Title of BIP: EDGE Computing BIP.

General information

Objectives and Description:

The primary objective of this program is to familiarize students with the emerging paradigm of Edge Computing. Through a collaborative international pedagogical approach, the curriculum emphasizes the design and optimization of digital systems subject to specific operational constraints.

The core of the program focuses on RISC-V architecture, offering students a practical methodology for engaging with this open standard. The curriculum encompasses efficient programming techniques and energy efficiency in embedded systems, alongside a comprehensive introduction to Edge Networks. Additionally, the training includes specialized workshops dedicated to data analysis and visualization.

Methods and outcomes:

The course will combine a few introductory lectures, practical work in computing labs and workshops, together with autonomous work by the participants and presentation of the final results.

Most of the activities will be dynamic ones with participation of the participants.

Field of Education:

Computer Science, Computer Architecture, Electronics Engineering,

Target audience / Participants profile:

Students of bachelor (2nd year and above) are the main focus, but it will be open also to master or PhD students, in any of the fields above, together with researchers and teaching staff on the same fields.

No of ECTS issued:

3 ECTs

The student will be graded as pass or fail.

Language of instruction and requirements:

English B1

Dates for physical activity:

1 to 5, June 2026

Location of physical activity:

Universidad de Zaragoza.

Dates for virtual component:

Spring 2026, 2 sessions: 4 May to and 11 June

Virtual Component Description:

First session will be devoted to present the BIPs aims and focus the work, two others will be introductory lectures to the topics, and one or two final ones will be dedicated to present the final work of the participants and discuss about the result.

Organizing Board

Receiving/Host university:

University of Zaragoza, Spain (María Villarroya Gaudó, mvg@unizar.es)

Sending/Partner universities:

P1, University Vest Timisoara (Romania) (Alexandra Fortis, alexandra.fortis@e-uvt.ro, and Florin Fortis, florin.fortis@e-uvt.ro)

P2, Université de Pau et de Pays de l'Addour (France) (Philippe Arnould, philippe.arnould@univ-pau.fr).

Detailed program

1. Planned **activities during virtual component:**
BIP Edge Computing On line Session
May 4th, CET · 12:00 – 13:00 https://meet.google.com/ghv-uned-ryv

2. **Planned activities during physical component: June 1st to June 5th**
 Timetable of every day will be

 Session 1: 9:00 to 11:00

 Break

 Session 2: 11:30 to 13:30

 Lunch break (Lunch will be free for participants coming other Universities)

 Session 3: 15:00 to 17:00

 Seminars, plus labs and discussions sessions.

 In the afternoon there will be some social events.

 The content of the sessions organized in lectures and workshops will be detailed soon.

4. **FINAL activities during virtual component:**
 One on line sessions to present the achievements and project developed and conclusions.
BIP Edge Computing On line Session
June 11th, CET · 12:00 – 13:00 https://meet.google.com/ghv-uned-ryv

Application procedure on each University:

Deadline for receiving list of participants at relint@unizar.es: April 20th 2026

10 places are kept for UVT and UPPA, and 3 for other UNITA partner. Maximum number of participants 55.

Deadline to confirm the acceptation, April 27th 2026

Preparing the Attendance to the University of Zaragoza

How to arrive to Zaragoza: https://www.zaragozago.com/como-llegar/

The venue will be Escuela de Ingeniería y Arquitectura. Edificio Ada Byron

https://diis.unizar.es/es/localizacion

Some hotels offer especial prices when coming to events organized ta the University: further information here

https://vgeconomica.unizar.es/sites/vgeconomica/files/archivos/PCC/hoteles/Listado%20Hoteles%20Concertados%20ZGZ%202025.pdf

The city of Zaragoza has offer information about accommodation here: https://www.zaragoza.es/sede/portal/turismo/zcb/organiza-tu-evento/servicio/empresa-zcb/?idepigrafe=4

Other addresses for accommodation in residences and hostels here:
Residencia Nodis: https://nodiszaragoza.greenlts.es/
Residencia Xior: https://xior.es/xior-residencia-estudiantes-zaragoza/
Residencia Pigantelli: https://www.residenciapignatelli.es/
Hostal Ávila: https://www.elhostalavila.com/