



New European Bauhaus Facility - Matchmaking event 2025



Research Capacity and new collaborations

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The Institute of Communication & Computer Systems (ICCS)

- Founded as the research branch of the School of Electrical and Computer Engineering of the National Technical University of Athens (NTUA).
- Developing the Technologies of the future.
- ICCS today ranks among the top 3 Research Institutions in Greece and among the first 20 in EU -in terms of research funding.



	350 + International Partners & Memberships
	4450 + R&D projects
	39 Research Units
	800 + Researchers, Faculty & Staff
	8 Spin- offs, Innovation Hubs & Clusters
	1650+ Scholarships, Awards & Excellence



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Main Application Areas



Circular Economy & Tracing

- Frameworks & Digital Tools for Circularity
- Data Management Systems ,
- Digital Product Passports and Tracing
- AI/ML models for quality & quantity assessment
- DSS and Recommenders for biomass and Energy

Extended Reality

- Extended Reality technology applications for Stronger, connected, resilient and prosperous rural areas.
- Human robot collaboration for Ergonomics optimization, Textile handling, Wood sorting
- Digital twins and simulation environment, for collaborative scenarios

EO & Environmental Monitoring

- Sensors, wearables, wireless sensor networks
- Data management architectures & platforms
- EO based sensing, image processing, data fusion, sensing optimization
- Downstream applications for land/soil, water and air; Small sat study

Industry 5.0 & Smart Manufacturing

- Tailored Industrial Sorters
- Multi-sensing agents
- Co-Robots & AGVs
- Smart Retrofitting



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NEB topics



- HORIZON-NEB-2025-01-BUSINESS-01:

«Renovating the built environment through design for adaptability and disassembly»

- ICCS role: Participation in a consortium.