities in Nickel and Alloys Welds -- 4.16 Calculating Heat Input in Pulsed Arc GMAW -- 4.17 Review Your Knowledge -- 5 Flux Cored Arc Welding (FCAW) Process -- 5.1 Synopsis -- 5.2 Keywords -- 5.3 Introduction to Flux Cored Arc Welding (FCAW) Process -- 5.4 Process Description -- 5.5 Welding Wires/Electrodes -- 5.6 Power Sources -- 5.7 Other Accessories to Power Source -- 5.8 Shielding Gases -- 5.9 Welding Various Metals -- 5.10 Tips for Good Welding by FCAW Process -- 5.11 Test Your Knowledge -- 6 Submerged Arc Welding (SAW) -- 6.1 Synopsis -- 6.2 Keywords -- 6.3 Introduction to Submerged Arc Welding (SAW) Process -- 6.4 Operating Characteristics -- 6.5 Submerged Arc Welding (SAW) Process -- 6.6 How the SAW Process Works -- 6.7 SAW Process Variants -- 6.8 SAW Power Source and Equipment -- 6.9 Welding Heads (Gun) -- 6.10 Fluxes -- 6.11 Submerged Arc Welding Various Metals -- 6.12 Test Your Knowledge -- 7 Useful Data and Information Related to Welding and Fabrication -- 7.1 Common Weld Symbols and Their Meanings -- 7.2 Fillet Welds -- 7.3 Groove Welds. 7.4 Pipe Schedule -- 7.5 Terms and Abbreviations -- 7.6 Procedure Qualification Range as Per the Material Group -- 7.7 Material Qualification Range for Procedure Qualification Based on P-Numbers -- 7.8 Temperature Conversion -- 7.9 Useful Calculations -- 7.10 Effect of Temperature on Gas Cylinder Pressure -- Index -- End User License Agreement.
