

PROGRAM ISPGAYA CONGRESS 25

Venue: Avenida dos Descobrimentos, 333, 4400-103, Vila Nova de Gaia, Portugal
23rd & 24th October 2025

23rd October

09:00 – 09:30 Opening Session Jorge Simões , President of ISPGAYA & José Morais , Chairman of ISPGAYA CONGRESS 25 Room: Audit.

Slot 09:30 10:45	Session 1 Room: Audit. Information Technology & Cybersecurity Chair: Justino Lourenço Online	<i>RIAT - Responsible Innovation Assessment Tool, towards sustainability</i> Fernando Almeida <hr/> <i>Cybersecurity Vulnerabilities of Public Health Apps: A Case Study of SergasMóbil</i> Aida Quinteiros-Soliño	Session 2 Room: 4.1 Sustainable Tourism & Leisure Chair: Óscar Silva Online	<i>What Drives Hotel Scores? A Structural Model of Sentiment Orientation in Online Reviews</i> António Melo <hr/> <i>From Footprints to Mindprints: understanding conscious consumption in tourism through a systematic review</i> Luzia Amorim <hr/> <i>An Integrated Structural Equation Model of Organizational Resources, Managerial Perceptions, and Customer Sentiment in the Hospitality Sector</i> António Melo <hr/> <i>Rethinking trust in artificial intelligence through ethics and usefulness</i> Luzia Amorim
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Slot 11:15 12:30	Session 3 Room: Audit. Artificial Intelligence Chair: José Arnaud Online	<i>Environmental Footprint Assessment and Mitigation in Generative Artificial Intelligence</i> Miguel Magalhães <hr/> <i>Green IoT: Novel Strategies for Energy Efficiency and Environmental Impact Reduction</i> Justino Lourenço <hr/> <i>Automated Volume Measurement for Logistics Using Deep Learning and Image Processing</i> Michele Rodrigues <hr/> <i>IoT for Sustainability vs. Sustainable IoT: Applications and Practices for a Responsible Future</i> Nelson Neves	Session 4 Room: 4.1 Accounting & Tax Organization Marketing Chair: José Oliveira Online	<i>The Implementation of Dashboards for KPI Monitoring</i> Filipe Lourenço & Pedro Oliveira <hr/> <i>Consumer Behaviour in Smartphone Purchase Decisions: Identity Construction and Symbolic Meaning</i> Paulo Pires
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Slot 14:30 16:00	Session 5 Room: Audit. Electronics & Industrial Automation Chair: Mário Santos Online	<i>FPGA-Based Signal Generator with Harmonic Injection for Torque Ripple Mitigation in Synchronous Reluctance Motors</i> Renan Silva <hr/> <i>TinyML for Sustainable Futures: Energy-Efficient Edge AI and Environmental Innovation</i> Sérgio Silva <hr/> <i>Power over Fiber: A CMOS-Compatible Approach for Remote Ultra-Low Power Temperature Sensors</i> Leonardo Sobral	Session 6 Room: 4.1 Information Technology & Cybersecurity Chair: Fernando Almeida Online	<i>A Novel Approach for Distributed Security on IoT with AI.</i> José Lopes <hr/> <i>Generative AI and Intellectual Property: Innovation, Cybersecurity, and Sustainability in European Regulation</i> Luísa Orvalho <hr/> <i>Comparative Evaluation of Angular and React in the Context of Web Development and Front-end Security: A Systematic Review</i> Gabriel Rocha
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Poster presentation: Patients' rights implications of artificial intelligence - Ana Cabral

Slot 16:00 17:30	Session 7 Room: 5.1 Electronics & Industrial Automation Chair: Alexandre Diogo Online	<i>Smart Monitoring and Climate Resilience in African Ecosystems: Inclusive Innovation through International Collaboration</i> Tom Peeters <hr/> <i>Sustainable and Decarbonized Industry: Emerging CO2 Technologies as a Contribution to Climate Mitigation</i> Luísa Orvalho <hr/> <i>Ultrasonic Sensor for Bird Activity Monitoring and Proactive Repulsion in Electrical Infrastructure</i> Leonardo Sá	Session 8 Room 4.1 Marketing Information Technology & Cybersecurity Chair: Daniel Sousa Online	<i>Deepfakes on social media and forensic analysis with AI: a bibliometric study</i> Pedro Oliveira <hr/> <i>Identifying patterns of co-occurrence in Neuromarketing, Emotions and Art: A systematic review with AI</i> Mário Chaparro <hr/> <i>CAMED: A CEP-Driven Unsupervised Approach for Reducing False Positives in IoT Security</i> Wellison Santos
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09:00 – 09:30 Opening Session Luísa Rodrigues, Vice-President of ISPGAYA. Communication <i>Health, well-being, and sustainability</i> Room: Audit.

Slot 9:30 10:45	Session 9 Room: Audit. Sustainable Entrepreneurship Business Management & Innovation Chair: Daniel Sousa Online https://tinyurl.com/8ucmtms	<i>Navigating Industry 4.0: Strategic Insights for Brazil from Germany, the EUA, and China in Digital Industrial Transformation Economics</i> Josélia Teixeira <i>Porto Digital and Entrepreneurial Development: Insights from the Recife Technology Park Case Study</i> Fernando Almeida <i>Permissioned Ledger and ESG Audit Efficiency in Forestry Projects</i> Nilton Furtado <i>Higher Education Institutions and Incubators as Catalysts of Smart Regional Development: The Case of ISPGAYA and INOVAGAIA</i> Nelson Neves	Session 10 Room: 4.1 Education & Digital Technologies Chair: Catarina Lucas Online https://tinyurl.com/yr2fbs	<i>Combating dropout in vocational culinary training: an AI-driven approach for talent retention, innovation, and sector sustainability</i> José Correia <i>Inside the Bubble: Educational Values, Identity, and Competency Development in Traditional and Alternative Schools for a Sustainable Future</i> Ewa Listopadzka <i>Gamification as a Strategy to Enhance School Motivation in Students Under Selective Measures</i> Jorge Simões <i>Games for Innovative Global Citizenship Education for the Sustainable Development Goals: Cooperation between Higher Education Institutions and Non-Governmental Organizations with the support of Erasmus+</i> João Monteiro
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Poster presentation: Mapping Countries Through the Government AI Readiness Index - Ana Luí

Slot 11:15 12:30	Session 11 Room: Audit. Industrial Automation & Electronics Mechanics, Innovation & Sustainability Chair: Augusto Rego Online https://tinyurl.com/58jh873	<i>Strategic Transformation of Dental Prosthetics Laboratories: Integrating Technology, Workforce Development and Sustainability for Competitive Advantage</i> Mariana Marques <i>Sustainability of cork extraction based on reducing damage in the process</i> Filipe Silva <i>Managing Sustainability in Aviation: Institutional Strategies for Achieving Net-Zero Emissions by Mid-Century</i> Mariana Marques <i>Sustainability in the context of networks with AI and ML for IoT</i> Pedro Oliveira	Session 12 Room: 4.1 Education & Digital Technologies Chair: Joana Paulo Online https://tinyurl.com/5y456xu8	<i>Developing Students' Intellectual Potential through Artificial Intelligence in Education</i> Tetiana Kornieieva <i>Academic Goals and Performance in Higher Education: The Impact of Gender and Grade Retention</i> Lúcia Miranda <i>Supera-te: Transforming Higher Education through Cooperative Learning in the Digital Era</i> Ana Leitão <i>DigiPedES-XXI: Advancing Pedagogical Innovation and Sustainability in Higher Education</i> Ana Leitão <i>Identifying creative people: A proposal for assessing personality</i> Fátima Morais
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Slot 14:30 16:00	Session 13 Room: Audit. Industrial Automation & Electronics Chair: Eric Zanghi Online https://tinyurl.com/nhzat8c	<i>Parameter Estimation of Lithium-Ion Battery Equivalent Circuit Models using a Heuristic Algorithm</i> Bruno Muraro Perondi <i>Challenges and Perspectives on Behind-the-Meter Solar Generation Disaggregation</i> Matheus Almeida <i>Automated Counting and Dimensional Measurement of Melons in Agricultural Settings Using Deep Learning and Computer Vision Techniques on Limited Computational Resources</i> Lucas Thomaz <i>MAGIC IO – An open source LoRa Fieldbus system</i> Ricardo Mendes	Session 14 Room: 4.1 Business Management & Innovation Chair: José Oliveira Online https://tinyurl.com/bddxau7d	<i>How does Artificial Intelligence affect operations in the Big Four (Deloitte, PwC, EY, KPMG)</i> José Castro <i>Happiness at Work - The Influence of Demographic Variables</i> Carlos Bessa <i>The Reduced Working Week</i> Carlos Bessa <i>A study of the factors influencing household was separation, using Portugal as a case study</i> Daniel Sousa
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Slot 16:00 17:30	Session 15 Room: 5.1	<i>Artificial Intelligence in Climate- Neutral Urban Planning: A Systematic Review of Data-Driven Tools for City Design and Policy</i> Mirjana Miletic	Session 16 Room: 4.1	<i>Mapping the scientific landscape of leadership and digital transformation: Evolution, key authors, and global impact</i> Eva Lousã & Mário Lousã	
	Smart Cities & Sustainability Chair: Tiago Costa	<i>Community Development and Sustainable Cities: Analysing Brazilian capital cities against ISO 37120 and SDG 11</i> Thiago Spiri-Ferreira		Business Management & Innovation Chair: José Oliveira	<i>Waste management and social technologies: a systematic review using the Prisma method</i> Marcela de Castro & Josiane Santos
	Online https://tinyurl.com/bdb38xec	<i>Towards Sustainable Cities: Integrating Clean Energy Generation and Smart Grid-Based Charging Infrastructure</i> Michele Lima		Online https://tinyurl.com/5pm9f3g	<i>Knowledge Management in Organizations: The Impact of Generation Z</i> Manuel Sousa Pereira
		<i>Smart Cities and the Nexus between Digital Inclusion and Energy Efficiency</i> Eric Zanghi			<i>The impact of social media on the reputation of Delta and Starbucks coffee brands</i> Manuel Sousa Pereira
				<i>A Framework for the Implementation of the ESG principles in Higher Education Institutions: A strategic plan for ISPGAYA</i> Nelson Neves	

Slot 18:00 19:30	Session 17 Room: 4.1	<i>Building Bridges to the Labour Market: The Role of BIPs in Developing Essential Competences</i> Filipa Silva
	Accounting & Tax Organization Chair: Ana Húngara	<i>The Essential Skills for an Accountant in the Digital Age: Professionals versus Education</i> Helena Costa Oliveira
	Online https://tinyurl.com/3afc2ad2	<i>Acquisition and development of soft skills in Accounting Degree: employers' expectations on graduates leading change</i> Filipa Silva

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Keynote Speaker Sessions

Room: Aud.

	23rd October	24th October
16:00 16:45	<p align="center">Emídio Sousa (Secretary of State for Portuguese Communities)</p> <p align="center"><i>TERRA Action Plan: Efficient Transformation of Waste into Environmental Resources</i></p>	<p align="center">Luís Borges Gouveia (Fernando Pessoa University, Portugal)</p> <p align="center"><i>Orchestrating intelligence: algorithmic governance in the post-digital era</i></p>
16:45 17:30	<p align="center">Rodrigo Cortopasi Goron Lobo (MSUBillings Montana, USA)</p> <p align="center"><i>From Industry 4.0 to 5.0: U.S. Regulatory Action, Innovation Pathways & Comparative Indicators</i></p>	<p align="center">Toacy Cavalcante de Oliveira (Piaget Institute, Insight Research Center)</p> <p align="center"><i>Human-Centered AI: Designing AI Systems that Adapt to Human-Factors</i></p>
17:30 18:00	Break	
18:00 18:45	<p align="center">Margarita Robaina (Aveiro University, Portugal)</p> <p align="center"><i>Multidimensional Impacts and Implementation Challenges of Wind and Solar Energy Investments: Insights from the R3EA Project</i></p>	<p align="center">Marija Mosurović (University of Belgrad, Serbia)</p> <p align="center"><i>Beyond Technological Innovation in European Companies: Evidence from the Community Innovation Survey</i></p>
18:45 19:30	<p align="center">Mara Madaleno (Aveiro University, Portugal)</p> <p align="center"><i>Financial Decisions and Sustainable Organizations: sustainability, innovation and AI challenges</i></p>	