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Nota di contenuto	Editorial: Industry 5.0 Towards Human Value and Value for Human -- The Dilemma Between Industry 4.0 and Society 5.0: A Technological Evolution of Digital Transformation or a Humanitarian Revolution of Well-Being? -- Transitioning from Industry 4.0 to Industry 5.0: An Overview of Co-Evolution -- Industry 5.0: Quo Vadis? Challenges and Concerns for Future Development -- From Industry 4.0 to Industry 5.0: challenges and opportunities of evolutionary transition in Russia -- Theoretical Research on Sustainable Business Model Innovation Driven by Digital Technology -- Economic Passionarity: Formation Peculiarities

in The Digital Age -- Value-Based vs Pragmatic Approach to the Sustainable Development of Energy Sector Companies in the Context of Industry 5.0 -- Institutional Environment of The Information Economy: A Method for Assessing the Contribution to The Socio-Economic Development -- Agile Methodology Catalyzing Digital Transformation: Implementation Objectives and Evaluation Criteria in Organizational Settings -- New Forms of Capital in the Context of Digitalization of the Industrial Sector -- Developing an Agent-Based Model for Intelligence Transformation of a Regional Industrial Complex -- The New Industry 5.0 Paradigm: An Investigation in the Italian Automotive Sector -- Operational Management of Production for Car Maintenance and Repair Using Digital Twin Technology -- Industrial Digitalization as a Driver of City Reindustrialization: Evidence from Detroit -- Strategic Interventions: Navigating Industry Development Trends through Digitalization for Enhanced Competitiveness of Italian Wood-Furniture Companies -- Robotic Technological Processes Optimization in the Context of Digital Transformation of Industry -- Driving Sustainable Growth: Leveraging Digital Transformation in Photovoltaic Manufacturing -- Digital Twin Prototype Structure of Value, Demand and Supply Chain Management -- Green Warehouse 5.0 -- Digitalization of Manufacturing Enterprises: The perspective of employees and employers -- Congruence of Skills and Technologies in the Conditions of Digitalization of Industry -- The Role of Demographic Processes in the Digital Transformation of Industrial Regions -- Problem-Based Modular Learning in Instrument Engineering Within Education 5.0 -- Big and Small Data in Corporate Human Resource Management -- Strategic Integration of Industry 5.0 Assistive Technologies for Cognition in Business for Human Capital Development -- The Impact of the Digital Economy on the Development of Human Capital in the Oil and Gas Industry -- Digitizing Human Capital Management at Industrial Enterprises: A Case of Business Process Modeling in the Fuel and Energy Sector -- The Impact of Industry 5.0 Human Capital on Production System Performance: Evidence from Russian Metallurgy -- The Impact of Digital Transformation on Labor Productivity of Chinese Small and Medium-Sized Enterprises (SMEs) -- Defining Performance Indicators for a Multi-Stakeholder Manufacturing Digital Platform: An ECOGRAI Adaptation -- Method of Minimax Terminal Program Control of Enterprise Product Output for Digitalization of Decision-Making Processes -- Risk Evaluation in the Strategic Planning of Industrial Regions' Development within Industry 5.0 -- Implementation of the Windows of Opportunity in the Investment Sector of Industry of Russian Regions in the Context of Digitalization -- Integration of the Sustainability Aspects into the Evaluation of the Export Potential of High-Tech Companies -- Impact of Digitalisation on the Technological Development of Industry: Russian Experience.

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## Sommario/riassunto

This book offers a selection of the best papers presented at the annual International Scientific Conference “Digital Transformation in Industry: Trends, Management, Strategies,” held by the Institute of Economics of the Ural Branch of the Russian Academy of Sciences (Ekaterinburg, Russia) on October 25-27, 2023. The main focus of the book is on Industry 5.0, a new paradigm for industrial development related to the humanization of technology and the sustainable development of industrial ecosystems. Industry 5.0 is not a technological revolution but a value-based initiative that drives technological transformation by establishing the primacy of human value and creating value for humans. Key topics include the cross-industry potential of Industry 5.0, the humanization of industrial technologies, the transition from

Industry 4.0 ecosystems to Industry 5.0, the achievement of sustainability in the process of digital transition, assessing the impact of industrial digital transformation on society and the environment, regional practices for digital transformation, digital transformation strategies of industrial enterprises, HR strategies for the digital transition of industry, among others. Due to the scientific pluralism of the topics covered, the book is valuable to economists, researchers, and managers in industry and finance.

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