# CARMA 2024

6 th International Conference on
Advanced Research Methods and Analytics

June 26-28, 2024

Valencia, Spain

# CARMA 2024

Valencia                    26-28 June 2024

# INDEX

## Welcome Message

Welcome to the Sixth International Conference on Advanced Research Methods and Analytics (CARMA 2024), held at the Universitat Politècnica de València, Spain, from June 26 to 28, 2024. We are thrilled to bring together a global community of thinkers and innovators in Social Sciences to explore the profound impact of Internet and Big Data on research and societal advancements.

This year's CARMA conference showcases an array of outstanding papers selected through a rigorous double-blind review process, led by Maria Rosalia Vicente and Pablo de Pedraza, along with a dedicated international scientific committee. Following the call for papers, the conference received 76 paper submissions from all around the globe. A total of 50 high-quality papers were accepted for oral presentation, covering a wide range of research topics on the Internet and Big Data, including public opinion mining, web scraping, search engine data, natural language processing, machine learning forecasting, and digital economy governance, among others. The program also featured nine poster presentations with promising work-in-progress research.

Our keynote presentations will offer compelling insights into emerging methodologies in social science. The program features Mercè Crosas, who leads the Computational Social Sciences initiative at the Barcelona Supercomputing Center. Her address will explore the new digital methodologies enhancing the interplay between social sciences and data science. Another highlight is the presentation by Zhijing Jin, affiliated with the Max Planck Institute and ETH Zurich, who will discuss the transformative potential of natural language processing and large language models in social science research. Lastly, Jan Kinne, a postdoc at the Center for European Economic Research and Harvard University, will share his expertise on the innovative use of web data for economic research. These speakers underscore the conference's focus on the integration of advanced data techniques in the study of economic and social phenomena.

The conference also features five tutorials designed to provide hands-on experience with cutting-edge methodologies. These tutorials will cover a range of topics vital for researchers in the field. The first deals with computational text analysis methods, offering practical applications for theory building. Another tuto-



Josep Domenech

rial focuses on topic modeling techniques, exploring various algorithms and their suitability for different data types. The session on LinkedIn data highlights how researchers can use this platform for business and economic research. Another tutorial addressed best practices for obtaining accurate data from Google Trends, including theoretical insights and case studies. Lastly, a tutorial on bibliometric literature reviews integrates Big Data and AI to navigate complex information landscapes, equipping researchers with advanced methodologies to enhance their literature review processes.

Moreover, the conference includes, for the first time, a session on career opportunities in Data Science and Business Intelligence, featuring a panel talk and open hour with Lidl Data & AI executives. This session is targeted at students from various academic backgrounds, providing insights into career paths, application tips, skill development, and certification guidance.

The conference organizing committee would like to thank all who made this sixth edition of CARMA a great success. Specifically, thanks are indebted to the authors, scientific committee members, invited speakers, session chairs, reviewers, presenters, sponsors, supporters, and all the attendees. We are particularly grateful to IVIE and Lidl for their generous and continuous support. Our final words of gratitude must go to the Faculty of Business Administration and Management of the Universitat Politècnica de València for their unwavering support of CARMA 2024.

Welcome to CARMA 2024! We look forward to a stimulating and enriching conference experience with you.

June 2024

Josep Domenech
General Chair

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Tiziana Tuoto, Italian National Institute for Statistics
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Samuel Yanes, University of Sevilla

# Brief Program

| | Wednesday 26 | Thursday 27 | Friday 28 | |
|---|---|---|---|---|
| 9:00-10:30 | **Opening** / **Keynote I** Mercè Crosas | **3a.** Natural Language Processing and Information Quality <br> **3b.** Politics, Social Media & Forecasting | **6a.** Google Trends <br> **6b.** Internet and Big Data Applications | 9:00-10:30 |
| 10:30-11:00 | **Coffee break** | | **Poster session & Coffee break** | 10:30-11:15 |
| 11:00-12:00 | **1a.** Social Media & Public Opinion Mining I <br> **1b.** Bibliometrics & Sciencetometrics | **4a.** Sustainability and Development <br> **4b.** Finance applications | **7a.** Digital Economy Governance <br> **7b.** Industry Adoption & Future of Work | 11:15-12:15 |
| 12:00-13:00 | | **Keynote II** Zhijing Jin | **Keynote III** Jan Kinne | 12:15-13:15 |
| 13:00-14:30 | **Lunch break** | | **Closing** | 13:15-13:45 |
| 14:30-15:45 | **2a.** Social Media & Public Opinion Mining II <br> **2b.** Web Scraping | **Career Opportunities in Data Science (industry)** <br> **5b.** Machine Learning Forecasting | **Steering Committee Meeting** | 15:30-17:00 |
| 15:45-16:15 | **Coffee break** | **Coffee break** | | |
| 16:15-18:15 | **T1.** Computational Text Analysis <br> **T4.** Google Trends Data | **T2.** Topic Modelling <br> **T3.** LinkedIn Data <br> **T5.** Bibliometric literature review with AI | | |
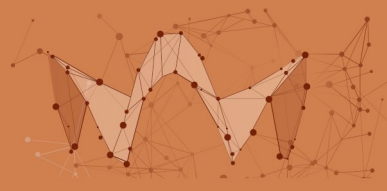
## Keynote

# The new Computational Social Sciences program at the Barcelona Supercomputing Center

## Mercè Crosas

Wednesday 26, 9:30-10:30
Room: *Salón de Actos*

**Dr. Mercè Crosas** currently leads the Computational Social Sciences program at the Barcelona Supercomputing Center (bsc.es), a new program to facilitate the use of data and supercomputing in social science and humanities, foster collaboration between social and computer scientists, and conduct cutting-edge research in these areas. Dr. Crosas is also President of CODATA (codata.org), an organization affiliated with the International Science Council (ISC), whose mandate is to be the scientific data committee of the ISC, provide recommendations on data access and sharing, and support open science. From 2021 to 2022, Dr. Crosas was the Secretary of Open Government at the Generalitat de Catalunya, where she was responsible for open data, transparency, and civic participation. Prior to that, she spent most of her scientific career at Harvard University, as Chief Data Science and Technology Officer at the Institute for Quantitative Social Sciences and University Research Data Management Officer. She has also led data systems development in biotech companies and has conducted research and scientific engineering in astrophysics at the Harvard-Smithsonian Center for Astrophysics. Crosas holds a doctorate in Astrophysics from Rice University and a degree in Physics from the University of Barcelona.
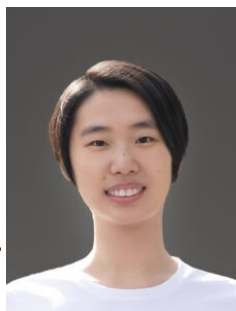


Mercè Crosas

## KEYNOTE
# THE RISE OF LARGE LANGUAGE MODELS

## Zhijing Jin

Thursday 27, 12:00-13:00
Room: *Salón de Actos*

Zhijing Jin

**Zhijing Jin** is a Ph.D. at Max Planck Institute & ETH. Her research focuses on socially responsible NLP by causal inference. Specifically, she works on expanding the impact of NLP by promoting NLP for social good, and developing CausalNLP to improve robustness, fairness, and interpretability of NLP models, as well as analyze the causes of social problems. She has published at many NLP and AI venues (e.g., ACL, EMNLP, NAACL, NeurIPS, AAAI, AISTATS). Her work has been featured in MIT News, ACM TechNews, and Synced. She is actively involved in AI for social good, as the organizer of NLP for Positive Impact Workshops at ACL 2021, EMNLP 2022, and EMNLP 2024, Moral AI Workshop at NeurIPS 2023, and RobustML Workshop at ICLR 2021. To support the NLP research community, she organizes the ACL Year-Round Mentorship Program. To foster the causality research community, she organized the Tutorial on CausalNLP at EMNLP 2022, and served as the Publications Chair for the 1st conference on Causal Learning and Reasoning (CLeaR). More information can be found on her personal website: zhijing-jin.com

Traditionally, research in social science requires a large amount of effort to conduct human studies and accurate data. With the latest advancement in natural language processing (NLP), especially large language models (LLMs), we see a methodology revolution for traditional social science research. In this talk, I will introduce the use of NLP and LLMs on various aspects of computational social science research. First, I will introduce NLP as a tool to distill key information from massive text, such as social media, news articles, and other sources. Based on the data processed by NLP, we can then conduct causal analysis to answer important questions, such as the cause and effect of policies. Furthermore, LLMs can also be a study subject of itself, for which we can probe the moral bias and political bias, as well as understanding how certain decisions are made.

# WEBAI: A GLOBAL SYSTEM FOR WEB-BASED COMPANY ANALYTICS

## Jan Kinne

Friday 28, 12:15-13:15
Room: *Salón de Actos*

**Jan Kinne** is a postdoc in the research area "Economics of Innovation and Business Dynamics" at the Center for European Economic Research and a postdoctoral fellow at the Center for Geographic Analysis at Harvard University. He studied geoinformatics at the University of Heidelberg and received his PhD from the University of Salzburg on the topic of "web-based innovation indicators for microgeographic analyses". He continues to conduct methodological research around the use of (text-based) web data for innovation research. He is also the founder and CEO of ISTARI.AI. The company specializes in AI-based analysis of enterprise web data.



Jan Kinne

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# Wednesday 26
**Full papers: 15 min presentation plus 5 min Q&A**

## Session 1a. Social media and public opinion mining I
Wednesday 26, 11:00 – 13:00. Room: *Salón de Actos*. Chair: Lisa Crosato

Who Enjoys the Lion's Share? Unveiling Sentiment of the Media in Indonesia's Presidential Election Using Large Multi-Language Model
Angga Wahyu Anggoro, Ani Tri Wahyuni

Economic forecasting with non-specific Google Trends sentiments: Insights from US Data
Sami Diaf, Florian Schütze

#SDG5 – Social Media Intelligence analysis of Gender Equality
Enara Zarrabeitia Bilbao, Izaskun Alvarez Meaza, Maite Jaca-Madariaga, Rosa María Rio Belver

A multi-platform framework for nowcasting social phenomena: a case study for food insecurity
Bia Silveira Carneiro, Giuliano Resce, Giulia Tucci, Giosuè Ruscica, Nicola Caravaggio, Laura Fanelli, Agapito Emanuele Santangelo, Pietro Cruciata

Unveiling New Insights From Textual Unstrructured Big Data in Politics Through Deep Learning
Ufuk Caliskan, Angela Pappagallo, Francesco Ortame, Mauro Bruno, Francesco Pugliese

The use of non-official data source for the analysis of public events: evidences from the Eurovision Song Contest 2022
Alessia Forciniti, Andrea Marletta, Magda Moretti

## Session 1b. Bibliometrics and sciencetometrics
Wednesday 26, 11:00 – 13:00. Room: *Aula 2.2*. Chair: Ana María Debon

A Bibliometric Study of Stakeholder Opinion Mining and Sentiment Analysis in Crisis Communication
Homa Molavi, Lihong Zhang

Digital Transformation in Supply Chain Management: A Bibliometric Analysis
Lihong Zhang, Saeed Banihashemi, Aiwen Rui, Song Chen

A scientometric review on green manufacturing systems for small and medium sized enterprises (SMEs)
Jorge Naranjo Perez, Lihong Zhang, Xirong Li

The confluence of project and innovation management: Scientometric mapping
Lihong Zhang, Saeed Banihashemi, Yujue Zhang, Song Chen

## Session 2a. Social media and public opinion mining II

Wednesday 26, 14:30 – 15:45. Room: *Salón de Actos*. Chair: Izaskun Alvarez Meaza

### Vaccine voices in the digital sphere: a multilayer network analysis of online forum discussion in Taiwan
Jason Dean-Chen Yin

### The Invasion of Ukraine Viewed through Large-Scale Analysis of TikTok
Benjamin David Steel, Sara Parker, Derek Ruths

### Analysis of the trend of tourist visits through photographs uploaded on social media
María del Rocío Martínez-Torres, Myriam González-Limón, Javier Quirós-Tomás, Lourdes Cauzo-Bottala

### TikTok vs. the Fourth Estate: Engagement With News on TikTok
Sara Parker, Benjamin Steel, Derek Ruths

## Session 2b. Web scraping

Wednesday 26, 14:30 – 15:45. Room: *Aula 2.2*. Chair: Ana María García Berbaneu

### Exploring Enotourism's Impact on Winery Competitiveness through Online Data
Jose Baixauli, Ana María Debon, Roberto Elias Cervello, Josep Domenech

### In What is Europe Investing? A Text Mining Approach on Cohesion Projects
Nicola Caravaggio, Giuseppe Di Renzo, Laura Fanelli, Giuliano Resce, Agapito Emanuele Santangelo

### Can websites reveal the extent and degree to which a business's values reflect national policy? A text embeddings approach
Alexander Hogan, Stephanie Cussans Moran, Kevin Hogan, Beth Barker, Richard Woodall

### Augmenting the Italian Third Sector registry using non-profit organisations' websites
Carlo Bottai, Francesco Trentini, Anna Velyka

# Tutorial 1

Wednesday 26, 16:15 – 18:15. Room: *Aula 2.2*

## Computational Text Analysis Methods and an Application for Theory Building
Eyyub C. Odacioglu and Azar Shahgholian

This tutorial seeks to enhance awareness and understanding of text analysis methods while providing a comprehensive overview of applications and platforms for their development. The tutorial is structured into three parts to facilitate a thorough exploration.

The first part will begin with an overview of the current landscape in big textual data applications and potential data sources. Subsequently, scholars will delve into the exemplary software tools employed in these applications. The focus will then shift to an introduction to topic modelling, an unsupervised text analysis application, concluding a showcase of the latest advancements in topic modelling through a practical example.

The second part will involve participants in a hands-on session, employing the round-table work method, a novel approach to theory building in text analysis. This approach analyses existing publications and builds new knowledge with the participation of participants. This interactive session aims to provide participants with practical experience and a deeper understanding of the concepts presented.

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The final part will involve a closing discussion on the applications and results of the round-table work, offering participants an opportunity to reflect on the process, reconstructed knowledge, and the practice of theory building in text analysis.

# Tutorial 4

Wednesday 26, 16:15 – 18:15. Room: *Aula 2.1*

## Obtaining accurate Google Trends data
Eduardo Cebrián

In recent years, Google Trends (GT) has been used to predict real-world variables in a multitude of fields such as finance, medicine, politics or economics, among others. However, despite its widespread use in the literature, several authors have expressed concerns about the accuracy issues of the data reported by Google and how these issues might affect the reproducibility of studies which use GT data. This tutorial presents a method to understand and identify these accuracy issues and how to treat them.

During the tutorial this method is explained in detail, first from a theoretical standpoint and later a case study with real life data is performed so that participants have the chance to test and learn this method. Finally, the main purpose of this workshop is to help establish a set of good practices when handling GT data in order to enhance the reproducibility of future scientific work which makes use of it.

# THURSDAY 27

## Session 3a. Natural Language Processing and Information Quality

Thursday 27, 09:00 – 10:30. Room: *Salón de Actos*. Chair: Konstantinos Tsagarakis

Topic Modelling with Constructivist Grounded Theory: A Way of Big Textual Data Analysis for Theory Building
Eyyub Can Odacioglu, Lihong Zhang, Richard Allmendinger, Azar Shahgholian

Using texts to measure proximity between firms
Alessandro Marra

Evaluating coherence in AI-generated text
María Olmedilla, José Carlos Romero, Rocío Martínez-Torres, Nicolas R. Galván, Sergio Toral

A Comparative Analysis of Companies Missing from the SABI Database through BORME Gazette Web Scraping
Xin-hui Huang Chen, Josep Domenech

## Session 3b. Politics, social media and forecasting

Thursday 27, 09:00 – 10:30. Room: *Aula 2.2*. Chair: Ana Suárez

Electoral abstention and information sources among undergraduate university students
Jorge Mora Rojo, José Manuel Tomás, Víctor Yeste, Eduardo Cebrián

Read between the headlines: Can news data predict inflation?
Alan Chester Arcin, Ma. Ellysah Joy Guliman, Genna Paola Centeno, Jacqueline Margaux Herbo, Sanjeev Parmanand, Cherrie Mapa

Nowcasting food insecurity interest Google Trends data
Nicola Caravaggio, Bia Carneiro, Giuliano Resce

Male Supremacy Online An Investigation of Incel Ideology Through Qualitative Content Analysis and Active Machine Learning
Mara Theresa Weber

## Session 4a. Sustainability and development
Thursday 27, 11:00 – 12:00. Room: *Salón de Actos*. Chair: Giuliano Resce

Mapping Circular Economy in Spain with LinkedIn data
Theodoros Daglis, George Tsironis, Pavlos Fafalios, Konstantinos P. Tsagarakis

Enhancing Conflict Mediation Research: Introducing the Innovative Global
Peace Actors Database (GLO-PAD)
Elisa D'Amico, Mateja Peter

A Case Study in Understanding Information Sharing of a Fast Fashion Brand
H&M Regarding Sustainability
Mary Laureen Suttle, HaeJung Kim, Hsia-Ching Chang, Xin Wang

## Session 4b. Finance applications
Thursday 27, 11:00 – 12:00. Room: *Aula 2.2*. Chair: María R. Vicente

Data-Driven Strategies for Early Detection of Corporates' Financial Distress
Donato Riccio, Giuseppe Bifulco, Paolone Francesco, Andrea Mazzitelli, Fabrizio Maturo

Multilingual Monetary Policy: Unfolding Language and Policy Preferences of
Swiss Central Bankers
Sami Diaf, Florian Schütze

Unlocking the Potential of Machine Learning in Portfolio Selection: A Hybrid
Approach with Genetic Optimization
Chaher Alzaman

## Career Opportunities in Data Science & Business Intelligence
Thursday 27, 15:00 – 16:00. Room: *Salón de Actos*

A Panel Talk / Open Hour with Lidl Data & AI Executives
Giacomo Vincenzo Demarie, Paul Asbury, Gilbert Spiegel, Markus Herrmann

## Session 5b. Machine Learning Forecasting
Thursday 27, 14:30 – 15:45. Room: *Aula 2.2*. Chair: Fons Wijnhoven

Boosting XGBoost and Neural Networks – Using the Panel Dimension to Improve Machine-Learning-Based Forecasts in Macroeconomics
Jonas Dovern, Johannes Frank

Prediction of SMEs Bankruptcy at the Industry Level with Balance Sheets and
Website Indicators
Carlo Bottai, Lisa Crosato, Caterina Liberati

Violence Index: a new data-driven proposal to conflict monitoring
Luca Macis, Marco Tagliapietra, Elena Siletti, Paola Pisano

Potential of ChatGPT in predicting stock market trends based on Twitter Sentiment Analysis
Ummara Mumtaz, Summaya Mumtaz

# Tutorial 2

Thursday 27, 16:15 – 18:15. Room: *Aula 2.2.*

## Review of most popular Topic Modelling techniques

Mauro Bruno, Francesco Pugliese

Topic modeling is used in information retrieval to infer the hidden themes in a collection of documents and thus provides automatic means to organize, understand and summarize large collections of textual information. Topic models also offer an interpretable representation of documents used in several downstream Natural Language Processing (NLP) tasks. Topic modeling is applied in different fields ranging from bioinformatics to economics, and social sciences, by detecting patterns like clustering algorithms which partition data.

There are several algorithms and models available to extract topics from texts (large corpora), which arise from different families:

1. Native Bayesian generative probabilistic model such as Latent Dirichlet Allocation, Correlated Topic model, Probabilistic Latent Semantic Analysis (PLSA)

2. Linear algebra models, based on matrix decompositions such as Latent Semantic Analysis, Non Negative Matrix Factorization

3. Clustering algorithms on Word Embedding spaces such as Top2Vec, BERTopic.

Some of these families may be suitable for some tasks and kind of data, while others preferable in other cases. The different models differ in simplicity, computation efficiency, and modeling assumptions. They accordingly differ in how they perform on different corpora and different applications. There is little consensus on the aspects of topic model evaluation. There have also been different methods to evaluate a specific aspect.

The tutorial will illustrate pros and cons (for instance sensitivity to outliers, necessity or not of text cleaning) for the above-mentioned methods. In addition, few evaluation criteria will be discussed such as: quality (coherence and perplexity measures); interpretability; stability; topic diversity.

# Tutorial 3

Thursday 27, 16:15 – 18:15. Room: *DECS Lab*

## LinkedIn data for Business and Economics

Konstantinos Tsagarakis

LinkedIn serves as a valuable discourse metric in the realm of professional networking and communication. It acts as a multifaceted platform where individuals, businesses, and organizations engage in discussions, share insights, and showcase their expertise. In this regard, it is not merely a social network but a dynamic ecosystem that reflects the discourse and trends within various industries and fields. LinkedIn's dynamic nature captures the evolving sentiments and discussions of important global topics.

LinkedIn's data quality and importance have been well highlighted with many researchers having extensively used online data from social networking platforms on different topics. A recent Scopus search with "LinkedIn" in the articles' "Title", "Abstract" or "Keywords" resulted in 3030 documents with most popular subject areas being the "Computer Science", "Business management and Accounting" and "Social Sciences" with 1446, 651 and 650 hits, respectively.

In this tutorial, LinkedIn will be used as a data source for searching into company profiles and job posts as it provides huge data volumes, while a user standard profile version can be created and maintained for free.

On LinkedIn, companies state in their online profiles the topics they operate in. With the use of keywords certain number of companies among the 70.000.000 available online can be selected. Then their profiles can be scrapped for selecting information based on predefined fields they need to enter to the platform to showcase new variable creation techniques.

## Tutorial 5
Thursday  27, 16:15 – 18:15. Room: *Aula 2.1*

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### Bibliometric literature review in the era of Big Data: Challenges and opportunities
Lihong Zhang, Saeed Banihashemi

Bibliometric literature review stands as a fundamental aspect of research methodologies, providing a comprehensive overview of scholarly works and guiding future inquiry across various academic fields. Its importance transcends disciplinary boundaries, fuelling innovation and discovery. However, the rise of Big Data and artificial intelligence (AI) introduces both opportunities and complexities to literature review practices.

In the modern research landscape, scholars encounter a convergence of traditional methods and cutting-edge technology. Big Data and AI reshape how researchers approach literature reviews, offering new insights but also posing challenges in navigating vast amounts of information. Despite this, scholars can leverage advanced analytics and machine learning to uncover hidden trends and connections within the scholarly landscape.

AI-driven tools enable researchers to automate tasks like data extraction and citation analysis, streamlining the review process for more efficient knowledge discovery. Yet, ethical considerations must accompany these advancements to maintain academic integrity.

The fusion of bibliometric literature review with Big Data and AI represents a dynamic frontier where tradition meets innovation. Scholars are prompted to adapt their methodologies and embrace technological advancements while upholding scholarly principles. This transformative landscape holds the promise of unlocking new knowledge and fostering interdisciplinary collaboration to propel human understanding forward.

The workshop of two hour in total aims to explore the evolving impact of Big Data and AI on literature review, focusing specifically on bibliometric approaches. It will address the issues closely related to research design and advancing theory and practice.

# FRIDAY 28

## Session 6a. Google Trends
Friday 28, 09:00 – 10:30. Room: *Salón de Actos*. Chair: Eduardo Cebrian

Google trends forecasting of youth employment
Nathan de Bruijn, Fons Wijnhoven, Robin Effing

Contemporary issues in Financial Technology: the role of the Internet.
Daniel Broby

The potential of Google Trend in estimating the absorption rate of European structural funds
Nicola Caravaggio, Eleonora Pierucci, Giuliano Resce

From Crisis to Opportunity: A Google Trends Analysis of Global Interest in Distance Education Tools During and Post the COVID- 19 Pandemic
Priyanga Dilini Talagala, Thiyanga S. Talagala

## Session 6b. Internet and big data aplications
Friday 28, 09:00 – 10:30. Room: *Aula 2.2*. Chair: Andrea Janáková Sujová

A Methodological Framework for Examining Sociotechnical Imaginaries during the implementation of emerging theologies
Suania Acampa

Management Accounting and Digital Technologies: A Science mapping review
Adriana Barreto, Patrícia Gomes, Patrícia Quesado, Shane O'Sullivan

The Effect of Negative Emotions of Service Recipients on Negative Word of Mouth Marketing in the Health Sector
Bahar Çelik, Çağla Özçelik

Improving Accuracy in Geospatial Information Transfer: A Population Density-Based Approach
Virgilio Pérez, Jose Manuel Pavía

## Poster Session
Friday 28, 10:30 – 11:15. *Faculty Hall*

(P) Bibliometrics and Scientometrics of the Business Agility
Petra Lesníková, Andrea Janakova Sujova

(P) The Impact of Digital Economy and Industrial Structure on Green Total Factor Productivity in China
Jue Wang

(P) AI Revolution's Impact on the Future Labor Market in Selected Developed Countries: A Panel Data Analysis
Bilgehan Yildiz, Murat Ustaoğlu

(P) Do websites provide information about innovation activities?
Agapito Emanuele Santangelo

(P) Viability of Artificial Intelligence application for real estate valuation of Data Centers
Salvador Domínguez Gil, Andrea San José, Antonio Sánchez Gea, Pilar Miguel-Sin, Gema Ramírez

(P) Eliciting and Retrieving the Feedback-Loop. Exploring Elicitation Interview Techniques for Detecting Algorithmic Feedback on Social Media and Cultural Consumption
Gabriella Punziano, Alessandro Gandini, Alessandro Caliandro, Massimo Airoldi, Giuseppe Michele Padricelli, Suania Acampa, Domenico Trezza, Noemi Crescentini, Ilir Rama

(P) Predicting the timeline for college and university MBA students in Canada based on their demographic features, academic background, program composition, and experience
Anuradha Erandi Walisundera, Abedeh Gholidoust

20 (P) Liability in Motion: A Learning Approach in Road Traffic Liability Apportionment
Felix Riechmann

## Session 7a. Digital Economy Governance
Friday 28, 11:15 – 12:15. Room: *Salón de Actos.* Chair: Pablo de Pedraza

The Algofeed project. A methodological proposal to assessing the effects of algorithmic recommendations on platformized consumption.
Gabriella Punziano, Alessandro Gandini, Alessandro Caliandro, Massimo Airoldi, Giuseppe Michele Padricelli, Suania Acampa, Domenico Trezza, Noemi Crescentini, Ilir Rama

Challenges in Upholding Human Autonomy through the Right to be Forgotten
Sadaf Zarrin, Irene Unceta Mendieta

Towards Intangible Value Quantification: Scope, Limits & Shortages of Artificial Intelligence applications
Salvador Domínguez Gil, Andrea San José , Antonio Sánchez Gea, Pilar Miguel-sin, Gema Ramírez

## Session 7b. Industry adoption and future of work
Friday 28, 11:15 – 12:15. Room: *Aula 2.2.* Chair: Caterina Liberati

Digitalisation – the Basis for Building an Agile Enterprise
Andrea Janáková Sujová, Petra Lesníková

Work Realities and Behavioral Risk Factors in Italy
Angela Andreella, Stefano Campostrini

Structuring and extracting sustainability information from corporate websites SMEs: A pilot test on textile firms
Francisco Javier Rodríguez-Ruiz, Ana Garcia-Berbaneu

# SOCIAL PROGRAM

## Wednesday 26, 19:30 - 21:00

Welcome Cocktail Reception at the Only YOU Hotel, City Lover Room.
Address: Plaça de Rodrigo Botet, 5, 46002 València

Dress code: Smart Casual.

## Thursday 27, 21:00 - 24:00

Conference Dinner at Restaurante Contrapunto LES ARTS
Address: Palau de les Arts Reina Sofia, Av. Professor López Piñero 1

Dress code: Smart Casual.



## Friday 28, 13:45 - 15:00

Closing farewell wine at the Faculty Hall, UPV.

# CARMA 2024

# ADDITIONAL INFORMATION

Lunch will be served on Wednesday and Thursday from 13:00 to 14:30 at "Cafetería El Trinquet" (Building 9D), located behind the Faculty of Business and Management.

Coffee breaks are served at the Faculty Hall:
- Morning 10:30 - 11:00 (from Wednesday to Friday)
- Afternoon 15:45 - 16:15 (on Wednesday and Thursday)

Free WIFI access is provided for delegates at the conference.



**Building 9D**
Cafetería El Trinquet

**Building 7J**
Faculty of Business Administration and Management
Conference Hall: Salón de actos. 2ⁿᵈ floor
Faculty Hall: Main entrance. Ground floor
Rooms: Aula 2.1, Aula 2.2, DECS Lab. 2ⁿᵈ floor

# CARMA 2024

Valencia                26-28 June 2024

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Valencia 26-28 June 2024

## PROCEEDINGS



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