# **Proceedings of the**

# 21st European Conference on Research Methodology for Business and Management Studies ECRM 2022

**A Conference** 

**Hosted By** 

University of Aveiro
Portugal
2-3 June 2022

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# **Preface**

These proceedings represent the work of contributors to the 21<sup>st</sup> European Conference on Research Methodology (ECRM 2022), hosted by University of Aveiro, Portugal on 2-3 June 2022. The Conference Co-chairs are Dr. Manuel Au-Yong-Oliveira and Professor Carlos Costa, both from University of Aveiro, Portugal.

ECRM is a well-established event on the academic research calendar and now in its 21st year the key aim remains the opportunity for participants to share ideas and meet. The conference was due to be solely held at University of Aveiro, Portugal, but due to the global Covid-19 pandemic it was moved online also, to be held as a hybrid event. The scope of papers will ensure an interesting conference. The subjects covered illustrate the wide range of topics that fall into this important and ever-growing area of research.

The opening keynote presentation is given by Dr José Martins, a Senior Researcher at AquaValor – Centro de Valorização e Transferência de Tecnologia da Água, with the title of, *The use of Mixed Methodologies as a Path to Study ICT Adoption and Continuous use.* The second day of the conference will open with an address by Dr Zélia Breda and Dr Filipa Brandão both from University of Aveiro on the subject, *Sociometric Analysis in the Study of innovation in Hospitality and Tourism.* 

With an initial submission of 76 abstracts, after the double blind, peer review process there are 22 Academic research papers, 1 PhD research papers and 3 work-in-progress papers published in these Conference Proceedings. These papers represent research from Bahrain, Canada, China, Czech Republic, Finland, Germany, Greece, Lithuania, Malta, Poland, Portugal, Russia, South Africa, Sweden, the United Kingdom, and the USA

We hope you enjoy the conference.

Dr. Manuel Au-Yong-Oliveira & Professor Carlos Costa University of Aveiro Portugal June 2022

# **ECRM Conference Committee**

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# **Biographies**

### **Conference and Programme Chairs**



**Professor Carlos Costa** is a full professor and entrepreneur based at the University of Aveiro, Portugal. Carlos started out doing an undergraduate degree in regional and urban planning (University of Aveiro). This was followed by a specialization in tourism, at the master's and doctoral level, at the University of Surrey, in the UK. Carlos is now Head of Department, at DEGEIT – the largest department of the University of Aveiro. With publications at the highest

level, Carlos also enjoys writing down-to-earth articles for the media and for the general public. As the Director of the PhD in Marketing and Strategy, as well as of the PhD in Tourism, both at the University of Aveiro, Carlos is an inspiration to colleagues and students alike — to perform beyond their dreams and achieve new entrepreneurial heights, whatever the domain may be.



**Dr Manuel Au-Yong Oliveira** is an Assistant Professor at the University of Aveiro (Department of Economics, Management, Industrial Engineering and Tourism – DEGEIT), in Portugal, where he lectures at the undergraduate, master's and doctoral levels on marketing, strategy, innovation, technology and on research methods. Manuel did an MBA at Cardiff Business School, in Wales (1992-1993) and has a Ph.D in Industrial Engineering and Management (FEUP), for which he was

awarded a distinction for his thesis on innovation. Manuel has ten years of work experience with multinational corporations as well a varied experience working with smaller more entrepreneurial enterprises. At present, Manuel is the Director of the Master's Degree in Management at the University of Aveiro. Manuel is also a member of the Executive Committee of his department - DEGEIT - University of Aveiro. Manuel has a passion for teaching and education.

#### **Keynote Speakers**



**Filipa Brandão** holds a PhD in Tourism and a Master's degree in Tourism Management and Development from the University of Aveiro. She is Assistant Professor at the Department of Economics, Management, Industrial Engineering and Tourism of the University of Aveiro, where she teaches various courses at the undergraduate, master's and doctoral levels and is Vice Director of the Master in Tourism Management and Planning. She is a full researcher at GOVCOPP - Research Unit in Governance, Competitiveness and Public Policy - University of

Aveiro and Associate Editor of the Journal of Tourism & Development (SCOPUS). Filipa is the author of books, book chapters and articles published in international journals. She has integrated several research and consultancy projects in Tourism and Leisure innovation and has organized national and international scientific events. Her research interests and scientific production focus on innovation in tourism, regional development, tourism networks, social network analysis, planning and management of tourist destinations, and urban tourism.



**Zélia Breda** Assistant Professor and Director of MA in Tourism Management and Planning, University of Aveiro. Member of Research Unit Governance, Competitiveness and Public Policies (GOVCOPP); founding member/vice-president of Observatory of China and Portuguese Institute of Sinology. Authored/co-authored national/international papers/communications on tourism development, networks, tourism in China and Goa (India),

gender and tourism, and internationalisation of tourism economy.



José Martins is currently a Senior Researcher at AquaValor – Centro de Valorização e Transferência de Tecnologia da Água, Invited Assistant Professor at the Polytechnic Institute of Bragança and External Researcher at INESC TEC Research Center. He has published over 90 articles in indexed journals and event proceedings focusing on the Information Systems, Management Information Systems, Software Engineering and Human-Computer Interaction

topics. Currently he is the supervisor of several Master Degree dissertations and PhD theses. During his research career, he has participated in several research projects and is currently a member of various research projects aimed at merging information systems and technologies with other fields of study. Throughout his professional career José has also worked as an information systems and technology senior consultant where he directly participated in several international projects. At the present time José Martins dedicates most of his time to his lectures and to his research activities where he tries to, not only develop innovative digital solutions focused on the use of natural mineral water as a health and wellness trigger, but also to understand the factors and (in)direct

impacts of ICT adoption at the individual and firm levels, and how IS solutions can be idealized, specified and developed in order to fully address their audience's needs and requirements.

#### **Mini Track Chairs**



**Asta Valackienė** is a professor at the Mykolas Romeris University, Faculty of Public Governance and Business, Vilnius. She gained her PhD in Social Sciences (Sociology) in 2001. Her research interests include Methodology of Science and Research, Responsible Research and Innovation. Asta is a Member of Management Committee of COST ACTION 17127 Programme as National representative from Lithuania. A Member of UNESCO Unitwin Network Baltic and Black Seas

Circle Consortium in Education Research (BBCC) Association. She has authored numerous Research Studies, Books, Handbooks and has published over 80 scientific papers.



**Hamed Taherdoost.** Ph.D. is a senior member of the IEEE, IASED & IEDRC, working group member of IFIP TC 11, professional member of IFERP, and member of ACT-IAC and CSIAC, and many other professional bodies. He has authored over 130 scientific articles in authentic journals and conferences, seven book chapters, and six books in the fields of technology and research methodology. He is the editorial, reviewer, and advisory board member of some authentic peer-

reviewed journals publishing with Taylor & Francis, Elsevier, Inderscience, MDPI, EAI, & IGI Publishing, and has served as an editor of book & proceedings for prestigious publishers. He has been a Technical Program Committee, Scientific Committee, and Organizing Committee of many international conferences.

# **Biographies of Contributing Authors**

Susana Aldeia is a full-time Assistant Professor at the ISAG/EBS European Business School. She holds a Phd in Taxation and a DEA from the Vigo University (Spain) in Tax Law; a postgraduation in Taxation from the IPCA and a degree in Accounting, also from the IPCA.

**Anna Bagirova** is a professor of economics and sociology at Ural Federal University (Russia). She explores issues of labour economics and sociology of labour. Her research interests include also demographical processes and their determinants. She is a doctoral supervisor and a member of International Sociological Association.

**Dimitrios Belias**; Assistant Professor at Department of Business Administration, University of Thessaly, Greece. Also a Postdoctoral Research Fellow at Department of Business Administration and Tourism, Hellenic Mediterranean University, Greece. Main research interests: are in the areas of Management, Human Resource Management, Organizational Behavior, Tourism Business Administration, Educational Management, Service Quality and Tourism and Hospitality Management.

**Pedro Bem-Haja.** PhD in Psychology (University of Aveiro) and researcher at CINTESIS at the same university. His research preferences are divided into two major areas. The area of research methodology, impact assessment and Statistics, and the area of central and peripheral measures of the nervous system, with studies in the Health settings, Educational, Forensics and Labour.

**Basia Dennis Bless** is a PhD candidate and research supervisor in the Wits Graduate School of Governance. As a supervisor, he observed that postgraduate students struggle to effectively conduct and use literature review. Therefore, this publication provides insights on how to effectively use literature review as a research method.

**Evandro Bocatto** BSc. in Psychology (PUCC) and MSc. in Business Administration (EAESP/FGV), Brazil. Master of Research and Ph.D. in Management Sciences (ESADE), Spain. Associate Professor at MacEwan University, Edmonton, Canada. Has published at International Journal of Sociology and Social Policy, The Electronic Journal of Knowledge Management, International Journal of Business and Economic Development.

**Felix Budde**, M. Sc., studied mechanical engineering and industrial management at the University of Bremen and started working in applied research at Fraunhofer IPK in Berlin in 2021. There he is involved in national and international research and consulting projects in the field of strategic as well as sustainability management of organizations and innovation institutions.

**Renata Činčikaitė** is a senior Researcher of Logistics and Defense Technology Management Research Group at General Jonas Žemaitis military academy of Lithuania and Associate professor at Vilnius Gediminas technical university. Her research interests are related to sustainable urban development, sustainable transport development, social security, formation and evaluation of strategic decisions.

**Fabian Hecklau**, M. Sc., studied industrial engineering (Otto-von-Guericke University Magdeburg) and started working in applied research (Fraunhofer IFF in Magdeburg). Since 2015, works for Fraunhofer IPK (Berlin) Involved in international research and consulting projects in the strategic management of organizations and innovation institutions. Head of the Competence Center Innovation Systems & Structures at Fraunhofer IPK since 2020.

**Gamze Gül Hizal**: Studied Industrial Engineering/Management (Technical University, Berlin) Working for Fraunhofer IPK (Berlin) since 2020, in national and international research and consulting projects in sustainable manufacturing, blended learning and strategic management. Experiences in developing KPI Management Systems and Assessment concepts, Quality Management tools/methods and Project Management. National and International Working Experience, especially in the aviation industry

**Niklas Humble** is a PhD student at the Department of Computer and System Science at the Mid Sweden University in Östersund, Sweden. Research interests include Programming education, Design science, AI, Learning analytics, and Game-based learning.

**Ali M. A. Kamali**, from Bahrain, a professional and researcher in various business fields, including project management, IT & IS, and supply chain management. I am a results-oriented, high-energy person with 25 years of hands-on experience. I could achieve my objectives by focusing on results at the intersection of technology and business.

**Anna B. Kimberley** is a senior lecturer in Human Resource Management, Business Communication and International Business. Researcher and published author, with particular interest in qualitative research methodology within social sciences and education (Narrative Analysis, Phenomenological Interpretative Analysis. Her research areas combine cultural diversity, cross-cultural communication, identity studies, and sensemaking.

**Regina Lenart-Gansiniec**, Associate Professor at Jagiellonian University in Krakow. As a scientist, she conducts research within strategic management, focused on organizational learning and knowledge management, crowdsourcing and organizational unlearning. Reviewer and member of the Editorial Board of many recognized scientific journals and scientific conferences in Poland and in the world (Scopus, Web of Science).

**Susana Cristina Henriques Leal** is Assistant Professor in Polytechnic Institute of Santarém. She holds a PhD in Management from University of Coimbra (2013), under the topic of Organizational Behavior and Corporate Social Responsibility, and a Master in Statistics and Information Management from Nova University Lisbon. She has a degree in Management. She conducts research activities on Sustainability, Corporate Social Responsibility, Ethics, Leadership, Organizational Commitment, Psychological Capital, Individual Performance, Quality of Life at Work, and on Social Economy topics. She lectures in undergraduate, postgraduate and master courses of Management and is currently full

member of the Life Quality Research Center at Polytechnic Institute of Santarém. Currently, she is integrated as researcher in one financed research project.

**Caihua Liu** is a Post-Doctoral Researcher and Associate Research Fellow at the School of Information Management, Sun Yat-Sen University. She received her master and doctoral degrees in Information Systems from Hong Kong Baptist University and University of Technology Sydney, respectively. Her current research interests include data and information quality, information governance, digital transformation, and smart healthcare.

**Paula Lopes**, has a PHD in Communication and Advertising, is a full Professor at ISG and Lusofona University. Has been Course Coordinator since 2015. She's a researcher in CICANT - - Centre for Research in Applied Communication, Culture, and New Technologies, and the main research areas are Marketing, Brands, Social Networks and Advertising.

**Jorge Lopes**: Teaching Marketing and Communication since 1993. His main research drive is connected with the importance of cultural events in two major contexts: marketing and tourism. He is currently working at ISAG – European Business School. He has already published several papers related to the areas of Cultural Marketing, Tourism, Innovation and Knowledge Transfer and Entrepreneurial Intentions.

Margaret Mangion is a Senior Lecturer at The Edward de Bono Institute for Creative Thinking and Innovation and at the University of Malta. While actively working on research projects, Margaret is also involved in a number of outreach programmes engaging different sectors across society. Margaret also has experience on expert panels at policy making level.

**Marie-Louise Mangion** is a senior lecturer within the Department of Public Policy at the University of Malta. She received her PhD in 2011 from the University of Nottingham. She worked for twenty-one years with the public sector on research, policy and EU affairs. Her research interests include policy design, evidence-based policymaking, competitiveness, tourism policy.

**Juha Kai Mattila** is a freelance researcher and a postdoc at Aalto University, Helsinki, Finland. He received his D.Sc. (Tech) from Aalto University in 2020 and G.S. Officer (C4ISTAR) from National Defence University, Finland in 1993. He is consulting Armed Forces in their digitalization or digital transformations. His main research areas are organizational evolution, enterprise architecture, use of power in cyber domain, and digital transformations.

**Terri McGarry** is a business analyst working in the international freight forwarding industry. She has held senior HR positions in logistics and hospitality sectors in the UK and Germany. She received her master's degree in human resource management from Liverpool John Moores University in 2021. Her main research areas were in organisational behaviour and wellbeing.

**leva Meidute-Kavaliauskienė** is a head of the Research Group on Logistics and Defense Technology Management at General Jonas Žemaitis Military academy of Lithuania. Her research interests are related to logistics and supply chain management, formation and evaluation of strategic decisions, decision making. She is an author of more than 90 scientific publications indexed in Web of Science, Scopus, Ebsco, Emerald, and other databases, published several monographs and textbooks.

Anthony Mitchell. Currently Associate Editor, Electronic Journal of Research Methods (EJBRM) and Retired Professor of Operations Management, Ashridge Executive Education, Hult International Business School. Recently at Ashridge Business School - 1988 to 2016 and 2016 to 2021 Adjunct Professor. Previously at Gallaher Limited (1975 - 1988), Touche Ross & Company (1974 - 1975) and GEC-Marconi Co. Ltd. (1967 - 1973).

**Olga Navickienė** is associated professor of the Research Group on Logistics and Defense Technology Management at General Jonas Žemaitis Military Academy of Lithuania. Research interests are related to defining and analysing economic and social phenomena by applying different methods of mathematical statistics. Area of Expertise: Operations Research, Structural Equation Modelling, Statistical Analysis, Structured Judgement.

**Angelos Ntalakos** is a PhD Candidate at Department of Business Administration, University of Thessaly, Greece. His main research areas are leadership, organizational behaviour, management and group dynamics.

**Michael Amponsah Odei**, Research focuses in the areas of strategy, innovation and entrepreneurship. First, I am interested in how firms can access knowledge from their environment for instance from universities, customers, and competitors to acquire new ideas to create successful innovations. Lastly, I am interested in entrepreneurial activities of emerging and well-established firms, particularly in adoptingnew businessmodelsforsuccessfulinnovation

**Noel Pearse** is the Research Co-ordinator in the Rhodes Business School, Rhodes University, South Africa. He lectures in Leadership, People Management, Strategy Implementation, Change Management and Research Design. His current research interest is in the application of qualitative research methods to analysing leadership and leadership development processes.

**Martin Rich** is Associate Dean for the Undergraduate Programme at Bayes Business School. He has over twenty years of experience in building innovative approaches to teaching and learning into an established business school. Martin's approach to learning places an emphasis on developing students' abilities as independent researchers. He is a regular ECRM participant.

**Rosa Rodrigues.** PhD in Management, specialization in Human Resources and Organizational Behavior from ISCTE-IUL. Professor at the Instituto Superior de Gestão – Economics & Business School where teaches in the Bachelor and Master degrees. Research areas include organizational behaviour, human resource management, work and organizational psychology, psychological evaluation, soft skills, and test construction and validation.

**Luana Santos** is a masters student associate in the Research Center for Science and Technology in the Arts (CITAR) and member of the project HAC4CG. She is currently doing a masters in Sound Design at the School of Arts, Universidade Católica Portuguesa. Her current practice and research interests lie in sound, technology and ecology.

Madeleine (Petzer) Stevens is a Senior Lecturer in Human Resource Management at Liverpool John Moores University, UK. She is a Fellow member of the Chartered Institute of Personnel and Development (FCIPD), Higher Education Academy (FHEA) and Paralegal Society (Specialist Employment Law). She is also a Chartered member of the British Psychological Society.

Aidas Vasilis Vasiliauskas is a professor of the Research Group on Logistics and Defense Technology Management at General Jonas Žemaitis Military Academy of Lithuania. His research interests are related to warehousing and transportation processes and supply chain management. He is an author of more than 40 scientific publications indexed in Web of Science, Scopus and other databases.

Ph.D. Student of Business and Economics at the University of Aveiro. Professor of Business and Management at the Federal Institute of Education, Science, and Technology of Piauí (Brazil). Member of the research unit Governance, Competitiveness, and Public Policy (GOVCOPP) as a doctoral student.

**Kambidima Wotela** is an Andrew W. Mellon Foundation Scholar and a William and Flora Hewlett Foundation Fellow. He studied demography and population studies for all his degrees. He teaches systems thinking, evaluation, as well as research and analytical methods at the WITS Graduate School of Governance. One of his current research stream is on approaches to research supervision.

**Simangaliso Bayabonga Zulu:** Marketing Management PhD candidate and Research Assistant (School of Management, IT and Governance, University of KwaZulu Natal). Research focus is on brand management, consumer behaviour, tourism marketing, online marketing, and research methods. Also an adjunct lecturer at the same institution, supervising research projects for cohort of postgraduate diploma students in supply chain and marketing field.