



UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA

VICERRECTORADO DE INVESTIGACIÓN

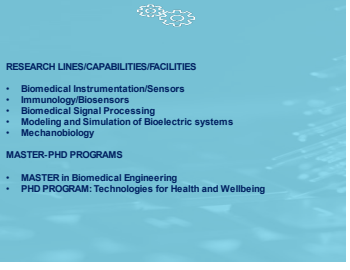
2025

Institutos Universitarios de Investigación y Centros de Investigación agrupados por áreas

Institutos universitarios de investigación y centros de Investigación agrupados por áreas

En la actualidad, la UPV cuenta con más de 3.000 investigadores integrados principalmente en 45 Institutos y Centros de Investigación que actúan en las siguientes áreas de trabajo:

Agricultura y biotecnología

CI2B Centro de Investigación e Innovación en Bioingeniería Center for Research and Innovation in Bioengineering	 Center for Research and Innovation in Bioengineering (Ci2B) Ci2B Website Ci2B LinkedIn Director: Beatriz Trénor Gomis btrenor@eln.upv.es  
IAM Instituto Agroforestal Mediterráneo Mediterranean Agroforestry Institute	 MEDITERRANEAN AGROFORESTRY INSTITUTE (IAM) https://iam.webs.upv.es/ Directora: Mercedes Verdeguez Sancho (merversa@eaf.upv.es) Contact: iam@upv.es  
IDM Instituto Interuniversitario de Investigación de Reconocimiento Molecular y Desarrollo Tecnológico Interuniversity Research Institute for Molecular Recognition and Technological Development	



ICTA Instituto Universitario de Investigación de Ciencia y Tecnología Animal Institute of Animal Science & Technology	Institute of Animal Science & Technology (ICTA) https://icta.webs.upv.es Director: Juan José Pascual Amorós Contact: jupascu@dca.upv.es RESEARCH LINES/CAPABILITIES: • Aquaculture and biodiversity • Animal nutrition • Animal genetics • Animal production systems and technologies FACILITIES: • Pilot plants • Farms • Laboratories MASTER-PHD PROGRAMS: • Master in Precision Livestock Farming • Master in Aquaculture • Master in Animal Genetics and Biotechnology of Reproduction • Master's Degree in Laboratory Animal Science • Master's Degree in Agricultural Engineering • Master's Degree in Forest Engineering • Doctorate programme in Animal Science and Technology
COMAV Instituto Universitario de Investigación de Conservación y Mejora de la Agrodiversidad Valenciana Institute for Conservation and improvement of Valencian Agrodiversity	Institute for Conservation and improvement of Valencian Agrodiversity (COMAV) web page/social media Contact: adrobun@upv.es RESEARCH LINES/CAPABILITIES/FACILITIES • Seedbank & agrodiversity conservation • Plant Breeding • Plant Biotechnology • Breeding for resilience • Quality breeding • Low input farming • Phenomics • Genetics and Genomics • Organic farming • Agricultural robotics • Food safety • Climate change mitigation MASTER-PHD PROGRAMS • Master's Degree in Plant Genetic Improvement • Erasmus Mundus MSc in Plant Breeding (mPLANT+)
IBMCP Instituto Universitario de Investigación Mixto de Biología Molecular y Celular de Plantas Plant Molecular and Cellular Biology Joint Research Institute	Plant Molecular and Cellular Biology Joint Research Institute (IBMCP) https://ibmcp.upv.es, @ibmcp.bsky.social, x.com/IBMCP, linkedin Director: Pablo Vera (vera@ibmcp.upv.es) IBMCP's main activity is cutting-edge, high-quality scientific research aimed at generating knowledge about the key processes of plant growth and development and their capacity to adapt to the environment with the ultimate goal of obtaining more productive and higher quality crops. RESEARCH DEPARTMENTS • Plant Development and Hormone Action • Biotechnology and Plant Breeding of Cultivated Species • Plant Stress Biology LEADING EDGE SCIENTIFIC FACILITIES 7000 m² labs and core research services (Metabolomics, Microscopy, Cell Culture, DNA sequencing and Bioinformatics) + 4150 m² greenhouses and growth chambers. MASTER-PHD PROGRAMS • Master's Degree in Plant Molecular and Cellular Biotechnology

PlantPhysiolUPV

Department of Agroforestry Ecosystems (DEA)

VICERRECTORADO DE INVESTIGACIÓN

Alimentación

CAMA

Centro Avanzado de Microbiología Aplicada

Applied Microbiology Advanced Research Centre



Applied Microbiology Advanced Research Centre/Centro Avanzado de Microbiología Aplicada (CAMA)
DIRECTOR: Rosa Montes Estellés **Contact:** rmontes@btc.upv.es

RESEARCH LINES/CAPABILITIES/FACILITIES

- Food Quality Control**
Detection and characterization of pathogenic microorganisms in food, water, air and surfaces
- Analysis of fungi in foods and environmental samples**
- Antimicrobial resistance in foods and environmental samples**
- Biological cleaning of mural painting, using live bacteria**
- Biodeterioration in works of art**

FoodUPV

Instituto Universitario de Investigación de Ingeniería de Alimentos

Food Engineering Research Institute



Food Engineering Research Institute (FoodUPV)
www.foodupv.webs.upv.es @foodupv (LinkedIn/X)
Director: María Vargas Colas (mavasco@tai.upv.es) **Contact:** foodupv@upv.es

RESEARCH LINES

- Food processing:**
Precision fermentation, 3D food printing, drying processes, antimicrobial systems, extrusion, biopreservation non-thermal technologies, winemaking
- Product development:**
Consumer preferences, oil structuring, food microstructure, functional foods
- Food safety and Quality control:**
Honey & beehive studies, LOA, winemaking monitoring, photonic technology for process control, ultrasound for the nondestructive analysis
- Food packaging:**
Valorisation of food waste for biodegradable and active packaging materials
- Nutrition and health:**
Precision nutrition, toxicology model systems, food digestion, IT tools
- Valorisation of by-products:**
Food waste and traditional foods valorisation for new ingredients obtention

MASTER-PhD PROGRAMS

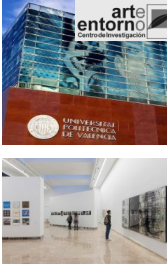
- Doctoral Program in Food Science, Technology and Management
- Master's Degree in Food Science and Engineering
- Master's Degree in Food Safety and Quality Management

Food Research and Innovation Group (CUINA)



VICERRECTORADO DE INVESTIGACIÓN

Arte y patrimonio

PEGASO Centro de Investigación en Arquitectura, Patrimonio y Gestión para el Desarrollo Sostenible Center for Research in Architecture, Heritage and Management for Sustainable Development	 Center for Research in Architecture, Heritage, and Management for Sustainable Development (PEGASO) pegaso.webs.upv.es Director: Pablo Rodríguez Navarro Contact: rodriguez@upv.es RESEARCH LINES/CAPABILITIES/FACILITIES The Research Center for Architecture, Heritage, and Sustainable Development Management (PEGASO) at the Universitat Politècnica de València is recognized as a center of excellence and national and international prestige in research, knowledge transfer, education, outreach, and cooperation in the fields of architecture, architectural heritage, and cultural management. It brings together researchers from diverse disciplines related to architecture and architectural heritage (including architectural conservation, surveys and preliminary studies, historical structures, development, cooperation, public use and tourism management, traditional materials and techniques, and sustainable development, among others). Research Areas - Architectural and Cultural Heritage - Methodologies for Knowledge and Understanding - Restoration, Conservation, and Heritage Management - Contemporary Architecture and Sustainability 
CIAE Centro de Investigación Arte y Entorno Art and Environment	 Art and Environment (CIAE) www.upv.es/ciae - ciae.webs.upv.es Director: Antonio Alcaraz Mira (aalcaraz@dib.upv.es) Secretary: Amparo Galbis Juan (amgalbis@upv.es) Technical staff Contact: ciae@upv.es : Silvia Molinero Domingo (lmolindo@upv.es) RESEARCH LINES/CAPABILITIES/FACILITIES Mural painting/ Languages techniques and pictorial processes/ Graphic work, creation and communication/ Cultural criticism, ethics of care and exhibition management/ Art and ecology project development/ increase environmental sustainability/ Creative design and graphic illustration/ Augmented reality/ New tools to improve the visitor experience in museums and exhibitions/ Pictorial production and dissemination/ Art, ethics of care and integral health/ information advice and documentation/ Landscape territory and city in the visual arts MASTER-PHD PROGRAMS • Master's Degree in Ecological Humanities, Sustainability, and Ecosocial Transition • Master's Degree in Art Therapy: Educational, Social, and Therapeutic Aspects of Art as an Accompanied Creative Experience • Participate in the Doctoral Program in Art: Production and Research 
IRP Instituto Universitario de Investigación de Restauración del Patrimonio Institute of Heritage Restoration	

Department of Drawing (DIB)

Painting department

Construcción e ingeniería civil

CITE

Centro de Investigación de Tecnología de la Edificación

Building Technology Research Center



Building Technology Research Center (CITE)

Director: Javier Benloch-Marco

Contact: cite@csa.upv.es



CTF

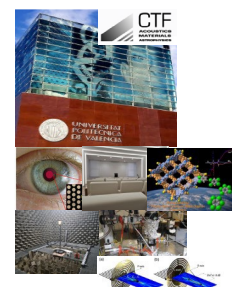
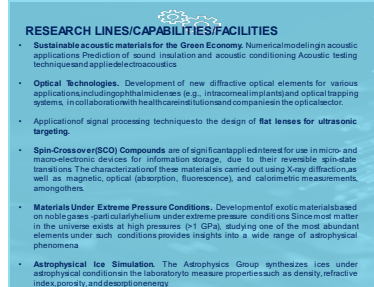
Centro de Tecnologías Físicas: Acústica, Materiales y Astrofísica

Physical Technologies Center



Physical Technologies Center (CTF)

Director: Jorge Curiel Esparza (jcuriel@fs.upv.es)



ITRAT

Instituto del Transporte y Territorio

Research Institute of Transportation and Territory



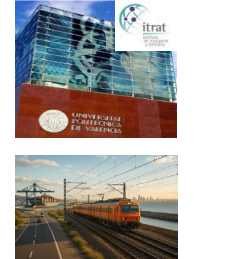
Research Institute of Transportation and Territory (ITRAT)

<https://www.upv.es/entidades/ITRAT/>

Director: Jorge Molines Llodrà (jmolino@upv.es)

Secretary: Alredo García García

Contact: jmolino@upv.es





ICITECH

**Instituto Universitario de Investigación de
Ciencia y Tecnología del Hormigón**
Institute of Concrete Science and
Technology



Institute of Concrete Science and Technology (ICITECH)

<https://icitech.webs.upv.es/>

Director: José R. Maril Vargas (direccion@icitech.upv.es)

RESEARCH LINES/CAPABILITIES/FACILITIES

- Concrete science and technology
 - Structural systems
 - Construction technologies and procedures
 - Experimentation in structural and construction engineering
 - Construction and building materials chemistry
 - Optimization and life cycle assessment
 - Sustainability and durability
 - Monitoring, maintenance and pathology
 - Structural safety
 - New materials
 - Industrialization, prefabrication and modular construction
 - Resistance to fire and extraordinary events
-
- 32x15 m² strong floor / 14 m high 3D reaction wall
 - Centralized hydraulic system / Actuators from 10 to 5000 kN



Department of Cartographic Engineering, Geodesy and Photogrammetry

Department Continuum Mechanics and Theory of Structures (MES)



Diseño gráfico e industrial

Centro de Investigación en Tecnologías Gráficas	
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Graphical Engineering Department



Energía

ITE

Instituto de Tecnología Eléctrica
Electrical Technology Institute



Electrical Technology Institute (ITE)

www.ite.es

Director: Alfredo Quijano aquijano@ite.upv.es

Secretary: Vicente Fuster vfuster@ite.upv.es

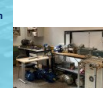
Joint Research Center UPV – Energy Technology
Institute Association

RESEARCH LINES

- Monitoring and diagnosis of high-voltage power networks
- Insulating materials
- Industrial electrostatics /
- Advanced techniques for fault detection in electric motors
- Monitoring of electric motors for diagnostics and efficiency estimation

FACILITIES

- High Voltage Laboratory
- Materials Laboratory for Electrical Installations
- Industrial Electrostatics Laboratory
- Electric Motor Testing Laboratory



IIE

Instituto Universitario de Investigación de
Ingeniería Energética
Institute for Energy Engineering



Institute for Energy Engineering (IIE)

<https://iie.webs.upv.es/>

LinkedIn

Director: José María González Maciá

Contact: energeta@upvnet.upv.es

RESEARCH LINES/CAPABILITIES/FACILITIES

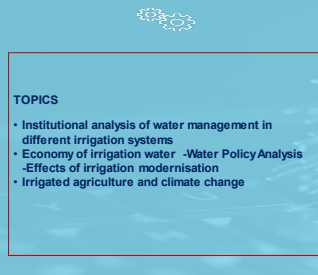
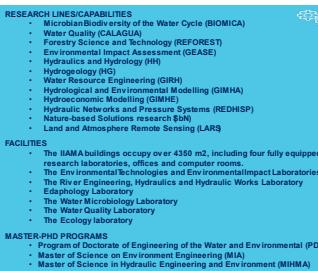
- Renewables & Advanced Energy Systems
- Thermo-Hydraulics & Nuclear
- Renewable Thermal
- Electricity Systems & Markets
- Electric Equipment & Systems

MASTER-PHD PROGRAMS

- Master Studies on Energy Engineering
- Doctoral Studies on Energy



Gestión del agua, medio ambiente y seguridad

CVER Centro Valenciano de Estudios sobre el Riego Valencian Centre for Irrigation Studies	 Valencian Centre for Irrigation Studies(CVER) https://www.upv.es/entidades/CVER/ Director: Alberto San Bautista Primod(a)nbau@prv.upv.e  TOPICS • Institutional analysis of water management in different irrigation systems • Economy of irrigation water -Water Policy Analysis • Effects of irrigation modernisation • Irrigated agriculture and climate change 
IGIC Instituto de Investigación para la Gestión Integrada de Zonas Costeras Institute for Integrated Management of Coastal Areas	
IIAMA Instituto Universitario de Investigación Ingeniería del Agua y del Medio Ambiente Research Institute of Water and Environmental Engineering	 Research Institute of Water and Environmental Engineering (IIAMA) iama.upv.es/en/ / facebook.com/iama.upv/ / x.com/iama.upv/ / instagram.com/iama.upv/ Director: Manuel Pulido Velázquez (mapuve@upv.es) Contact: info@iama.upv.es  RESEARCH LINES/CAPABILITIES • Microbial Biodiversity of the Water Cycle (BIOMICA) • Water Quality (CALAGUA) • Forestry Science and Technology (REFOREST) • Environmental Impact Assessment (GEASE) • Hydraulics and Hydrology (HH) • Hydrogeology (HG) • Water Resource Engineering (GRRH) • Hydrological and Environmental Modelling (GIMHA) • Hydroeconomic Modelling (GIMHE) • Hydraulic Networks and Pressure Systems (REDHSP) • Nature-based Solutions research (F&H) • Land and Atmosphere Remote Sensing (LARS) FACILITIES • The IIAMA buildings occupy over 4350 m², including four fully equipped research laboratories, offices and computer rooms. • The Environmental Technologies and Environmental Impact Laboratories • The River Engineering, Hydraulics and Hydraulic Works Laboratory • Edaphology Laboratory • The Water Microbiology Laboratory • The Water Quality Laboratory • The Ecology laboratory MASTER-PhD PROGRAMS • Program of Doctorate of Engineering of the Water and Environmental (PDAMI) • Master of Science in Environment Engineering (MIA) • Master of Science in Hydraulic Engineering and Environment (MHMA)   



ISIRYM

Instituto Universitario de Investigación de Seguridad Industrial, Radiofísica y Medioambiental

Research Institute for Industrial,
Radiophysical and Environmental Safety



Research Institute for IndustrialRadiophysical and Environmental Safety(ISIRYM)
Web: <https://isiryms.wuvs.upv.es/isiryms/> LinkedIn: <https://www.linkedin.com/company/isiryms/>

Director: José Antonio Mendoza Rocafamendo@ion.upv.es



RESEARCH LINES

- Neutronics and nuclear safety
- Radiological protection in radioactive and nuclear facilities
- Quality control, evaluation and improvement for radiological treatments and equipments
- Radiotherapy Planning System development
- Study of environmental radiation. Radon and its descendants.
- Membrane processes applied to water and wastewater for valuable compounds recovery and water reuse.
- Characterization and separation of microplastics and elimination of other emergent compounds.
- Ecoprocesses Production and application of natural coagulants, natural circulation evaporators and fabrication of sustainable membranes.
- Recovery of valuable and critical metals from electronic wastes and used batteries by electrochemical processes.
- Removal of emerging pollutants by electrochemical and photoelectrochemical advanced oxidation processes.
- Development of electrode materials for water electrolysis and redox flow batteries.





VICERRECTORADO DE INVESTIGACIÓN

Gestión empresarial y economía de la innovación

CQ

Centro de Gestión de la Calidad y del Cambio

Centre for Quality and Change Management



Centre for Quality and Change Management (CQ)

Director: Andrés Camión García

Contact: acaron@cq.upv.es

RESEARCH LINES

- Statistical Quality Control
- Quality Management
- Quality Improvement
- Applied Statistics
- Innovation Management
- Innovation in Craftsmanship
- Change Management
- Digital Divide and Functional Diversity
- Excellence in Sports Management



PRINS

Centro de Investigación en Dirección de Proyectos, Innovación y Sostenibilidad

Project Management, Innovation and Sustainability Research Center



Project Management, Innovation and Sustainability Research Center (PRINS)

<https://www.upv.es/> <https://www.linkedin.com/company/prinsupv/>

Director: Miguel Ángel Artacho Ramírez (miara@dpi.upv.es)
Secretario: José Luis FuenteBargues (jofuobar@dpi.upv.es)

RESEARCH LINES/CAPABILITIES/FACILITIES

Applied research in Project Management, Engineering, and Innovation Focus on urban sustainability, circular economy, and energy transition. Participation in European projects.

Key research areas:

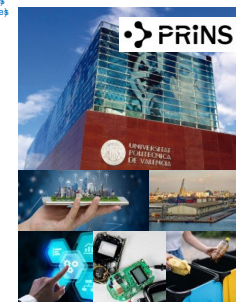
- Project Management Office & Innovation Management Office
- Sustainability & Project Management for urban transformation
- Decision support tools (MCDM & Abased decisionmaking)
- Stakeholder Analysis
- Lean Business Design
- Tech Mining & Future Scenario Design
- Social Innovation & Entrepreneurship
- Ecodesign & Circular Product Design
- Life Cycle Analysis (LCA) & Eco-labels
- Twin Transition & Waste Valorisation
- Smart Cities & Smart Rural Development

Certified training in:

- Sustainable development and innovation leadership

Flagship projects:

- Energy & Environmental Performance Analysis of the Valencian Ports.
- Circular indicators to Guide Consumers on Repairing Electronic Devices.
- LCA & Eco-efficiency analysis of Industrial Hot Terminals
- Carbon Footprint and Lean & Green Program in the Logistics Sector



CIGIP

Centro de Investigación en Gestión e Ingeniería de Producción

Research Centre on Production Management and Engineering



Research Centre on Production Management and Engineering (CIGIP)

<https://cigip.webs.upv.es/>

Director: Eduardo Vicens (evicens@cigip.upv.es)

Contact: info@cigip.org

RESEARCH LINES/CAPABILITIES/FACILITIES

Analytics, Optimisation & Intelligent Algorithms

- Algorithms for Finance and Insurance
- Algorithms for Transportation and Logistics
- Artificial Intelligence
- Data Analytics
- Intelligent Algorithms
- Machine Learning

Engineering and Performance Management Systems

- Sustainability Performance Management
- Collaborative Performance Management Systems
- Multicriteria Techniques for Performance Management Systems
- Performance and Knowledge Management
- Performance Management Systems under Uncertainty
- Quantitative Performance Measurement Systems

Supply Chain Strategy and Engineering

- Digital Platforms for Supply Chain Operations
- Mapping Models for Supply Chain
- Reference Models for Supply Chain
- Supply Chain Digitalisation
- Supply Chain Strategy
- Zero Defects Manufacturing Strategies

Collaborative Supply Chains

- Collaborative Forecasting and Production Planning
- Data Sharing Systems and Data-driven Manufacturing
- Supply Chain Digital Twin
- Supply Chain Operations Internationalisation
- Supply Chain Optimisation and Simulation
- Supply Chain Resilience and Sustainability

Smart and Sustainable Production and Logistics

- Business Process Monitoring Management and Reengineering
- IT enabled for Smart Supply Chain Management
- Mapping, Simulation and Optimisation for Decision Making
- Production Planning and Order Management
- Supply Chain Change & Management 4.0
- Sustainable Direct and Reverse Logistics

Workplaces and Distributed Environments Engineering

- Decision Support Systems
- Distributed Environment Lean Production Indicators
- Lean Technologies for Fine Production Reconfigurations
- Standardisation of Manufacturing Operations
- Workforce Training Systems
- Workplace and Workforce Optimisation





VICERRECTORADO DE INVESTIGACIÓN

CEGEA Centro de Investigación en Gestión de Empresas Research Center in Business Management	Research Center in Business Management(CEGEA) www.cegea.upv.es Director: Felipe Palau Ramírez fpalau@upv.es Secretary Erasmo I. López Becerra elopez@upv.es RESEARCH LINES/CAPABILITIES/FACILITIES • Agricultural Economics and Cooperativism • Accounting, Auditing, Taxation, and Public Sector • Law and Business • Entrepreneurship, Innovation, and Social Responsibility MASTER-PHD PROGRAMS • Master in Agrifood Business Management and Marketing- MBA • Master in Agrifood Cooperative Management- MBA • Master in Business Management and Digital Transformation • Master in Business Management and Strategic Planning- MBA ESTABLISHMENT : The Center for Specialization in Agri-Food Business Management was established in 1979. In 1980 it was consolidated as its own Research Structure, acquiring its current name. VISION : To be a leading university research center in the field of business management. MISSION : Research in all disciplines of business management, especially those of the social economy, and its transfer to the productive sector, helping to resolve legal, commercial, accounting and financial problems. VALUES : maintain a strong commitment to a well done job, the UPV, and the society.
INGENIO Instituto de Gestión de la Innovación y del Conocimiento Management of Innovation and Knowledge Research Institute	

Department of Economics and Social Sciences (DECS)

Department of Business Management and Organization (DOE)



Industria química y materiales

ITQ Instituto Universitario de Investigación Mixto de Tecnología Química Institute of Chemical Technology	
IUTM Instituto Universitario de Investigación de Tecnología de los Materiales Research Institute for Materials Technology	Research Institute for Materials Technology (IUTM) https://itm.webs.upv.es/ Director: Dr. Juan López Martínez Contact: jlopezm@micm.upv.es RESEARCH LINES/CAPABILITIES/FACILITIES • Advanced recycling processes for polymeric materials • Use of natural by-products to obtain biodegradable plastics • Development of meta alloys for biomedical applications • Sintering of ceramic materials with advanced properties • Powder metallurgy processes • Advanced Two-Dimensional Nanomaterials • Prototyping & Functional Polymeric Materials in the industrial and biomedical sector. MASTER-PHD PROGRAMS • Master's Degree in Materials Engineering, Science Processing, and Characterisation (https://www.upv.es/estudios/master/mulpcm/)

Dept. of Chemical and Nuclear Engineering/Environmental and industrial safety group (MEDASEGI)

Textile and Paper Engineering Department (DITEXPA)



Informática, automatización industrial y logística

A12

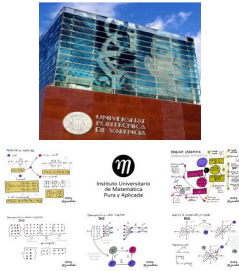
**Instituto Universitario de Investigación de
Automática e Informática Industrial**

Automatics and Industrial Informatics
University Research Institute

Department of Computer Engineering (DISCA)

Department of Computer Systems and Computation (DSIC)

Matemàtica

IMM Instituto Universitario de Investigación de Matemática Multidisciplinar Research University Institute of Multidisciplinary Mathematics	
IUMPA Instituto Universitario de Investigación de Matemática Pura y Aplicada Pure and Applied Mathematics University Research Institute	 UNIVERSITAT POLITÈCNICA DE VALÈNCIA Pure and Applied Mathematics University Research Institute (IUMPA) https://iumpa.webs.upv.es/ https://www.youtube.com/@iumpa_upv6981 Director: Jose Manuel Calabuig jm.calabu@upv.es Contact: im.pau@upv.es im.pau@upv.es RESEARCH LINES/CAPABILITIES/FACILITIES. • Pure Mathematics Algebra, Mathematical Analysis, Geometry, Topology • Applied Mathematics Fundamentals, Biology, Social and Health Sciences Physics, Machine Learning, Artificial Intelligence MASTER-PHD PROGRAMS • Master InvestMat (MUIMA) https://www.upv.es/estudios/master/muima/ • PhD in Mathematics (UPVUV) https://www.upv.es/entidades/doctorado/en/doctorado/programa-in-matematicas/ 

Multivariate Statistical Engineering Group (GIEM)

Salud, calidad de vida y educación

CBIT Centro de Biomateriales e Ingeniería Tisular Centre for Biomaterials and Tissue Engineering	 UNIVERSITAT POLITÈCNICA DE VALÈNCIA Centre for Biomaterials and Tissue Engineering(CBIT) https://cbit.webs.upv.es/ Director: José Antonio Gómez Tejedor jgomez@upv.es Manager: Andrés Alba Pérez aalba@upv.es RESEARCH LINES / CAPABILITIES / FACILITIES • Material-based cell culture systems, in vitro models of healthy and pathological tissues. Hydrogels, microgels, 3D bioprinting. • Materials for tissue engineering and controlled drug release: articular cartilage, end-stage liver disease, dental materials, muscle regeneration, spinal cord injury and neural regeneration, chronic skin wounds, gastrointestinal disorders, osteosarcoma. • Study of the cell-material interface. Cell adhesion, mechanotransduction, growth factor receptors, ion channels. • Development and characterization of materials: membranes, hydrogels, scaffolds, nanoparticles, microgels. Surfaces with functional biological properties (proteins and other macromolecules grafting). • Development of functional, biologically relevant systems for tissue engineering, targeted drug delivery, in vitro modelling, study of cell biology. • Access to human primary cells or tissues • Development of animal experimental models • Histomorphometric characterization of samples from in vivo and in vitro models. Confocal and electron microscopy. 
Instituto de Instrumentación para Imagen Molecular	
Instituto Universitario de Investigación Concertado de Ingeniería Mecánica y Biomecánica	
HUMAN-tech Instituto Universitario de Investigación en Tecnología Centrada en el Ser Humano University Institute for Research in Human-Centered Technology	 UNIVERSITAT POLITÈCNICA DE VALÈNCIA University Institute for Research in Human-Centered Technology(HUMAN-tech) https://human-tech.upv.es/en/home/ Director: Mariano L. Alcázar Raya (malcazar@htech.upv.es) Subdirector: vmaranjo@htech.upv.es RESEARCH LINES/CAPABILITIES • Artificial intelligence to transform health, society, agriculture, and industry • Pioneers in AI and Extended Reality to enhance human cognition • Advancing brain recovery through technology and multidisciplinary research • We evaluate how architectural and urban space influences people by analyzing their psychological, neurophysiological and behavioral response • Technology applied to the improvement of Occupational Health • Smart Technologies for the Design and Development of Human Capabilities FACILITIES • High-performance computing infrastructure • Electroencephalography eye tracking, GSR, capture, motion tracking, Electromyography • 3D cave, virtual reality, HMD, TDCs. 



Tecnologías de la información y las comunicaciones

Instituto Universitario de Investigación Mixto de Tecnología de Informática	
NTC Instituto Universitario de Investigación de Tecnología Nanofotónica Nanophotonics Technology Center	 Nanophotonics Technology Center (NTC) www.ntc.upv.es / @upvntc Director: Roberto Llorente Sáez. Contact: rllornt@ntc.upv.es RESEARCH LINES • PHOTONIC INTEGRATED DEVICES • PHOTONIC INTEGRATED SYSTEMS AND APPLICATIONS • OPTICAL NETWORKS AND TELECOMMUNICATION SYSTEMS • PLASMONICS, OPTOMECHANICS AND CHIRAL PHOTONICS • BIOPHOTONICS • PHOTONIC TECHNOLOGIES FOR APPLIED ANALYTICS • THz PHOTONICS AND OPTICAL SIGNAL PROCESSING • ARTIFICIAL MATERIALS AND METASURFACES • III-V SEMICONDUCTORS AND GRAPHENE • NOVEL NANOMATERIALS • PHOTOVOLTAICS FACILITIES • 3800 m² building including a 500 m² clean room (class 10100-10.000) • 6 / 8-inch 'one of kind' state-of-the-art CMOS-photronics FAB. • Silicon photonics prototyping and full fabrication cycle, including back-end services (packaging) • Appointed as <i>Infraestructura Científica y Técnica Singular</i> (ICTS)  
ITACA Instituto Universitario de Investigación de Tecnologías de la Información y Comunicaciones Institute of Information and Communication Technologies	 Institute of Information and Communication Technologies (ITACA) https://www.itaca.upv.es/ https://es.linkedin.com/company/itacaupv Director: María Salud Guillem Sánchez (mguisan@itaca.upv.es) Contact: itaca@itaca.upv.es RESEARCH LINES/CAPABILITIES • Data Science and Artificial Intelligence • Internet of Things • Process Mining • Systems Reliability & Cybersecurity • Microwaves, Radiofrequency & Electronics • Green Energy and Intelligent Energy Networks • ICTs for Climate Change, Circular Economy & Bioeconomy • Smart Transport & Green Aviation • Cardiovascular Research • Connected Health • ICTs for Clinical Decision-making • Medical Image Processing • Medical Instrumentation • Eco-efficient Microwave Processing • Sensors and Networks  
iTEAM Instituto Universitario de Investigación de Telecomunicación y Aplicaciones Multimedia iTEAM Research Institute	



VRAIN

Instituto Universitario Valenciano de
Investigación en Inteligencia Artificial
Valencian Research Institute for Artificial
Intelligence



Valencian Research Institute for Artificial Intelligence (VRAIN)

vrain.upv.es/ <https://es.linkedin.com/company/vrain/> https://www.youtube.com/channel/UC4P_T000CT_V0opre1_0g

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RESEARCH LINES/CAPABILITIES/FACILITIES

- Natural Language Processing
- Planning and Reasoning
- Software analysis, verification and testing
- Machine Learning and Deep Learning
- Computational Logic and Automated Reasoning
- Intelligent Agents/Multiagent Systems and HumanCentered AI
- AI, Privacy and Security
- AI in Health Sciences
- Natural Computing
- Genome Data Science
- Genomic Information Systems
- Responsible AI
- AI Evaluation
- Generative AI and Agentic AI

MASTER-PHD PROGRAMS

- Master's Degree in Artificial Intelligence, Pattern Recognition and Digital Imaging
- Master's Degree in Software Engineering, Formal Methods and Information Systems
- Master's Degree in Biomedical Engineering
- Master's Degree in Cloud Computing and High Performance

VRAIN 160 staffmembers:

- 80 Lecturers and researchers
- 227 full-time researchers
- 30 Early Stage Researchers
- 20 Postdoc Staff
- 140 doctors & 16 Full professors

Research Groups

- Systems, Formal Verification and AI
- Language Learning and AI
- Evolution of AI: Engineering and AI
- Software Production Systems (SPS)
- Machine Learning and Large Language Models (LLMs)
- Biomedical Engineering and Artificial Intelligence (BIAI)
- Technology Transfer and Innovation (TTI)
- Intelligent Systems (IS)

Audiovisual Communication, Documentation and Art History (DCADHA)

Communication department

Department of Applied Linguistics (DLA)



Transporte y automoción

IDF

Instituto de Diseño para la Fabricación y
Producción Automatizada
Desing and Manufacturing Institute

CMT

Instituto Universitario de Investigación
CMT Clean Mobility & Thermo fluids



CMT - Clean Mobility & Thermo fluids

Web: www.cmt.upv.es/ / [UnkedIn CMT](#) / [YouTube: @cmtinstitute](#)

Director: José Ramón Serrano Cruz (jserran@upv.es)

MAIN RESEARCH LINES

- Power plant hybridization. Control strategies and optimization
- xEVs thermal issues, thermal management
- Battery thermal runaway
- xEVs acoustic issues
- Fuel cell power plants
- Continuous combustion process (GT)
- Hydrogen combustion: continuous/discontinuous
- e-fuels, oxy-fuels, and ammonia combustion process
- CO2 neutral oxy-fuel combustion
- Aerodynamics (Internal / External)
- Predictive maintenance optimization applying AI
- Control of energy systems
- Injection systems and sprays

FACILITIES

- Aerodynamic Research Service (SIA) - Wind Tunnel
- Advanced Hydrogen Engine Test Benches
- Anechoic Chamber
- Battery Laboratory
- Multifunctional altitude simulator - MEDAS

MASTER-PHD PROGRAMS

- Professional Master: Master in Maintenance Engineering
- Scientific Master: Master in Propulsive Systems for a Sustainable Mobility
- Doctorate Programme: Propulsive Systems in Transportation

