

# Contents

**Introduction: Challenges for Management, Economics and Law during a Transition to Industry 4.0 — V**

## **Part I: Innovations and Economic Growth in Industry 4.0**

Elena A. Fomina, Julia V. Khodkovskaya, Ilya I. Beloliptsev  
and Denis V. Chuvilin

**1 Challenges in Identifying Fast-Growing Companies to Differentiate Government Support Measures — 3**

Konstantin N. Lebedev, Yuliya I. Budovich and Imomnazar E. Tursunov

**2 Economy without Finance: Situation in R&D — 13**

Gulnora Sh. Karabaeva, Rano R. Nazarova and Gulchexra N. Nigmatullayeva

**3 Innovative Activity in Post-Pandemic Conditions — 19**

Evgeniya K. Karpunina, Zulay K. Tavbulatova, Yuri V. Kuznetsov,  
Naida D. Dzhabrailova and Olga A. Anichkina

**4 The Challenges of Digitalization for Economic Relations of Tourism Industry Subjects — 31**

## **Part II: Finances, Corporate Accounting and Management in Industry 4.0**

Irina G. Sergeeva, Irina E. Zuber, Vera D. Nikiforova  
and Alexander A. Nikiforov

**5 Russian Foreign Loans Market: Problems of Balancing — 47**

Elena G. Patrusheva, Elena I. Lifanova and Anna V. Raikhlina

**6 The Problem of Monitoring the Effectiveness of Projects in the Process of their Implementation — 55**

Nodira B. Abdusalomova and Zarina U. Tashkenbaeva

**7 The Use of Digital Technologies in the Implementation of Internal Control in the Management Accounting System — 61**

Ismatilla T. Ydyrysov, Keneshbek B. Yrysov, Emir Z. Tuibaev,  
Zhenishbek A. Kochkonbaev and Oyatilla A. Umurzakov

- 8 Tactical and Technical Solutions for Intraoperative Critical Situations — 69**

### **Part III: Sustainable Development in Industry 4.0**

Shakhlo T. Ergasheva and Rano A. Mannapova

- 9 Digital Modernization in Enterprises of Agricultural and Water Management Industry — 77**

Rasul O. Kholbekov and Feruzakhon R. Kholbekova

- 10 Role and Value of Production Accounting in Providing the Company's Microeconomic Stability — 85**

Valery V. Gusev, Gamzat U. Magomedbekov, Gulnaz F. Galieva,  
Marina A. Gundorova and Zhanna A. Shadrina

- 11 Sharing Economy: How Digital Technologies Have Changed Economic Reality — 95**

Aleksei Tebekin, Ekaterina Bogoeva, Andrei Zakharov  
and Dmitrii Lazarev

- 12 The Impact of the Fourth Industrial Revolution on the Socio-Economic Development of the World Economy — 107**

### **Part IV: High Technologies and State Management in Industry 4.0**

Kamila V. Kudryavtseva, Moisey A. Skliar, Lidiya R. Vakhitova  
and Natalya A. Shapiro

- 13 Economics of Industry 4.0 in the Political Economy Paradigm — 115**

Marianna S. Santalova, Igor L. Surat, Dariko K. Balakhanova,  
Irina V. Soklakova and Vladimir I. Surat

- 14 Features of the Company's Organizational Culture — 123**

Elena A. Fomina, Julia V. Khodkovskaya, Ilvir I. Fazrakhmanov  
and Ekaterina E. Barkova

**15 Harmonizing the Interests of the State and Business in Stakeholder  
Management — 133**

Lubov I. Vanchukhina, Tatyana B. Leybert, Elvira A. Khalikova,  
Il'nara R. Khanafieva and Giedrius Ciras

**16 Methodological Approaches to Tender Procedures in Corporate  
Procurement Management in Companies — 141**

**Conclusion: Future Perspectives of Industry 4.0 — 151**

**List of Figures — 153**

**List of Tables — 155**

**Index — 157**