

18th International Conference**Management, Economy
and Technology****SEPTEMBER 23–24, 2026****KIELCE, POLAND*****Conference Programme*****HONORARY PATRONAGE****WOJEWODA
ŚWIĘTOKRZYSKI**
Józef Bryk**PATRONAT MARSZAŁKA
WOJEWÓDZTWA
ŚWIĘTOKRZYSKIEGO**
RENATY JANIK**Politechnika Świętokrzyska****REKTOR**
prof. dr hab. inż. Zbigniew Koruba**PARTNERS****FUNDACJA
ENERGIA
DLA ŚRODOWISKA**

Day 1: Wednesday, 23 September 2026

8:00–15:00 Registration – Main Auditorium Reception Hall

9:30–10:15 Opening Ceremony and Anniversary Session – Main Auditorium, Room 3

Chairman of the Organisational Committee
prof. Dariusz Bojczuk

Rector of Kielce University of Technology
prof. Zbigniew Koruba

Chairman of the Scientific Committee
prof. Janusz Kot

Session 0: Plenary Session

Chair: prof. Dariusz Bojczuk, prof. Janusz Kot
Main Auditorium, Room 3

10:15–10:45 **Keynote speaker: prof. Wojciech Czakon**, Jagiellonian University, Poland – Zarządzanie między konkurencją a współpracą: dokąd zmierza dyscyplina?

10:45–11:00 **Aleksandra Niemczyk**, KOPIPOL – 30 lat pracy na rzecz polskiej nauki

11:00–11:30 Coffee break

Session 1A: Sustainable Development, Circular Economy, and Energy Transition I

Chair: prof. Janusz Kot
Main Auditorium, Room 3

11:30–11:45 **Ewa Kraska, Michał Nadolny**: Kluczowe determinanty zrównoważonego rozwoju w skali krajów (online)

11:45–12:00 **Katarzyna Kiliańska, Ewa Kraska**: Społeczna odpowiedzialność przedsiębiorstw jako niematerialny atut negocjacyjny w relacji z pokoleniem Z –perspektywa rekrutacji i zaangażowania

12:00–12:15 **Krystyna Gomółka, Piotr Kasprzak**: The level of ESG implementation in EU member states as exemplified by Lithuania, Latvia and Estonia, and in associated countries with particular emphasis on Ukraine (online)

12:15–12:30 **Magdalena Tomala**: Between Strategy and Communication: The Alignment of Sustainable Development Goals in the Development Strategies of Polish Voivodeship Cities and Their Visibility on Official Facebook Pages

12:30–12:45 **Discussion**



Session 1B: Industrial automation, information technology, and artificial intelligence I

Chair: prof. Marzena Nowakowska

Main Auditorium, Room 1

- 11:30–11:45 **Michał Gulewicz, Jolanta Pasioneł:** Can you trust generative AI chatbots to manage your investments?
- 11:45–12:00 **Haji Suleman Ali, Son Xuan Ha, Anh Tuan Nguyen, Muhammad Sayam, Binh Nguyen Thanh:** Decoding AI Value: How Financial Markets Price Data Sovereignty and Human-in-the-Loop Designs (online)
- 12:00–12:15 **Alicja Kozacka, Jakub Krężel:** AI Adoption Among Members of Student Organizations: An Empirical Study of Usage Patterns, Perceived Quality Impact, and Behavioral Intentions
- 12:15–12:30 **Andrzej Lenarcik, Marcin Ryszard Stępień:** Examples of gradual improvement in the teaching of mathematics and statistics at the Kielce University of Technology – cooperation with schools
- 12:30–12:45 **Discussion**

12:45–13:30 Lunch

Session 2A: Sustainable Development, Circular Economy, and Energy Transition II

Chair: prof. Magdalena Tomala

Main Auditorium, Room 3

- 13:30–13:45 **Magdalena Rybaczewska-Błazejowska, Karolina Nowicka, Dominik Jezierski:** Corporate Environmental Accountability: A Comparative Analysis of Disclosure Practices and Alignment with EU ESG Standards among mWIG40 Companies
- 13:45–14:00 **Jerzy Stadnicki, Andrij Terebukh, Yuliia Stadnytska:** Optimal Spatio-Temporal Parameters of Production Organization as a Basis for Sustainable Development
- 14:00–14:15 **Krystyna Gomółka, Igor Nosatov, Olena Trokymets:** Renewable energy sources, “green tariffs”, and energy security in Ukraine (online)
- 14:15–14:30 **Artur Pawelec:** Heatmap-Based Diagnostics of High-Resolution Energy Profiles as a Decision Support Tool for Energy Management in Industrial Plants
- 14:30–14:45 **Discussion**



Session 2B: Industrial automation, information technology, and artificial intelligence II

Chair: prof. Dariusz Bojczuk

Main Auditorium, Room 1

13:30–13:45 **Łukasz Dragun:** Cyber risk management in the cloud era for SMEs: new challenges for IT auditing

13:45–14:00 **Klaudia Jarno, Aleksandra Wilczewska, Łukasz Sidor, Witold Abramowicz:** Dynamic floor pricing as a form of digital revenue management

14:00–14:15 **Marcin Szplit:** Information Systems in Controlling: A Socio-Technical Model of Data Quality, BI Architecture and Managerial Decision Support

14:15–14:30 **Katarzyna Brzozowska-Rup, Marzena Nowakowska, Marcin Zdradzisz:** Między standaryzacją a lokalną autonomią: analiza regulacji budżetów obywatelskich w miastach wojewódzkich Polski

14:30–14:45 **Discussion**

14:45–15:00 Coffee break

Session 3: Poster session

Chair: dr Anna Żyła

Main Auditorium Foyer

15:00–15:30

Daria Moskwa-Bęczkowska:

Effective management of energy costs in the context of a strategy to build enterprise financial resilience

Anna Zaród:

Training Data Governance in Generative AI. Systemic Gap and Extended Collective Licensing

Tomasz Banasik, Jakub Barucha, Miłosz Majchrzyk, Wiktor Rak:

Gamification in Academic Teaching as a Method of Disseminating Knowledge on Building Financial Credibility: A Case Study

Izabela Konieczna:

Distribution Excellence and Market Accessibility as Pillars of Revenue Security: A Diagnostic Framework

Bogusława Dobrowolska, Jadwiga Kaczmarska-Krawczak, Ilona

Penc-Pietrzak, Ewa Stroińska:

Relational capital as a driver of knowledge transfer and research commercialization in higher education institutions





Jakub Wiśniewski, Zbigniew Wiśniewski:

Od sporu do systemu: konceptualizacja systemów konfliktowych w naukach o zarządzaniu i uzasadnienie podejścia symulacyjnego

Tomasz Banasik, Kinga Jarząbek:

The Role of Monetary Policy in Transmitting the Effects of Inflation on Economic Growth: A Comparative Analysis of the National Bank of Poland and the European Central Bank

Monika Sipa, Anetta Barska, Iwona Gorzeń-Mitka, Joanna Wyrwa:

The management of the twin transition in the context of the economic climate: Regional variations

Krzysztof Grysa, Artur Maciąg, Anna Pawińska:

Trefftz method and inverse operators in solving coupled problems of thermoelasticity

Artur Maciąg, Beata Maciejewska, Magdalena Piasecka, Bartłomiej Skorupski:

Experimental and Numerical Investigation of the Superheated Liquid Layer in an Asymmetrically Heated Minichannel during Flow Boiling

Andrea Guareschi, Giorgia Moschini, Matteo Belforti:

Marketing, sustainability and artificial intelligence: emerging trends and strategic innovation

Karol Chrzanowski, Dariusz Dobrowolski:

Vector Databases as Analytical Infrastructure in Thermal Energy Enterprises

Tomasz Barański, Karolina Głowczyńska-Woelke:

Twin transformation strategies in shaping the resilience of industry 5.0 organizations

Kinga Szczepańczyk:

Machine learning and NLP in the automatic analysis of customer reviews in organizations

Mateusz Cedzyński, Robert Kazała, Magdalena Piasecka, Artur Piasecki:

Automated Monitoring and Alarm System for an Autonomous Experimental Stand Dedicated to Flow Boiling Heat Transfer Studies in Minichannels

Session 4A: Sustainable Development, Circular Economy, and Energy Transition III

Chair: dr inż. Anna Rębosz-Kurdek

Main Auditorium, Room 3

15:30–15:45 Marek Pawełczyk: The Use of Fuel Cells in Transport – Current State and Perspective



- 15:45–16:00 **Katarzyna Brzozowska-Rup, Mısra Çakaloğlu, Paweł R. Kozubek:** Carbon Intensity and Decoupling Analysis in Transport Subsectors (ISIC 49–51) in Poland and Türkiye (2010–2022)
- 16:00–16:15 **Urszula Świerczyńska-Kaczor, Rafał Świerczyński:** Multi-Factor Analysis of Public Transport Transition to Electric Buses: A Qualitative Study with Evidence from the Polish Market
- 16:15–16:30 **Damian Krzesimowski:** Operational State Machine for Sustainable Microgrid Management: A Framework for Balancing Environmental and Economic Priorities
- 16:30–16:45 **Karol Dąbrowski:** Future engineers and sustainable development: understanding and perceptions of the paradigm among final-year engineering students from Western Poland – results of preliminary research
- 16:45–17:00 **Discussion**

Session 4B: Industrial automation, information technology, and artificial intelligence III

Chair: dr inż. Sławomir Luściński
Main Auditorium, Room 1

- 15:30–15:45 **Beata Jaworska-Jóźwiak, Leszek Ciopiński:** Optimisation of the parameters of the hydromixture transport process using a Developmental Genetic Programming
- 15:45–16:00 **Magdalena Dobrzańska:** Adaptive AMR Fleet Management Under Operational Disruptions
- 16:00–16:15 **Joanna Sadłowska-Wrzesińska, Michał Skwierczyński:** Changes in the Perception of Safety among the Academic Community in 2024–2026 as a Challenge for University Safety Management
- 16:15–16:30 **Sławomir Koczubiej, Marzena Nowakowska, Paweł Stąpór:** Student Satisfaction with Field of Study Choice: An EDA Approach
- 16:30–16:45 **Agnieszka Kuś:** Bridging the connectivity gap. The Role of Polish 5G Spectrum Auctions in Achieving Digital Decade Targets (online)
- 16:45–17:00 **Discussion**

**19:00 Gala dinner at Willa Hueta
(ul. Juliusza Słowackiego 25, Kielce)**

Day 2: Thursday, 24 September 2026

Session 5A: Modern finance and digital regulations in the economy

Chair: prof. Marianna Kotowska-Jelonek

Main Auditorium, Room 3

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- 9:00–9:15 **Jan L. Bednarczyk:** Dług publiczny – mechanizmy wzrostu i czynniki zagrożenia we współczesnej gospodarce
- 9:15–9:30 **Bartłomiej Szymczyk:** Network DEA Models in Assessing the Efficiency of Retail Sector Entities in Europe and Worldwide: A Review of Empirical Studies in 2020–2025
- 9:30–9:45 **Sylvia Hożejowska, Katarzyna Brzozowska-Rup, Anna Pawińska:** Metoda Trefftza w zagadnieniach wyceny opcji europejskich w modelu Blacka–Scholesa
- 9:45–10:00 **Łukasz Gibowski:** Rozwój technologii finansowych (FinTech) a zielone finanse w państwach Unii Europejskiej
- 10:00–10:15 **Rafał Bielawski:** Perception of the impact of automation and artificial intelligence on accounting tasks based on the example of the Świętokrzyskie Voivodeship (online)
- 10:15–10:30 **Dariusz Dobrowolski, Kacper Dobrowolski:** Foundation Models in Financial Market Analysis: Can Amazon Chronos 2 Replace Traditional Econometric Models in Forecasting Currency and Commodity Prices? (online)
- 10:30–10:45 **Discussion**

Session 5B: Management in conditions of dynamic environmental changes

Chair: prof. Bożena Kaczmarek

Main Auditorium, Room 1

- 9:00–9:15 **Huy Quang Truong, Khuong Nguyen-Vinh, Stefan Trzcieliński:** Managing Under Uncertainty – a BFIS Morphology of System Agility Regulated by Opportunity Intelligence
- 9:15–9:30 **Beata Poteralska:** Human resource competences as a determinant of project management maturity in a changing socio-economic environment
- 9:30–9:45 **Małgorzata Róg-Giacosa:** Managing B2B trade fair value in a dynamic market environment: A dual-perspective importance-performance analysis



- 9:45–10:00 **Joanna Hernik, Rafał Mazur, Piotr Nowaczyk, Robert Rusielik:** Owned, earned, and paid media in building an employer brand: the example of Lidl Poland. Implications for communication management
- 10:00–10:15 **Justyna Maria Bugaj, Katarzyna Gałuszczyńska:** Organizational Values in the Recruitment Process of Interdisciplinary Project Teams in the Fashion Industry: A Case Study
- 10:15–10:30 **Dawid Pytel:** Process resilience in cinema chains under uncertainty: a stakeholder-based diagnostic framework
- 10:30–10:45 **Discussion**

10:45–11:00 Coffee break

Session 6A: Digital transformation of the economy, platform business models, and the future of the labour market I

Chair: prof. Joanna Hernik
Main Auditorium, Room 3

- 11:00–11:15 **Magdalena Olczyk:** Digital and AI Capabilities as Drivers of GVC Resilience in Central and Eastern Europe
- 11:15–11:30 **Katarzyna Łazorko:** Balancing AI-Driven Recruitment with Sustainable Employer Branding in the Contemporary Labour Market
- 11:30–11:45 **Justyna Bugaj, Rafał Kornas:** Drivers of Student Engagement in Teaching Evaluation Surveys
- 11:45–12:00 **Krzysztof Pasek:** The impact of IT solution adaptation on the management of sustainable development strategies in supply chains
- 12:00–12:15 **Kajetan Kłaczek-Suchocki:** The Dental Services Market in Poland – Consumer Perspective. Qualitative Research in the Context of Digital Innovation
- 12:15–12:30 **Olaf Flak:** Can Generative AI Emulate Managerial Behaviour? Research Results from Virtual Teamwork
- 12:30–12:45 **Discussion**

Session 6B: Public management and network governance

Chair: prof. Agnieszka Piotrowska-Piątek
Main Auditorium, Room 1

- 11:00–11:15 **Kornelia Polek-Duraj:** The relationship between organisational culture and team cohesion in a small educational and childcare institution (case study)



- 11:15–11:30 **Magdalena Szczyrba:** Mapping the Innovation Management System (ISO 56000) onto an Original Innovation Management Model in a Research Institute
- 11:30–11:45 **Marek Zawada:** The Medical Research Agency in Poland – role in managing clinical trial projects compared with EU countries
- 11:45–12:00 **Paweł Dobrzański:** Modeling Urban Parking Management Scenarios Using Discrete Event Simulation
- 12:00–12:15 **Anna Sworowska-Baranowska:** The Post-Pandemic Landscape of Tertiary Mobility in Europe
- 12:15–12:30 **Danuta Witczak-Roszkowska, Jan Guzy:** Wyzwania demograficzne a plany prokreacyjne młodzieży akademickiej
- 12:30–12:45 **Discussion**

12:45 – 13:30 Lunch

Session 7A: Digital transformation of the economy, platform business models, and the future of the labour market II

Chair: prof. Jan Bednarczyk
Main Auditorium, Room 3

- 13:30–13:45 **Sabina Kauf, Iwona Pisz:** Data transparency as an organisational capability of manufacturing firms in conditions of uncertainty
- 13:45–14:00 **Martina Chrančoková, Ján Kollár, Barbora Mazúrová:** Commuting Matters: Employee Well-being and ESG Performance in the Slovak Context (online)
- 14:00–14:15 **Miroslava Knapková, Vanesa Kováčiková:** Employee well-being as a strategic ESG Investment: Conceptual and Methodological Challenges in Assessing Economic Impacts in Higher Education (online)
- 14:15–14:30 **Ludmiła Walaszczyk:** Interating Ethics and Organisational Culture into Managerial ESG Maturity Frameworks for SMEs
- 14:30–14:45 **Jędrzej Cieślak, Yash Chawla, Anna Kowalska-Pyzalska:** Advancing Innovation in the Age of Complexity. Strategic Ecosystems for Sustainable and Intelligent Value Creation
- 14:45–15:00 **Discussion**

Session 7B: Risk management, organisational resilience, and strategies under conditions of uncertainty

Chair: prof. Justyna Maria Bugaj

Main Auditorium, Room 1

13:30–13:45 **Andrzej Witek:** The Importance of School Principals' Competencies in Shaping Organizational Resilience in Educational Institutions

13:45–14:00 **Marta Broda, Joanna Sadłowska-Wrzesińska:** Crisis Preparedness in Manufacturing Enterprises: A Comparative Case Study

14:00–14:15 **Iwona Gorzeń-Mitka, Anetta Barska, Monika Sipa, Joanna Wyrwa:** From Stakeholder Pressure to Climate Action: The Mediating Role of ESG Risk Management Capability

14:15–14:30 **Krzysztof Łusiakowski:** Differentiation of enterprises' financial liquidity risk using key risk indicators and the Mahalanobis distance

14:30–14:45 **Dina Modestus Nziku, Chanel Bikorimana:** Refugee Entrepreneurship as Economic Resistance: Reconfiguring Market Participation Across Host-Country Systems

14:45–15:00 **Discussion**

15:00–15:15 **Closing of the conference**
prof. Dariusz Bojczuk, prof. Janusz Kot

