

# COMPASS Conference paper presentations 4.10.2023

## Topics & Chairpersons

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### **Sustainable Energy, Transport, Mobility for Smart Cities**

Chairperson(s): Escaño & Harmaala

Place: 2nd floor, room 2002

2

### **Ageing & Wellbeing**

Chairperson(s): Atreya & Rowell

Place: 8th floor, room 8202

3

### **Tourism, Arts & Heritage**

Chairperson(s): Holmberg & Tei

Place: 6th floor, room 6213

4

### **Sustainable Entrepreneurship and Impact**

Chairperson(s): Lassila & Paasio

Place: 2nd floor, room 2202

5 & 6

### **Digitalization, Robotics and Cybersecurity Transforming the Future & Applied AI for Business and Education**

Chairperson(s): Humala & Kupiainen

Place: 1st floor, Auditorium

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### **Socio-ecological Sustainability**

Chairperson(s): Buttschardt & Nyberg

Place: 2nd floor, room 2204

## Timetable

Time	<u>Topic 1</u>	<u>Topic 2</u>	<u>Topic 3</u>	<u>Topic 4</u>	<u>Topics 5 &amp; 6</u>	<u>Topic 7</u>
11:00	Aldarraji (virtual)	Kruja (virtual)	Loya Montiel (virtual)	Wieser (virtual)	Aunimo	Leone
11.15	Tenorio-Alfonso (virtual)	Sánchez-Trigo (virtual)	Toro Piqueras (virtual)	Shrestha (virtual)	Aguilar Moreno	Calderón
11.30	Falah (virtual)	Rodriguez (virtual)	Dezfoulan (virtual)	Thavisay	Marrón-Esquivel	Cerruti
11.45	Gachkar (Sadaf)	Martín-López (virtual)	Toro-Sánchez	Römer-Paakkanen	Koskinen	Obando
12.00	Ingber	Zamorano-Aguilar (virtual)	Simmarano	Thapaliya	Capitán-Agudo	Morón-Ortiz
12.15	Dorado Galatoire	Sethi	Priarone	Holmberg	Velo	García-Pardo

**12:30-13:30: Lunch break**

## Timetable

Time	<u>Topic 1</u>	<u>Topic 2</u>	<u>Topic 3</u>	<u>Topic 4</u>	<u>Topics 5 &amp; 6</u>	<u>Topic 7</u>
13:30	Gachkar (Darya)	Romero-Herrera	Rodríguez Roldán	Raisova	Crespo-Rincón	Macías Recio
13.45	Costa	Gallardo-Fernández	Rodríguez Pérez	Deki	Alonso	Herrero-Gómez
14.00		Carle	Suominen	Puma Flores	Romero-Martín	Romero-Jiménez
14.15		Ortega-Campos	González-Vázquez	Puhakainen	Domínguez Cid	Jung-Majanen
14.30		Villa del Pino	Piccardo	Rabgay	Tuomi	Sechi
14.45		Fernández Scagliusi	Company Almagro	Cascajosa-Lira	Galvin (virtual)	Ozuni

**15:00-15:30: Coffee break**

## Timetable

Time	<u>Topic 1</u>	<u>Topic 2</u>	<u>Topic 3</u>	<u>Topic 4</u>	<u>Topics 5 &amp; 6</u>	<u>Topic 7</u>
15.30		Jiménez Rus	Onofrejová		Septiani (virtual)	Rey-Álvarez (virtual)
15.45		Soldán-Hidalgo			Urrea (virtual)	
16.00		Rivera-Ramos				
16.15		Lozano-Gómez				
16.30		Kiviaho-Kallio				
16.45		Traversa				
17.00		Quiñones-Cañete				
17.15		Mora-Romero				
17.30		Gallego-López				
17.45		Serrano Alarcón				



# List of presentation

(arranged by topics and in order of presentation)

## TOPIC 1 (Sustainable Energy, Transport, Mobility for Smart Cities)

**ALDARRAJI** – Investigating City Clustering Based on Temperature, Power Supply, and Power Demand. An Analysis Utilizing Self-Organized Map and K-means Clustering Algorithms

**TENORIO-ALFONSO** – Fumed silica nanoparticleD-limonene nanofluids as a platform for heat transfer at low-temperature conditions

**FALAH** – Application of circularity tools for evaluation the sustainability of urbanization process (case study; city of Seville)

**GACHKAR (Sadaf)** – Building Information Modelling and Advanced Technologies in Life Cycle Assessment of Refurbishment of Buildings in Spain

**INGBER** – How does Lithium electrodeposit in open-porous Cu micro-foams for Zero-Excess Lithium Metal Batteries?

**DORADO GALATOIRE** – Final electricity demand: Understanding the behaviour of the Spanish large consumers for their incorporation to the energy transition

**GACHKAR (Darya)** – Life Cycle assessment of vertical green systems of landscaping through the “BIM” and “Advanced Technologies” in Spain

**COSTA** – Pathways to build back better: comparing Italy, France and Spain strategies to face green and smart transition of infrastructural network

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## TOPIC 2 (Ageing & Wellbeing)

**KRUJA** – Exploring the Link Between Blue-Green Spaces and Well-being: A Survey of Shkodra's Lake, Albania

**SÁNCHEZ-TRIGO** – Wearable Technology for Osteoporosis Prevention: Effects of a Non-Supervised Physical Activity Program

**RODRIGUEZ** – The Lighting Behavior in Middle Level Homes in Ciudad Victoria Tamaulipas, Mexico from the Perspective of the Sick Building Syndrome

**MARTÍN-LÓPEZ** – Modeling chronic cervical spinal cord injury in aged rats for cell therapy studies

**ZAMORANO-AGUILAR** – Effect of apocarotenoids on  $\beta$ -Amyloid model in *Caenorhabditis elegans* as a proxy for Alzheimer disease

**SETHI** – Best Practices to Ensure the Wellbeing of Autistic Air Travelers

**ROMERO-HERRERA** – Skeletal muscle oxidative and energetic balance during adolescence in rats is disturbed by binge drinking

**GALLARDO-FERNÁNDEZ** – Hydroxytyrosol Decreases LPS- and  $\alpha$ -Synuclein-Induced Microglial Activation In Vitro

**CARLE** – Aging, cancer and environment in bone physiopathology: Role of autophagy

**ORTEGA-CAMPOS** – Interactions of circadian clock genes with the hallmarks of cancer

**VILLA DEL PINO** – Analysis of adherence to physiotherapy treatment based on pelvic floor muscle exercise in male urinary incontinence

**FERNÁNDEZ SCAGLIUSI** – Bioimpedance Spectroscopy-Based Edema Supervision Wearable System for Noninvasive Monitoring of Heart Failure

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## TOPIC 2 (Ageing & Wellbeing)

**JIMÉNEZ RUS** – Women's oral microbiome in hyposalivation aging-related and disease

**SOLDÁN-HIDALGO** – Galectin-3 shapes toxic alpha-synuclein strains in Parkinson's disease

**RIVERA-RAMOS** – Aged microglia promote pro-inflammatory microenvironment and tumour growth arrest

**LOZANO-GÓMEZ** – Long-Life Wellness from an Architectural Perspective

**KIVIAHO-KALLIO** – If I Were a Silver Swan: An arts-based dialogue with the ageing body

**TRAVERSA** – Assessing the willingness to use an innovative LTP service for seniors: the Genoese case of SilverBus

**QUIÑONES-CAÑETE** – Role of NICD overexpression in the cerebral vasculature of an Alzheimer's disease mouse model

**MORA-ROMERO** – Microglia mitochondrial complex I deficiency induces glial dysfunction, cognitive deficit, and early lethality

**GALLEGO-LÓPEZ** – Folic acid homeostasis and its pathways related to hepatic oxidation in adolescent rats exposed to binge drinking

**SERRANO ALARCÓN** – Personalised sleep medicine through the development of digital twins

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## TOPIC 3 (Tourism, Arts & Heritage)

**LOYA MONTIEL** – Typification of facades in historical housing in Los Mochis, Sinaloa, Mexico

**TORO PIQUERAS** – The Sublimation of Looking: Aesthetics of Mysticism in the Cinema of Abbas Kiarostami

**DEZFOULIAN** – Role of the Intangible Cultural Heritage recognized by UNESCO as a Regenerative Tourism resource. Case study: Nowruz, the Persian new year celebrations

**TORO-SÁNCHEZ** – Model of integration of Fishing Tourism in the destination Tarifa (Spain). A sentiment analysis with face recognition and machine learning techniques

**SIMMARANO** – Translation in music: the exportation of modern culture through the translation music lyrics

**PRIARONE** – Sustainable tourism in inner areas. The case of Val di Vara (Liguria, Italy)

**RODRÍGUEZ ROLDÁN** – Foreign women artists in Spain between 1914 and 1936 and the artistic and social revolution of Spanish women

**RODRÍGUEZ PÉREZ** – Creating discourses, integrating ideas: The Antonine Chancery as the first large-scale European communication network

**SUOMINEN** – Effects of medium-sized opera festival on hotel sector in Finland, a differences-in-differences approach

**CONZÁLEZ VÁZQUEZ** – Ethnopharmacological studies, a win-win for society and depopulated rural areas: the case of the Sierra de Aracena y Picos de Aroche Natural Park, southern Spain

**PICCARDO** – The Cineversity experience: 15 months of permanent festival of cinema as public engagement action

**COMPANY ALMAGRO** – Students of Tourism as Hotel Representatives engaged in Mediated Service Encounters: A Pragmatic Analysis

**ONOFREJOVÁ** – Contribution to Human Maintenance as Tool For Sustainable Health

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## TOPIC 4 (Sustainable Entrepreneurship and Impact)

**WIESER** – Inclusive and sustainable leadership in family firms: a cross-cultural approach among Japan and Austria  
**SHRESTHA** – Entrepreneurial aspirations of Students. Ambiguity, Interactions and Fluidity

**THAVISAY** – Is Case Challenge an Entrepreneurial Motivational Tool?

**RÖMER-PAAKKANEN** – Active Ageing for 50+ Entrepreneurs and Sustainable Development for Rural Areas

**THAPALIYA** – Challenges and opportunity in entrepreneurship growth in Nepal

**HOLMBERG** – Coaching as a tool to enhance entrepreneurship among university students

**RAISOVA** – Creative Networks Learning

**DEKI** – Assessing the quality level of Entrepreneurship Trainings in Higher Education in Bhutan

**PUMA FLORES** – Promoting sustainability, Corporate Social Responsibility, and online presence of companies: B2B Reputation model for food exporters

**PUHAKAINEN** – Exploring Sustainability Competence Needs in the Finnish Tourism and Hospitality Industry

**RABGAY** – Assessment of the Entrepreneurship Ecosystem in Bhutan, Nepal and Laos

**CASCAJOSA-LIRA** – Toxicity evaluation of propil-propane thiosulfonate, a new additive for animal feed



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## TOPIC 5 & 6 (Digitalization, Robotics and Cybersecurity Transforming the Future & Applied AI for Business and Education)

**AUNIMO** – Mining user sentiment on healthcare during COVID-19

**AGUILAR MORENO** – Analysing opinions on the COVID-19 passport using Natural Language Processing (NLP)

**MARRÓN-ESQUIVEL** – A comparative study of the inter-observer variability on Gleason grading against Deep Learning-based approaches for prostate cancer

**KOSKINEN** – Artificial intelligence in international business research: a systematic literature review

**CAPITÁN-AGUDO** – Summary of Analyzing How Process Mining Reports Answer Time Performance Questions

**VELO** – Cognitive Cyber Security: An approach applied to Phishing

**CRESPO-RINCÓN** – Information society and socio-economic characteristics in Europe. A typology of regions

**ALONSO** – AGORA - Automated Generation of Test Oracles for REST APIs

**ROMERO-MARTÍN** – What role do Information and Communication Technologies play in fuelling animosity? Delving into the transmission channels through affective polarization is transmitted online

**DOMÍNGUEZ CID** – Identification of olives in Hyperspectral Images using lightweight classifiers for green table olives

**TUOMI** – Human-Computer Interaction in the Age of GenAI: Implications of Simulacra for Service Business

**GALVIN** – Legal Analysis of the Use of Robots in Medicine

**SEPTIANI** – Artificial intelligence in the classroom: it's not about the software, it's about the learner-AI creative engagement

**URREA** – Robot-Assisted Intervention for Word Learning in Children with Autism Spectrum Disorder

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## TOPIC 7 (Socio-ecological Sustainability)

**LEONE** – Advancing Science and Society: Unveiling the Societal Readiness Level (SRL) for Holistic Integration of Innovations

**CALDERÓN** – Mapping Residential Segregation, Socio Spatial Inequalities and Spatial Patterns Through Machine Learning Tools. A Socio Ecological and Sustainability Challenge

**CERRUTI** – Politics and city growth in Italy: do connections matter?

**OBANDO** – Exploring the Circular Economy of Electrical and Electronic Equipment: A Comprehensive Analysis of Consumer Electronics

**MORÓN-ORTIZ** – Green ultrasound-assisted extraction of carotenoids from phytoene-enriched *Chlorella sorokiniana* microalgae: influence of grinding and evaluation of the environmentally friendly solvents

**GARCÍA-PARDO** – Characterising seasonal dynamics of urban vegetation at a neighbourhood scale: Application of very high-resolution satellite imagery

**MACÍAS-RECIO** – Catastrophic aesthetics. A new term for the resurgence of sensitivities

**HERRERO-GÓMEZ** – Enhancing symbiotic dialogue through rhizobial membrane vesicles

**ROMERO-JIMÉNEZ** – Nitrate Regulation of Chloride Uptake in Higher Plants and Identification of Transport Mechanisms

**JUNG-MAJANEN** – Map and Gap Analysis of Sustainable Packaging from Art/Design and Learning Perspectives

**SECHI** – The mother hen effect and students' mobility

**OZUNI** – Local Public Service Delivery: The Italian Practice

**REY-ÁLVAREZ** – Life Cycle Assessment and biohabitability. Adaptation of the LCA methodology to include criteria of environmental health in building systems