SUAAAATT RESEARCH

Programme

DAY 1 – July 3rd, 2019 Auditório Renato Araújo

09:00	Opening Session: Rector and Vice-Rector for Research, Innovation and 3rd Cycle	14:55	Sustainability in Future Broadband Wireless Communications José Carlos Pedro, IT
09:30	Plenary 1 - The Long Road to Autonomy		
	Ashley Nunes, MIT/ Harvard Law School	15:10	RISCO contribution to sustainable cities
10:10	Energy and sustainability challenges of captivating and transformative mobility		Paulo Cachim , RISCO
	paradigms Margarida Coelho, TEMA	15:25	Energy, Society, and Sustainability Transitions
	Trangarida Cocino, TET II		Anabela Botelho, GOVCOPP
10:25	Devices, from light absorption to light		
	emission João Veloso, I3N	15:40	Sustainability in Higher Education: A review of contributions from Portuguese speaking
	Coffee Burels		countries
10:40	Coffee Break		Teresa Carvalho e Maria João Rosa, CIPES
10:55	Sustainable exploitation of Li mineral resources on Montalegre: from ceramics to	15:55	Coffee Break
	batteries	16:15	Driving innovation, enabling quality of
	António Silva, GEOBIOTEC		life: research on eHealth and wellbeing at DigiMedia
11:10	Energy and the challenges of blue and green economy		Ana Margarida Pisco Almeida, DIGIMEDIA
	Myriam Lopes, CESAM	16:30	
****	Research on Education for Sustainable		part of an ecosystem Maria do Rosário Pestana, Inet-Md
11:25	Development: From the Development		Maria do Rosario Pestaria, met-ivid
	of Educational Resources to Teacher	16:45	Automation in Ecotoxicology Testing
	Education		Rui Escadas Martins, IEETA
	Rui M. Vieira e Patrícia Sá, CIDTFF	17:00	Phthalocyanine-graphene nanomaterials for
11:40	Smart Green Homes: A collaborative learning	17.00	solar cells
	approach for fascinating and sustainable home comfort		Leandro Lourenço, QOPNA
	Sérgio Salústio, Bosch Termotecnologia	17:15	Education for Sustainability: Creating Competencies in higher education through
11:55	Round Table		Circular Economy Ana Afonso, ID+
12:30	Lunch		
		17:30	
14:00	Plenary 2 - Energy Transition and Sustainability: Game Changers, Technology,		biorefineries Carlos Neto, The NAVIGATOR Company
	Innovation and Future Challenges		Carlos Neto, The NAVIGATOR Company
	António Costa e Silva, Partex	17:50	Round Table
14:40	Energy@CICECO: Gaps between academic	19:20	First day closure
14.40	research and foreseeable energy	10.30	Vice-Rector for Research, Innovation and 3rd
	scenarios Jorge Frade, CICECO		Cycle
	33.63		

DAY 2 - July 4rd, 2019 Rectory Building

Auditorium Renato Araújo		14:15	PDCGTM+PDBEAG
og:oo Opening Session			Marine Science, Technology and Management (PDCTGM) Biology and Ecology of Global Change
09:05	PDCP+PDPP+PDCEE+PDEGI Political Science (PDCP)		(PDBEAG)
	Public Policies (PDPP) Business and Economic Sciences (PDCEE)	16:15	Coffee Break
	Industrial Engineering Management (PDEGI)	16:30	PDBiot+PDME Biotechnology (PDBiot)
11:00	Coffee Break		Strategy and marketing (PDEM)
11:15	Ciencia Vitae FCCN - transversal to all rooms		eroom
12:15	PDC+PDT Accounting (PDC)	09:00	Opening Session
	Tourism (PDT)	09:05	PDSEAC+PDBM+PDP+PDGG Energy Systems and Climate Change
13:15	Lunch Break		(PDSEAC) Biomedicine (PDBM)
14:15	PDT Tourism (PDT)		Psychology (PDP) Gerontology and Geriatrics (PDGG)
46-45	,	44.00	Coffee Break
16:15	Coffee Break	11:00	сопее вгеак
16:30	PDEM Mechanical Engineering (PDEM)	11:15	Ciencia Vitae FCCN - transversal to all rooms
		12:15	PDMEdu Multimedia in Education (PDMEdu)
Acts room			Lunch Burch
09:00	Opening Session	13:15	Lunch Break
09:05	PDB	14:15	PDD+PDICPD +PDE Design (PDD)
	Biology (PDB)		Information and Communication in Digital Platforms (PDICPD)
11:00	Coffee Break		Education (PDE)
11:15	Ciencia Vitae FCCN - transversal to all rooms	16:15	Coffee Break
12:15	PDB+PDCEA+PDCTGM Biology (PDB) Environmental Sciences and Engineering (PDCEA) Marine Science, Technology and Management (PDCTGM)	16:30	PDE Education (PDE)
13:15	Lunch Break		

Auditorium Renato Araújo Senate room 09:15 Opening Session 09:15 Opening Session 09:20 PDEE 09:20 PDNN+PDMPA+PDCEM+PDHCEC Electrical Engineering (PDEE) Nanosciences Nanotechnology (PDNN) Materials and advanced processes (PDMPA) 11:00 Coffee Break Materials Science and Engineering (PDCEM) History of Science and Scientific Education 11:20 MAP-Tele+PDEI+MAP-i (PDHCEC) Telecommunications (MAP-Tele) Computer Engineering Engineering (PDEI) 11:00 Coffee Break Computer Science (MAP-i) 11:15 PDEF+MAP-Fis+PDG+PDEC+PDM+PDMA 13:15 Lunch Physics Engineering (PDEF) Physics (MAP-Fis) 14:15 DBI - Thesis Project defense Geosciences (PDG) Doctorate in Business innovation Civil Engineering (PDEC) Mathematics (PDM) Acts room Applied Mathematics (MAP-PDMA) 09:00 Opening Session 13:15 Lunch 09:05 PDEQ+PDQ 14:15 DBI - Thesis Project defense Chemical Engineering (PDEQ) Doctorate in Business innovation Chemistry (PDQ) Translations room 11:00 Coffee Break 09:15 Opening Session 11:15 PDQS Sustainable Chemistry (PDQS) 09:20 PDBQ+PDBR Biochemistry (PDBQ) 13:15 Lunch Biorefineries (PDBR) 14:15 DBI - Thesis Project defense 11:00 Coffee Break Doctorate in Business innovation 11:15 PDCTAN+PDMu Food Science and Technology and Nutrition (PDCTAN) Music (PDMu)

4 researchsummit

13:15 Lunch

List of Pitches

Accounting (PDC)

Aida Martins Corporate Financing Cost's Determinants

Ana Brites Taxation costs in digital age: empirical evidence in Portugal

Armando Diogo Determinants of effective tax rate

Maria Nogueira The influence of inventory management on the quality of accounting information in

commercial sector companies

Zuley Betancourt Estudo bibliométrico em contabilidade e accountability no setor público: período de 2002-2017

Advanced Materials and Processing (ADVAMTECH)

Ana Neto Porous calcium phosphate bone graft scaffolds for advanced therapies

Daniel Vieira Magnetic-field-assisted of multi-functional layered double hydroxides

Ricardo Serrazina FLASH sintering of lead-free piezoelectrics

Applied Mathematics (MAP-PDMA)

Ana Paião Optimal Control and Mathematical Models in Epidemiology

Daniel Figueiredo Logic foundations and computational tools for synthetic biology

Rita Guerra New convolutions associated with new integral transforms of Fourier type

Biochemistry (PDBQ)

Ana Dias Metabolic Reprogramming of Tumor-Associated Macrophages: from Deeper Insights to

Novel Therapeutic Approaches in Triple Negative Breast Cancer

Daniela Couto Lipidomics of microalgae: unravelling their lipid signature and bioprospecting bioactive

phytochemicals

Diana Lopes Valorization and traceability of cultured macroalgae using elemental and lipid signatures

Dmitry Evtyugin Bioactive compounds from sulphite pulp production streams for applications in functional

food and cosmeceutical industries

Élia Maricato Valuation of marine microalgae polysaccharides

Joana Lopes BioBlisterPack – Agrofood byproducts for biodegradable blister packaging

José Pereira How to design proteins from scratch

Mariana Mesquita Photodynamic therapy in prostate cancer and metastatic malignant melanoma using

chlorin photosensitizers

Mariana Raposo Bioelectronic tongue for the detection of paralytic shellfish toxins

Sara Nadine Dynamic microfactories encapsulating cells for bone tissue engineering

Sónia Pedro Deep eutectic solvents comprising active pharmaceutical ingredients for incorporation in

biopolymer-based drug delivery systems

Tatiana Silva Toxicometabolomics of graphene based nanomaterials (GBNs): towards mechanistic

insights and new biomarkers

Biology (PDB)

Ana Pires Comparison of bacterial communities in sponge, sediment and water biotopes in the Indo-

Pacific region

Bruno Ferreira Effects of sewage outfalls on marine protected species

Carlos Ortiz Trace geographic origin of clams (Ruditapes decusatus and Ruditapes philippinarum) using

elemental fingerprinting tools

Carlos Pinheiro Wastewater-borne nanoparticles in aquatic ecosystems: from individuals to community

responses

Carlos Silva Ecotoxicological Effects of Emerging Contaminants in Lentic and Lotic Environments

Cláudio Brandão Mechanistic and functional studies on a novel Symbiodinium-driven calcification process

under current and future climatic conditions

Diana Dias Wild mammals in Portugal: their enteric flora as a source of pathogenic bacteria and

antibacterial resistance

Fátima Santos pErCEPT- Quantification of ConcEntration and time resolved Effects: towards an Adverse

Outcome PaThway

Guilherme Jeremias Developing epigenetic biomarkers of metal exposure in Daphnia

Inês MacárioApplication of the biorefinery concept in cyanobacterial blooms valuationJoana SantosEffects of drought and contamination on freshwater macroinvertebrates

João Puga WILDRECO - Immediate and short-term effects of wildfires on population dynamics of

sentinel faunal communities on post-fire recovery of pine and eucalypt ecosystems

Leide Pureza Aquaculture's microbiomes in fish health

Lúcia Marciel Photodynamic inactivation for blood disinfection by immobilized photossensitizers

Maria Bartolomeu Photodynamic inactivation of microorganisms and phototransformation of micropollutants

in wastewater: an effective approach with low environmental impact

Mariana Rodrigues Molecular and biochemical responses of freshwater species to the single and mixed effects

of microplastics and adsorbed contaminants

Marina Ferreira Assessing the ecology and function of plasmid assemblages in microbial symbionts of giant

barrel sponge Xestospongia testudinaria

Micael Gonçalves Marine Fungi: Diversity And Biotechnological Potential

Natália Rodrigues iNNER: Mechanistic approach to assess effects of NaNomaterials in the EnviRonment
Niedja Santos The role of emerging contaminants and environmental factors on fish personality

Nuno Costa Determining the Suitability of Nanopesticides for Sustainable Agriculture

Raquel Lopes Monumental Trees of Portugal: from public understanding to scientific literacy

Rita Bicho long Ng_nano: long term and multIgeNerational effects of nanomaterials in terrestrial

invertebrates

Sandra Hilário The genus Diaporthe on blueberry plants in Portugal: from species diversity to pathogenicity

Silja Frankenbach Estuaries as corbon sinks: Photosyntetuic activity, photoinhibitory stress and resilience

mechanisms in Pelagic-Benthic primary productivity

Vanessa Ferreira Development and Assessment of Ecological Indicators for the Management of an

Endangered Migratory Fish Species (Anguilla anguilla)

Biology and Ecology of Global Change (PDBEAG)

Ana Costa Corals as therapeutic alternatives for fish farms in a climate changing world

Ana Almeida The effects of long-term exposure to oxytetracycline in zebrafish

Ângela Almeida Pharmaceutical drugs under present and future climatic scenarios: what are the

toxicological consequences to marine invertebrate species?

Carlos Silva Ecological effects of microplastics in freshwaters

Eduardo Batista Project MDR - Map, Detect and Research Botriosphaeriaceae species in Portugal

Évila Damasceno Anticancer drugs in the environment

Fátima Simão Ecotoxicological assessment of PAHs using the freshwater planarian Dugesia tigrina

Joana Neves Hazard assessment of nano agrochemicals in soils

Joana Prata Microplastics: methodologies, sampling and ecotoxicity

Patrícia Silva Toxicokinetics of nanoparticles across aquatic food chains

Pedro Teixeira Enterobacteriaceae as mediators for carbapenem resistance transfer between

environmental and human settings

Ricardo Pinto Influence of temperature on plant growth promotion induced by rhizobacteria

Sara Peixoto Assessment of Cu(OH)2 nanopesticide applications on soil microbiota - an agroecosystem

perspective

Biomedicine (PDBM)

Ana Guimarães Recoding the Saccharomyces cerevisiae genome through codon ambiguity

André Nadais The role of Metal Induced Protein phosphorylation in neuropathology related protein

aggregation

Carla Oliveira The role of protein mistranslation in fungal pathogenesis

Diogo Neves The role of NAD in neuronal differentiation

Fábio Trindade Pursuing complete myocardial reverse remodeling after aortic valve replacement: will

phosphoproteomics lend a hand?

Fátima Monteiro Effects of the SET7/9 methyltransferase inhibitor (R)-PFI-2 on mammary epithelial cells

Inês Direito Breast and prostate cancer endocrine resistance is associated to a dysregulation of

protein quality control

Inês Sousa Unravelling the roles of proteotoxic stress on genome diversification and disease

Margarida Ferreira Gene expression variation across the lifespan in mice

Maria Cachide BIN1 molecular studies in a primary care-based Cohort

Rosa Andias Chronic idiopathic neck pain in high school students: characterization of functional changes

and effectiveness of an intervention based on exercise and pain neurophysiology education

Sandra Magalhães Aging: a spect(r)acular approach

Soraia da Silva Use of Drosophila melanogaster to screen for novel druggable targets for breast cancer

therapies

Biorefineries (PDBR)

Inês Rocha Shedding light on black liquor: a complex problem, a simple approach

Vítor Rodrigues Technology for the valorization of agro-forestry residues

Biotecnhology (PDBiot)

Andreia Silva Development of functional food targeting cardiometabolic risk

Lúcia Santos Magnetic-responsive platforms to control cell behavior for tissue engineering applications

Luís Ferreira Novel Spherical dECM-Based in vitro 3D Tumor Models

Ricardo Ferreira Valorisation of Opuntia ficus-indica L. through an integrated production of high value products

Business and Economic Sciences (PDCEE)

Vera Magalhães Essays on the Active Ageing Index and their determinants: an economic, social and

environmental approach in the EU-28 and Portugal

Chemical Engineering (PDEQ)

Belinda Soares Development of Eutectic Solvents for the fractionation of wood

Eduarda Morais Boosting Biorefinery: Eutectic mixtures as alternative solvents in the extraction and

processing of polysaccharides

Emanuel Capela Towards the development of effective downstream processes for monoclonal antibodies

Ivo Azenha Separation of Triterpenic Acids by Simulated Moving Bed Chromatography
Luiza Lima Nanoparticles in the development of thermoplastic nanocomposites

Margarida Martins From salty water To salty water: problems with colorful solutions

Rodrigo Neto Extraction of tannins from wine by-products using eutectic solvents

Sandra Magina New polymeric formulations from lignosulphonates

Sofia Rebola Potential of Bleached Eucalypt Kraft Pulp for New Non-Papermaking Applications

Teresa Dinis Towards the manufacturing of low-cost and high quality nucleic-acid-based

biopharmaceuticals

Chemistry (PDQ)

Guilaine Jaria Valorization of industrial waste as adsorbents for remediation of contaminated water with

pharmaceuticals: chemical activation and modification

Joana Lopes Magnetic carbon nanostructures for the photodegradation of pollutants in water

Maria Martins Hybrid nanostructures of graphene materials and polyoxometalate clusters for

photodriven applications

Patrícia Vaz Small organic fluorophores

Rui Monteiro Titanium in marine environment Physicochemical aspects and effects on organisms

Sara Tomé Synthesis of flavonoid-type compounds and phenolic pseudo-C-glycosides of

pharmacological importance

Soraia Fernandes High-Quality Covalent Organic Frameworks to Capture Hazardous Compounds from Water

Civil Engineering (PDEC)

André Guimarães Artificial Beach Nourishments in the Presence of Coastal Structures: Suitability Classification

Eduardo Roque Energy performance and thermal comfort of residential Lightweight Steel-Framed

buildings (LSF): challenges and enhancement strategies

Élio Maia Fire design of tapered steel members

Fábio Simões Circular economy approach to construction materials incorporating paper & pulp

industry wastes

Gonçalo Lopes Seismic vulnerability assessment of mixed masonry-concrete buildings

Computer Engineering (PDEI)

Bernardo Marques Remote Collaboration using Augmented Reality

Carlos Ferreira Autonomic and Cooperative Decision Model for Network Agents in Self-Management

Networks

Nuno Martins Context mixed reality for situated visualization

Ricardo Dias World Model Integration for Cooperative Robotic Teams

Vítor Cunha Dynamic Security Mechanisms for Softwarized and Virtualized Networks

Computer Science (MAP-i)

Arnaldo Pereira Querying and Visualization of Semantic Data

João Silva Multimodal Content Fusion For Modelling Patient Trajectories

Design (PDD)

Diogo Riobom Can aesthetics instigate the reintegration of waste into new products promoting a circular

economy?

Filipe Bento Firefighters Personal Protective Equipment. Performance/Comfort dichotomy: an answer

through Design

Ivo Fonseca The panorama of allergen representation on food labels

José Cardoso Maps "taylor made" to the body of places: Design Strategies Against the Indifference of

Representation

Lígia Afreixo Drawing of food flying in container based on vegetables and fruit
Marlene Ribeiro Design for the territory: a collaborative model of place branding

Doctorate in Business Innovation (DBI)

Acácio Coelho Estudo do desempenho de feltros planos, produzidos por diferentes métodos de consolidação

Alexandre Paulo Leveraging Smart Factories: a digital transformation on the shop floor of a Felt Hat

Bodies Industry

Americo Santos Open innovation and performance: trends in the digital era

Ana Alves Additive manufacturing for smart plastics (Public presentation, Private Defense)

Bruno Bessa Performance Drivers of Family SMEs

João Vieira Metal AM by SLM applied to mold inserts for plastic injection

Ricardo Antunes Framework to optimize IoT infrastructure in order to increase the value of industrial data

by applying advanced data analytics

Rui Oliveira Análise e Cálculo Estrutural de Estantes Metálicas em Chapa Fina
Silvia Gavinho Multifuctional Materials for costumized protesis (Private presentation)

Education (PDE)

Evelyn Santos

Agenor Carvalho Formação de Professores de Língua Portuguesa Para o Acolhimento de Refugiados

Ana Gorgulho The Evaluation of Portuguese Language Learning - For an International Cooperation for

Development in Teacher Education

Ana Sousa Science teachers' in-service education to enhance students' Critical and Creative Thinking

Ângela Espinha The best way to learn languages is...to use them

Ângelo Ferreira School, identity and resistance in Timor. The case of Externato de São José during the

indonesian ocupation

Caio Alcântara Avaliação como aprendizagem e docência no ensino superior: proposta de um modelo

para formação de professores em regime de blended learning

Custódio Soares The supervision process in nursing clinical teaching: organization of the supervisor work

Davys Moreno Inclusion of children with special needs in Arts education programs: from research to action

Dulce Vaz Recursos didáticos sobre mecânica de apoio a práticas docentes no 1.º ciclo do ensino básico

Potenciar a transição e a inclusão para o ensino superior: a experiência de estudantes om NEE e seus familiares

José Zacarias Administração Local da Educação em Angola: A intervenção dos municípios em contexto

centralizado de administração educativa

Lauro Filho Avaliação das instituições de ensino superior do nordeste brasileiro: um instrumento

indutor de desenvolvimento organizacional?

Maria Gomes Assessment of Competencies of Occupational Therapy Undergraduate Students in

Clinical Practice Context: challenges to change

Marisa Machado Personal and socio-professional development of young adults with intellectual and

developmental disabilities in Higher Education

Maurício Júlio Motivações e expetativas de alunos no ensino técnico profissional: um estudo numa escola

no Lubango-Angola

Rangel Domingos The academic and professional qualification of Angolan higher education teachers in the

institutional development plans (IDP)

Raquel Carinhas Plurilingualism: a project with Museums, Families and a School

Rosana Medeiros Active Teaching Status in the Promotion of Critical Thinking: Teaching Learning in online

Contexts

Simone Carvalho piBook: a social and digital inclusion resource for hospitalized children with cancer

Vanessa Souza Teachers' pedagogical practices in integrated contexts of education: the case of school

visits to science museums

Vita Emanuel A Disciplina de História no Ensino Primário em Angola – do currículo instituído ao

implementado a propostas de melhoria da qualidade.

Electrical Engineering (PDEE)

Ana Tavares Packaging of Photonic Integrated Circuits

Beatriz Oliveira Coherent Communications for Access Networks

Carolina Gouveia Bio-radar: Non-contact system for vital signals acquisition

Daniel Pereira Inter-Symbol-Interference in Continuous Variables Quantum Communications

Fábio Barbosa Disaster-resilient network design and resource management of elastic optical networks

Gustavo Anjos Physical Layer Security for Wireless Networks with Help of Jamming

Joana Pereira Performance Enhancement of 5G MIMO Transmitters

Jorge Silva Patient Diagnosis Prediction in Multimodal Medical Information

Kyatam Shusmitha Thermal management of high power electronic devices using diamond

Luís Duarte VLC heterogeneous networks for future wireless systems

Mariana Ramos Fast and secure multiparty computation enabled by quantum communications technologies

Marina Jordão Over-The-Air Characterization of 5G MIMO Systems

Neya Chaudhary Visible Light Communication based Indoor Localisation

Roberto Magueta Transmitter and Receiver Designs for mmW mMIMO based Wireless Systems

Romilkumar Patel Simplified Coherent Transceiver for Optical Communication Networks

Rui Antunes Medical Concept Normalization

Samuel Pereira Multi-technology RRH based on ADTs

Sanket Chaudhary All Digital Power Amplifiers
Tagleorge Silveira RFID Technology Chipless

Energy Systems and Climate Change (PDSEAC)

Hugo Marques Polymeric air-to-air heat recovery system

Luis Martins Artificial neural network modelling of solar thermal hybrid façade
Reza Sirous A framework to evaluate and optimize Circular Economies

Sevedeh Boraziani High-value biohythane production from anaerobic digestion of municipal food waste:

effect of biomass ash supplementation

Environmental Sciences and Engineering (PDCEA)

Ana Ascenso Direct and indirect impacts of nature based solutions for climate change adaptation: urban

heat island, air quality and urban sprawl

Carlos Silveira Multiscale urban air pollution modelling: towards healthier cities

Eduardo Oliveira Detecting flood extents with satellite imagery

Sílvia Coelho Assessing air quality in cities under climate change scenarios: a source apportionment approach

Food Science and Technology and Nutrition (PDCTAN)

Soraia Silva Valorisation of pine nut skin

Carlos Pinto The influence of pH in key case-studies bacterial and fungal spores' behaviour inoculated

in food model solutions and food products stored under pressure (hyperbaric storage)

Rita Inácio Evaluation of high-pressure as a non-thermal pasteurisation technology to render Serra

cheese manufactured from raw ewe milk microbiologically safe

Luís Castro Gluten free starch extracted by emerging technologies from by-products and losses of

acorn and chestnut

Mauro Santos Evaluation of hyperbaric storage as a novel food preservation methodology for raw meat

versus refrigeration

Liliana Fidalgo Hyperbaric storage as a novel preservation process compared to refrigeration: fresh fish as

a case-study

Ricardo Duarte Storage under pressure of dairy foods as an alternative to refrigeration

Guido Lopes Espresso coffee: anytime, the convenience of innovation

Sónia Ferreira Isolation, derivatisation, and characterisation of polysaccharides with immunomodulatory

potential for valorisation of broccoli by-products

Sílvia Moreira Evaluation of high-pressure as a novel non-thermal extraction technology to obtain extracts

with improved biological activities from medicinal plants

Álvaro Lemos Shelf-life extension of pasteurized and ready-to-eat foods by hyperbaric storage at room

temperature

Ana Ribeiro Innovative Sequentially Combined Processing Technologies to Improve the quality of Egg

Pasteurized Products

Geosciences (PDG)

Carla Bastos Topical Clayey Product Design & Therapeutic objectives

Ricardo Correia Lithospheric Structure in W/SW Iberia Margin and Rifting Processes

Gerontology and Geriatrics (PDGG)

Luciana Albuquerque Vocal Aging: Acoustic and articulatory study of speech changes with age

History of Science and Scientific Education (PDHCEC)

Luís Pereira Perspectives on Science Communication in the Period 1945-1975: The Case of the Space Race

Luiz Neto A Perspective on Brazilian Scientific History: the creation of the Brazilian Society of History

of Science

Marion Pellier And Galen crossed the Atlantic. The syncretism of Luso-Brazilian medical practices and

knowledge (1500-1650)

Industrial Engineering Management (PDEGI)

Diana Dias Methodologies to support the geographical distribution of human health resources

Fatameh Saghezchi Developing and validating a scale for measuring consumer perceived service quality in

customer-intensive service processes

Horácio Gomes Success Factors for sustainability improvement strategies in lime production

Joaquim Martins Contribution for the development of a reference model for the management of physical

assets in industries

Ricardo Santos An holistic model of decision support in energy efficiency in buildings

Ricardo Zimmermann Innovation and supply chain management Strategies, capabilities and the effect of fit on

business performance

Sedigheh Asefi Characterizing an Innovation Reef (I-Reef) an Holistic Model Towards Exploring its Attributes Seyed Ghiasi Sustainable development of marine renewable energies supply chain management in Portugal

Information and Communication in Digital Platforms (PDICPD)

Daniel Carvalho Seniors and ITV services: identification of interaction typologies

Inês Santos Moura The multimedia technology in the creation of collaborative practices in community: the

case of a group of residentes of the Alexandre Herculano Neighbourhood

Inga Saboia A influência dos líderes de opinião nas redes sociais: um estudo sobre a mudança do

comportamento alimentar no Instagram

Iva Lima Senior literacy: learning strategies when playing digital games

Jesse Nery Filho Location based-games and active ageing: the pokémon go study in seniors' life

Liliana Gonçalves Sharing knowledge through digital platforms to socio-territorial well-being: the forest fires' case

Raissa Sales Infocommunication and Digital Platforms in the Sharing Economy: A Multicases Study about

the Trust in Sustainable Contexts

Sofia Nunes The conception of the elderly's image in children Infocommunicational analysis in

animated films

Marine Science, Technology and Management (PDCTGM)

Américo Ribeiro Climate Change Impact on West Iberian Coast Port Defenses and Maritime Traffic

Carla Silva Impact of the invasive macroalgae Asparagopsis armata on coastal environments

Caroline Ferreira Morphodynamics of coastal environments in mixed sediment beds

Daniela Rodrigues Incorporation of n-3 fatty acids on insect meal for a more sustainable marine aquaculture

shrimp feed

Elisabet Cruz Modeling the physical processes that underlie Harmful Algal Blooms in North-Western

Iberian shelf and Rias Baixas

Felipe Lourenço The use of endogenous insects to promote a more sustainable shrimp aquaculture

Joana Rodrigues Interactions between pollutants and microplastics in the marine environment and their

accumulation on biota

Laura Olmedilla Impact of storm waves on coastal beach – dune geomorphology at Aveiro – Cabo

Mondego stretch (NW Portugal)

Laurício Terra Shallow Gas accumulations in the north port terminca in the Ria de Aveiro barrier-lagoon

system

Leandro Vaz Optimal Conditions for Aquaculture Exploitation in Ria de Aveiro: a Numerical Modelling

Approach

Marco Custódio Integration of halophytes production to promote coastal aquaculture eco-intensification

Maria Fernandes Spatial patterns for the European Atlantic basin

Mariana Andrade Marine Protected Areas monitoring indicators and their cost-effectiveness

Marili Viitak Numerical study of sediment-transport processes in NW Iberian Continental Shelf

Rui Albuquerque Global-scale patterns of biodiversity and biomass of the neustonic zooplankton

Materials Science and Engineering (PDCEM)

Alena Kuznetsova Layered double hydroxide (LDH) nanoreservoirs of corrosion inhibitors for application in

self-healing protective coatings

Alice Trabulo Mixed oxide thin films as eletrochromic layer

Amin Davarpanah Tri-critical point in Magnetocalorics

Aneeta Jaggernauth Diamonds and Dielectrics – A Brilliant Combination for High Temperature Electronics Inês Oliveira Solar Degradation of Organic Pollutants via Hybrid Carbon-based Nanostructures"

Isabel Bjorge Let's get physical

Joana Lagarinhos Can T-RTM be an alternative strategy to produce thermoplastic composites?

Kiryl Zakharchuk Electrochemical elimination of NOx by reversible solid oxide cell with selective

electrocatalysts

Liliana Pires Different additive techniques, different products?

Rui Sampaio Electrochemical Sensors for pH, Dissolved Oxygen and Chloride Monitoring in Reinforced

Concrete Structures

Sara Silva Disruptive approach on cork processing technologies

Mathematics (PDM)

Alberto Silva Multivariate Contributions in the Decomposition of a Time Series

Mechanical Engineering (PDEM)

André Quintã Modelling, simulation and control of tankless gas water heaters: a hardware-in-the-loop

approach

António Festas Components manufacturing for medical application – case studies

Francisco Lamas Low GWP Heat Pump Water Heaters

João Dias Adsorption heat pumps for space and water heating

Sílvia Carvalho Inteligente & Sustainable Machining Methods for Titanium Alloys

Multimedia in Education (PDMEdu)

Ana Carvalho Peer learning and its impact on peer teacher students' academic performance – proposal

of a procedure model

Ângelo Conde Teacher nonverbal language influence on first impressions
António Franque Distance education in Mozambique: reality and potential

Carla Leite Digital media supporting informed decision-making regarding childbirth preferences

Elisabete Pires Skills development through project-based learning in professional courses
Lersi Duran DEEP, promotion of literacy in depression: impact of a digital intervention

Lurdes Nakala Quality Assurance in Distance Education: a Proposal for Public Policy In Mozambique
Patrícia Cuamba Factors Determining the non-Prosecution of Higher Studies in Mozambique: their

Mitigation through Distance Education in Digital Media

Music (PDMu)

António Ventura "Easter Mysteries" in Idanha-a-Nova: Processes of Patrimonialization and Turistification

Daniel Nery Beyond Gesture: The interpersonal communication between conductor and orchestra

Eduardo Falcão Agapito de Miranda composer of memories. The notebooks of a song collector from XXth

century Goa

Margarida Cardoso A regulação da atividade musical e a construção de um estatuto dos músicos: o caso do

quinteto de sopros da emissora nacional

Pedro Barreiros The continuous Synchronization movement

Sara Simões The legacy of António Leal Moreira (1758-1819): music, dramaturgy and vocality for an

interpretation of his dramatic works

Nanosciences Nanotechnology (PDNN)

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Physics (MAP-Fis)

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Sílvia Rodrigues Electromagnetically induced transparency in HC-MOFs

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alimentares e biomédicas

Zélia Alves Nanocompósitos à base de polissacarideos para embalagens alimentares ativas

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Augusto Antunes User-generated content as an input for the decision-making process in tourism public

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Lisboa, Portugal

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Jussara Aires A mensuração da inovação em empresas do sector de turismo

Rogelio Flores Jr Capacity development for destination communities

Vitor Sá Tourism guidebooks: Perspectives about Portugal between the 19th and 20th centuries

Parisa Behmanesh Synergy between future thinking and experience designing

Research Summit 2019 is a forum to foster important discussion on the global theme of Energy and Sustainability, among the University of Aveiro research community and to enable collaborations to advance the state of the art and empower the research efforts at the campus.

The objectives of Research Summit 2019 are:

- To strengthen the networking among the faculty members, researchers and students at the campus, developing sustainable research partnerships, for a more sustainable use of infrastructures, sharing of know-how and contacts;
- To showcase the research developed at the Research Units within the theme of Energy and Sustainability;
- · To provide PhD students the opportunity to pitch their work, so as to improve communication and networking skills.

I thank you for your participation.

Artur Silva Vice-Rector for Research, Innovation and 3rd Cycle University of Aveiro

