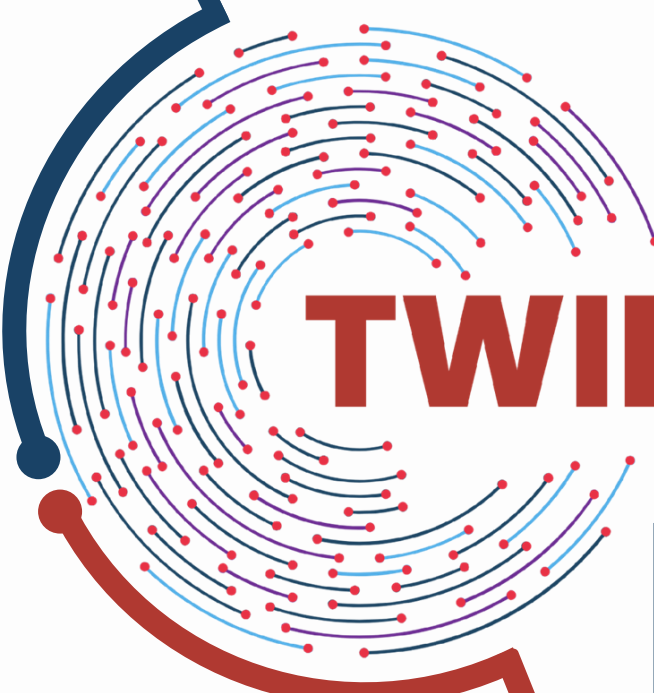


A large graphic on the left side of the slide. It features a stylized 'C' shape composed of many concentric, slightly irregular lines in blue, purple, and red. Small red dots are scattered along these lines. A thick blue arc is at the top left, and a thick red arc is at the bottom left, both connecting to the 'C' shape.

TWINRELECT

4th Research Management & Administration Workshop

Prof. Christos Sotiriou
University of Thessaly



Co-funded by
the European Union



UK Research
and Innovation

Welcome and Introduction

- Welcome to **Volos** and to the **4th Research Management & Administration Workshop of TWIN-RELECT**
- **Date:** July 16-17, 2026
- **Location:** Sekeri - Cheiden Str, ECE Building, Volos – Greece
- We are delighted to have you join us for two days focused on optimizing research management and administration within European projects!



TWIN-RELECT – Twinning for Excellence in Reliable Electronics

• Project Mission

- Establish a cross-layer methodology for the design of reliable Systems
- Elevate University of Thessaly's capacity in reliable electronic design
 - Achieved through strategic collaborations with our partners
- Elevate UTH's capacity at managing EU-funded research

• Project Timeline

- Start: 1 October 2024
- End: 30 September (November) 2027

• Coordinated by:

- University of Thessaly
 - Circuits and Systems Lab (CAS lab)



The Partners



5 Partners – 33 Researchers

Circuits and Systems Lab
research on custom-developed
EDA/CAD tools focusing on
reliability issues of electronics
in radiation environments
9 Members



System Architectures Department
research on modelling and analysis of
fault mechanisms in digital circuits and
the design of fault-tolerant circuits and
systems
12 Members



Advanced Processor Technologies group is devoting
increasing attention to the development of a new
generation of fault-tolerant neuromorphic computing
technologies
3 Members



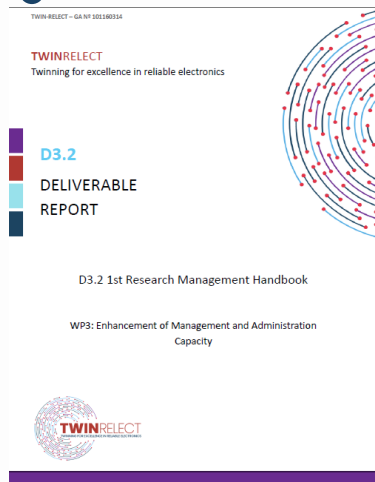
Institute of Electronics and Systems, which
is a joint research unit between University
of Montpellier and CNRS, is specialized in
sensors, devices and systems for hostile
environments. Within IES, the RADIAC
team is particularly focusing on reliability
issues of electronics in radiation
environments.
9 Members



Progress So Far

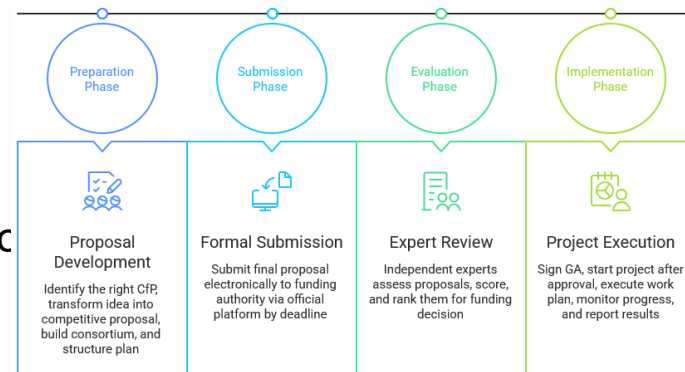
- **Objective:** Strengthen UTH's expertise in research project management and administration
- **International Projects Office**
 - 8 members
 - Collaboration with UTH Centre for Entrepreneurship & Innovation (CEP)
 - Preparatory steps underway for research management and administration software toolset deployment

1st Research Management Handbook — Delivered



- The Handbook is intended for:
 - International Projects Office staff at UTH
 - UTH researchers and administrative staff involved in research projects
 - Early-stage researchers seeking an introduction to research management
 - External users interested in research management and administration

- Overview of European research programmes, funding mechanisms, and the general lifecycle of research calls
- Guidelines for the effective management and administration of collaborative research projects
- Principles of financial, administrative, and project risk management
- Typical research management and administration tools
- Dissemination, exploitation, and communication practices



Available at TWIN-RELECT virtual knowledge platform:
<https://24202160281.thesite.link/view.php?id=113>

The Research workshops so far



UTH Staff participates in Research Staff Conference organised by **University of Manchester**

January 2025



UTH organized the 3rd Research Management and Administration Workshop in **University of Thessaly, Volos**

July 2025



UTH organized the 4th Research Management and Administration Workshop in **University of Thessaly, Volos**

July 2026

May 2025

UTH participated in the 1st Research Management and Administration Workshop in **IHP, Germany**



January 2026

UTH participated in the 3rd Research Management and Administration Workshop in **University of Manchester**



The Research workshops so far: Topics covered in previous workshops

- Scientific writing and publication best practices
- Research funding opportunities and competitive proposal development (including Horizon Europe)
- Research project management, leadership, and agile workflows
- Cross-disciplinary research and collaboration
- Research data management and support services
- Research communication, dissemination, marketing, and AI for research
- Research commercialisation, intellectual property, and pathways to market

How UTH has grown

- Circuits and Systems Lab (CASLab) has grown from **11 members** to **25 members** since the project began, with **5 additional interns** this summer

	At Project Start (Oct 2024)	Today (Jul 2026)
Undergraduate students	4	16
PhD candidates	4	6
Postdoctoral researchers	3	3
Total	11	25

This growth has also strengthened gender balance in the lab — from 2 to 6 women
(18% to 24% of the team)

Student Internships Abroad

Through TWIN-RELECT, CASLab students have gained hands-on research experience at partner institutions across Europe

- IHP, Frankfurt (Oder) — 4 internships completed
- University of Montpellier (CNRS/IES) — 1 internship completed
- University of Manchester — upcoming



Group photo with IHP and UTH members during the short-term visit of UTH at IHP



Social event with colleagues from CNRS & IHP during the short-term visit of Nikos Chatzivangelis at CNRS

Our Joint Proposals so far

- Building on the collaborations formed through TWIN-RELECT, the consortium has jointly submitted **4 major proposals under European funding frameworks**.

Proposal	Focus Area	Status
ODE4EC-DIG	Open-source EDA ecosystem for digital SoC design	Accepted
ODE4EC-AMS	Open-source methodologies for analog/mixed-signal ASIC design	Accepted
Edge AI for Agrifood Sustainability, Disaster Resilience & Resource Management	Edge AI for societal challenges across six European universities	Rejected
RESYST-CHIP (MSCA Doctoral Network)	Training 15 early-stage researchers in resilient SoC design	Accepted

Workshop Objectives

- To prepare competitive **proposals for European research funding**
- To build **sustainable research and innovation ecosystems**
- To **strengthen collaboration** with major research agencies, including ESA
- To explore the transition from R&D concepts to **market-ready products**
- To engage with **open-source tools** for chip design and microelectronics research
- To **exchange knowledge** on funding opportunities and project management practices in European R&D



Expected outcomes: Enhanced proposal-writing skills, stronger institutional partnerships, and a clearer pathway from research concept to funded, market-relevant outcomes.

Workshop Agenda

Thursday, 16 July 2026

09:00 - 09:45	Welcome Session & Overview of Research Management Progress Prof. Christos Sotiriou, University of Thessaly	13:30 - 14:15	Innovation Management in the Age of LLMs: Accelerating Complex System Design Prof. John Goodacre, Department of Computer Science, University of Manchester
09:45 - 10:30	Scientific Management: Balancing Innovation and Critical Services Dr. Salvatore Danzeca, CERN	14:15 - 14:45	Open source chip design tools: What for? In the past, the present and the future Mr. Edmund Humenberger, SymbioticEDA
11:00 - 11:45	From Proposal to Ecosystem: Building Successful European Research and Innovation Projects Prof. Christian Pilato, Politecnico di Milano	14:45 - 15:45	Managing Large Multi-Country Consortia Open Discussion
11:45 - 12:30	How to do R&D with ESA's TEC Directorate Dr. Viyas Gupta, European Space Agency (ESA)		



Workshop Agenda

Friday, 17 July 2026

09:00 - 09:45	Proposal Preparation: Lessons Learned from the AIDA4Edge and PEMS-ML Projects Prof. Milan Dinčić, Faculty of Electronic Engineering, University of Niš	13:30 - 13:50	Meet the IEEE Student Branch & WIE Affinity Group of Volos Panagiotis Balamotis, Eleftheria Litou, Evangelos Toris, University of Thessaly
09:45 - 10:30	The path from an R&D idea to a product Mr. George Konstantinidis, Technology and HPC/AI HW Design consultant	13:50 - 14:00	Closing Session Prof. Christos Sotiriou, University of Thessaly
11:00 - 11:45	European Project Design and Management: Challenges and Opportunities Mr. Charalampos Samantzis, Center of International Education University of Thessaly		
11:45 - 12:30	EU-Band: A D-Band Joint Communication and Sensing System in a Eurostars Project Dr. Karthik Krishnegowda, IHP - Leibniz Institute for High Performance Microelectronics		



Looking Ahead / Next Actions

- As TWIN-RELECT moves into its final phase, the focus turns to consolidating what's been built and closing out the workshop series.
- **2nd Research Management Handbook**
 - Structure of EU project proposals
 - Requirements across project types (Twinning, MSCA, space projects, and others)
 - EU project reporting procedures
- **Final workshop and continued exchange**
 - 5th and final workshop, hosted by UTH (2027)
 - Continued staff exchanges and on-site training across partner institutions
 - Expansion of the research management and administration software toolset

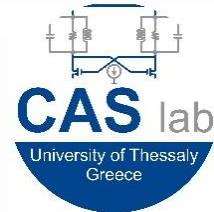


Welcome to Volos!!!

Have a Great Time!

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