



1ST BAI SYMPOSIUM PROGRAM
NOVEMBER 18TH-20TH, 2025



1st BAI SYMPOSIUM

The BAI Institute, funded by the Government of Navarra, the Ministry of Housing and Urban Agenda, the Ministry of Industry and Tourism, and other institutions, is a National Reference Center for Industrialization, Robotization, and Innovation in Construction and Architecture. The BAI Institute's main objective is to conduct research on innovative technological systems applied to architecture and engineering and to provide training to architects, engineers, and construction professionals through cutting-edge design and construction methods. This effort aims to prepare companies and technicians at all levels, from vocational training to postgraduate studies, to respond to contemporary societal demands.

The BAI Institute conducts research in two complementary ways: first, by developing innovative solutions in partnership with qualified companies in the sector, and second, by designing real, innovative buildings or interventions on an architectural and urban scale within an "Advanced Projects Laboratory." Both approaches aim to leverage new technologies in innovative, critical, and humanistic ways to construct the best possible buildings, infrastructures, and cities within contemporary societies, which are more changeable than ever before.

Based on these premises, the First BAI Symposium aims to raise awareness of the principles that structure the National Center for Robotization and Innovation in Architecture. The symposium also aims to promote debate on the relationship between technological innovation, architecture, and the city. It will raise open questions that require open, holistic, critical, and transversal approaches. The symposium will provide a platform for architects, engineers, technologists, sociologists, economists, politicians, and other civil society representatives to raise critical questions within five interrelated fields of debate. These fields will shape the structure of the symposium and reproduce the formative structure of the BAI Program, which is based on five teaching and research modules: Design-Innovation-New Technologies; Environment-Construction-History; Thought-Criticism-Project; City-Economy-Society; and Advanced Projects Laboratory.

The First BAI Symposium, held over three days in Pamplona, will also feature the presentation of innovation projects developed by the inaugural cohort of students from the National Robotics Center during the M-Zero workshops (October–November 2025).

KEY FACTS ABOUT THE 1ST BAI SYMPOSIUM

DATE & LOCATION

November 18th–20th, 2025

Arms Room of the Citadel of Pamplona

DIRECTORS

Francisco Mangado

Extraordinary Professor at ETSAUN and Academic Director of the BAI Program

Eduardo Prieto

Professor at ETSAM-UPM and Technical Director of BAI

REGISTRATION

Admission is free until the venue reaches full capacity.

RECOGNITION OF CREDITS

Those enrolled in the BAI Program who participate in the symposium will receive proportional credit for Modules 2, 3, and 4.

PROGRAM

TABLE 'Thought-Criticism-Project'

At the BAI Institute, technology is critically studied to understand the architect's role and its relationship with thought and technique.

TABLE 'City-Economy-Society'

The BAI Institute promotes critical training to address the social, urban, and economic challenges shaping contemporary architecture.

TABLE 'Design-Innovation-New technologies'

BAI seeks to integrate ethics and technology to enhance architectural design and improve people's lives.

TABLE 'Environment-Construction-History'

The roundtable will examine how environment and innovation have guided architecture's evolution through history.

TABLE 'An Atlas of Contemporary Architecture'

The BAI project integrates knowledge to promote architectural innovation and industrialization through collaborative, real-scale experimentation.

1ST BAI SYMPOSIUM PROGRAM

NOVEMBER 18th

10:00 h Official inauguration by the Minister of High Education, Innovation, and Digital Transformation of the Government of Navarra
Presentation of the event by the BAI Directors

10:15 h **TABLE 'Thought-Criticism-Project'** (rapporteur: Guiomar Martín)

At the BAI Institute, technology will be critically evaluated from cross-disciplinary and humanistic perspectives. This broad temporal approach allows for a better understanding of the architect's role today, past and present architectural thought, the fundamentals of architectural criticism, the relationship between thought and action, and the relationship between architecture and technology.

Inaugural keynote lecture

Daniel Innerarity, philosopher and essayist, director of the Globernance Institute

11:00 h Coffee break

11:30 h Marina Otero, professor at Columbia GSAPP
Lluís Ortega, professor at ETSAB-UPC

Roundtable

13:00 h Lunch break

16:00 h **TABLE 'City-Economy-Society'** (rapporteur: Guiomar Martín)

What are the demands of contemporary society? What about today's cities? What are their economic principles? How can architectural projects be approached from the perspective of social challenges? From the perspective of management? These are questions that require knowledge that is currently lacking in architectural training. That is why the BAI Institute has given them special importance in its program, and why they will also be addressed at the fourth roundtable of the First BAI Symposium. The symposium will present the complex and changing reality surrounding architects today. This reality must be understood in detail to accurately shape responses and give meaning to formal and technical work. Otherwise, it risks falling into a vacuum or becoming diluted into uncritical positions.

Joan Clos, former mayor of Barcelona and former director of ONU-Habitat
Francisco Mangado, UNAV Extraordinary Professor and BAI Program Academic Director
Carlos Peña, partner in the Public and Regulatory Law department at Andersen

Roundtable

NOVEMBER 19th

10:00 h Presentation of the conference

10:15 h **TABLE 'Design-Innovation-New Technologies'** (rapporteur: Fernando Moral)

One of the BAI Institute's fundamental objectives is to create an environment that fosters creative interaction between architecture and industry. The first panel of the First BAI Symposium will critically evaluate new tools associated with the "digital craftsmanship" paradigm, including 3D printers, robotic arms, computational design software, and other methods of industrialization, prefabrication, and execution control. Rather than approaching the relationship with technology from the perspective of simple adaptation or submission, the symposium will explore the pragmatic and ethical control of technology through architecture. The fundamental question is: How can we harness the potential of new technologies for design to improve people's lives?

Andrea Deplazes, professor at ETH Zurich and Director of Research at BAI
Enrique Herrera, Vice-Rector for Research at the University of Granada

11:15 h Coffee break

11:45 h Jonathan Benhamu, Adjunto de Investigación de BAI

Roundtable

13:00 h Lunch break

16:00 h **TABLE 'Environment-Construction-History'** (rapporteur: Fernando Moral)

This roundtable discussion will focus on how construction methods, systems, and materials have evolved over time to enable the creation of exceptional architecture. Special attention will be given to environmental and energy considerations, not merely as concepts linked to economic sustainability, but as ideas that have led to valuable design solutions. We will critically analyze aspects of the environmental and construction history of architecture, as well as the avant-garde trends currently shaping architecture from environmental and construction perspectives. Our goal is to establish a fruitful dialogue between different solutions and historical moments, and to pursue a deep understanding of construction innovations.

Eduardo Prieto, Professor at ETSAM-UPM and Technical Director at BAI
Marta Peris, Peris+Toral Architects
Luca Volpi, Societat Orgànica

Roundtable

NOVEMBER 20th

9:15 h Presentation of the conference

9:30 h **TABLE 'An Atlas of Contemporary Architecture'** (rapporteur: Eduardo Prieto)

The architecture project at BAI will synthesize all imparted knowledge and function as an open, cross-disciplinary workshop. Students will participate in ongoing projects, working alongside architects, engineers, technicians, and industrialists. Through 1:1 scale models, students will work as if in a testing laboratory for innovative solutions inspired by the Institute. These solutions will seek constructive, environmental, economic, and social endorsement in reality. Based on this premise, the final panel of the first BAI symposium will discuss valuable experiences in architectural innovation and industrialization from the perspective of those involved.

Bet Capdeferro and Ramon Bosch, Bosch Capdeferro Architects
José Toral, Peris+Toral Architects
María Novo and Octavio Vázquez, Paudepedra

Roundtable

11:00 h Coffee break

11:30 h Josep Maria Borrell, Director of IMPSOL (Barcelona Metropolitan Area)
Javier Burón, Managing Director of NASUVINSA
Juan Herreros, Professor at Columbia GSAPP

Roundtable

13:30 h Closing of the event



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