

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	<i>RIAT - Responsible Innovation Assessment Tool, towards sustainability</i> Fernando Almeida	Session 2	<i>What Drives Hotel Scores? A Structural Model of Sentiment Orientation in Online Reviews</i> António Melo
	Room: Audit.	<i>Cybersecurity Vulnerabilities of Public Health Apps: A Case Study of SergasMóbil</i> Aida Quinteiros-Soliño	Room: 4.1	<i>From Footprints to Mindprints: understanding conscious consumption in tourism through a systematic review</i> Luzia Amorim
	Information Technology & Cybersecurity	<i>IoT in Healthcare</i> Filipe Costa	Sustainable Tourism & Leisure	<i>An Integrated Structural Equation Model of Organizational Resources, Managerial Perceptions, and Customer Sentiment in the Hospitality Sector</i> António Melo
	Chair: Justino Lourenço		Chair: Óscar Silva	<i>Rethinking trust in artificial intelligence through ethics and usefulness</i> Luzia Amorim
Slot 11:15 12:30	Session 3	<i>Environmental Footprint Assessment and Mitigation in Generative Artificial Intelligence</i> Miguel Magalhães	Session 4	<i>The Implementation of Dashboards for KPI Monitoring</i> Filipe Lourenço & Pedro Oliveira
	Room: Audit.	<i>Green IoT: Novel Strategies for Energy Efficiency and Environmental Impact Reduction</i> Justino Lourenço	Room: 4.1	<i>KPIs versus Metrics: Understanding the Differences and Applications</i> Claudia Costa
	Artificial Intelligence	<i>Automated Volume Measurement for Logistics Using Deep Learning and Image Processing</i> Michele Rodrigues	Accounting & Tax Organization	<i>Consumer Behaviour in Smartphone Purchase Decisions: Identity Construction and Symbolic Meaning</i> Paulo Pires
	Chair: José Arnaud	<i>IoT for Sustainability vs. Sustainable IoT: Applications and Practices for a Responsible Future</i> Nelson Neves	Marketing	
Slot 14:30 16:00	Session 5	<i>Real-Time Experimental System for Evaluating Torque Ripple Behavior and Enhancing Genetic Algorithms for Electric Motor Drives</i> Isabella Campos	Session 6	<i>A Novel Approach for Distributed Security on IoT with AI.</i> José Lopes
	Room: Audit.	<i>Improvement of a Digital Signal Generator with Harmonic Injection for Synchronous Reluctance Motor Control</i> Renan Silva	Room: 4.1	<i>Generative AI and Intellectual Property: Innovation, Cybersecurity, and Sustainability in European Regulation</i> Luísa Orvalho
	Electronics & Industrial Automation	<i>TinyML for Sustainable Futures: Energy- Efficient Edge AI and Environmental Innovation</i> Sérgio Silva	Chair: Fernando Almeida	<i>Comparative Evaluation of Angular and React in the Context of Web Development and Front-end Security: A Systematic Review</i> Carlos Sousa
	Chair: Mário Santos	<i>Power over Fiber: A CMOS-Compatible Approach for Remote Ultra-Low Power Temperature Sensors</i> Leonardo Sobral		<i>European Cybersecurity: Strategies for a Sustainable Digital Transition</i> Luísa Orvalho
Poster presentation: Patients' rights implications of artificial intelligence - Ana Cabral				
Slot 16:00 17:30	Session 7	<i>Smart Monitoring and Climate Resilience in African Ecosystems: Inclusive Innovation through International Collaboration</i> Tom Peeters	Session 8	<i>Deepfakes on social media and forensic analysis with AI: a bibliometric study</i> Pedro Oliveira
	Room: 5.1	<i>Sustainable and Decarbonized Industry: Emerging CO2 Technologies as a Contribution to Climate Mitigation</i> Luísa Orvalho	Room 4.1	<i>The impact of social media on the reputation of Delta and Starbucks coffee brands</i> Manuel Sousa Pereira
	Electronics & Industrial Automation	<i>Ultrasonic Sensor for Bird Activity Monitoring and Proactive Repulsion in Electrical Infrastructure</i> Leonardo Sá	Marketing	<i>Identifying patterns of co-occurrence in Neuromarketing, Emotions and Art: A systematic review with AI</i> Mário Chaparro
	Chair: Alexandre Diogo		Information Technology & Cybersecurity	<i>CAMED: A CEP-Driven Unsupervised Approach for Reducing False Positives in IoT Security</i> Wellison Santos
			Chair: Daniel Sousa	

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09:00 – 09:30 Opening Session Luísa Rodrigues , Vice-President of ISPGAYA Room: Audit.				
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Slot 9:30 10:45	Session 9	<i>Higher Education Institutions and Incubators as Catalysts of Smart Regional Development: The Case of ISPGAYA and NOVAGAIA</i> Nelson Neves	Session 10	<i>Combating dropout in vocational culinary training: an AI-driven approach for talent retention, innovation, and sector sustainability</i> José Correia
	Room: Audit.		Room: 4.1	
	Sustainable Entrepreneurship	<i>Sustainability of cork extraction based on reducing damage in the process</i> Filipe Silva	Education & Digital Technologies	<i>Inside the Bubble: Educational Values, Identity, and Competency Development in Traditional and Alternative Schools for a Sustainable Future</i> Ewa Listopadzka
	Business Management & Innovation	<i>Navigating Industry 4.0: Strategic Insights for Brazil from Germany, the EUA, and China in Digital Industrial Transformation Economics</i> Josélia Teixeira	Chair: Catarina Lucas	<i>Gamification as a Strategy to Enhance School Motivation in Students Under Selective Measures</i> Jorge Simões
	Chair: Daniel Sousa	<i>Permissioned Ledger and ESG Audit Efficiency in Forestry Projects</i> Nilton Furtado		<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

Poster presentation: Mapping Countries Through the Government AI Readiness Index - Ana Luís				
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Slot 11:15 12:30	Session 11	<i>Strategic Transformation of Dental Prosthetics Laboratories: Integrating Technology, Workforce Development and</i> Mariana Marques	Session 12	<i>Developing Students' Intellectual Potential through Artificial Intelligence in Education</i> Tetiana Kornieieva
	Room: Audit.		Room: 4.1	
	Industrial Automation & Electronics	<i>Sustainability of cork extraction based on reducing damage in the process</i> Filipe Silva	Education & Digital Technologies	<i>Academic Goals and Performance in Higher Education: The Impact of Gender and Grade Retention</i> Lúcia Miranda
	Mechanics, Innovation & Sustainability	<i>Managing Sustainability in Aviation: Institutional Strategies for Achieving Net- Zero Emissions by Mid-Century</i> Mariana Marques	Chair: Joana Paulo	<i>Supera-te: Transforming Higher Education through Cooperative Learning in the Digital Era</i> Ana Leitão
	Chair: Augusto Rego	<i>Sustainability in the context of networks with AI and ML for IoT</i> Pedro Oliveira		<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

Slot 14:30 16:00	Session 13	<i>Parameter Estimation of Lithium-Ion Battery Equivalent Circuit Models using a Heuristic Algorithm</i> Bruno Muraro Perondi	Session 14	<i>How does Artificial Intelligence affect operations in the Big Four (Deloitte, PwC, EY, KPMG)</i> José Castro
	Room: Audit.		Room: 4.1	
	Industrial Automation & Electronics	<i>Challenges and Perspectives on Behind-the-Meter Solar Generation Disaggregation</i> Matheus Almeida	Business Management & Innovation	<i>A study of the factors influencing household was separation, using Portugal as a case study</i> Daniel Sousa
	Chair: Eric Zanghi	<i>Automated Counting and Dimensional Measurement of Melons in Agricultural Settings Using deep Learning and Comp</i> Lucas Thomaz	Chair: José Oliveira	<i>Knowledge Management in Organizations: The Impact of Generation Z</i> Manuel Sousa Pereira
		<i>MAGIC IO – An open source LoRa Fieldbus system</i> Ricardo Mendes		<i>Navigating Industry 4.0: Strategic Insights for Brazil from Germany, the EUA, and China in Digital Industrial Transformation Economics</i> Josélia Teixeira
				<i>The Reduced Working Week</i> Carlos Bessa

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Slot 16:00 17:30	Session 15	<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	<i>Mapping the scientific landscape of leadership and digital transformation: Evolution, key authors, and global impact</i> Eva Lousã & Mário Lousã
	Room: 5.1		Room: 4.1	
	Smart Cities & Sustainability	<i>Community Development and Sustainable Cities: Analysing Brazilian capital cities against ISO 37120 and SDG 11</i> Thiago Spiri-Ferreira	Business Management & Innovation	<i>Waste management and social technologies: a systematic review using the Prisma method</i> Marcela de Castro & Josiane Santos
	Chair: Tiago Costa	<i>Towards Sustainable Cities: Integrating Clean Energy Generation and Smart Grid-Based Charging Infrastructure</i> Michele Lima	Chair: José Oliveira	<i>A Framework for the Implementation of the ESG principles in Higher Education Institutions: A strategic plan for ISPGAYA</i> Nelson Neves
		<i>Smart Cities and the Nexus between Digital Inclusion and Energy Efficiency</i> Eric Zanghi		

Slot 18:00 19:30	Session 17	<i>Building Bridges to the Labour Market: The Role of BIPs in Developing Essential Competences</i> Filipa Silva
	Room: 4.1	
	Accounting & Tax Organization	<i>The Essential Skills for an Accountant in the Digital Age: Professionals versus Education</i> Helena Costa Oliveira
	Chair: Ana Húngara	<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

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