



TECH4EU CONSTRUCTION



14 October



Infante Room | 14:30h

Workshop | AI, Data and Robotics for Construction 5.0: From European Pilots to Industrial Deployment

SHIELDBOT • RADIANCE • ROBOCONS • DISCOVER

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AGENDA

- 14:30–14:35 | Welcome, objectives and framing
- 14:35–14:55 | Context and case presentations
- 14:55–15:25 | Small-group discussion and moderated panel
- 15:25–15:40 | Plenary synthesis and audience Q&A
- 15:40–15:45 | Key takeaways, next steps and close

Moderator

Andoni Amurrio | Ikerland (RoboCons Project)

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Moderator

Andoni Amurrio

Researcher, IKERLAN

ROBOCONS PROJECT

Andoni Amurrio is a Researcher at IKERLAN and coordinator of RoboCons, a Horizon Europe project building a robot-human construction ecosystem and digital platform for safe, efficient and sustainable on-site automation.

As moderator and coordinator of RoboCons, Andoni will guide the workshop session and will showcase the project insights into the project's technological developments and the role of trustworthy robotics in enabling safer, smarter and more efficient construction processes.



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SPEAKER

Juanan Arrieta

Head of International R&I Projects and Programmes, IDEKO

SHIELDBOT PROJECT

An industrial engineer (University of Navarra) with a PhD in Business Administration (University of Mondragon), Juanan has worked at IDEKO since 1998 and has directed its international R&D projects and programmes since 2012, across FP6, FP7, H2020 and Horizon Europe.

Juanan sits on the EFFRA Partnership Board and the Manufuture ETP High-Level Group, and is active in ADRA, euRobotics and BDVA.



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SPEAKER

Carlos Saldarriaga

Postdoctoral Researcher,
CDEI-UPC

DISCOVER PROJECT

Carlos received a PhD in Mechanical Engineering from Stony Brook University (USA) in 2021 and joined the CDEI-UPC Robotics team as a postdoctoral researcher in 2025, working on robot control and software for DISCOVER.

Carlos is also a lecturer at ESPOL University (Ecuador), with research on the dynamics and control of robotic and mobile manipulators published at CDC, ACC and ICRA.



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SPEAKER

Jorge Rodríguez

Researcher, Aldakin

ROBOCONS PROJECT

Jorge works at the intersection of research, technological innovation, and industrial application, promoting collaboration among industry, research institutions, and other stakeholders. Jorge's interests include emerging technologies, digital transformation and integrating innovative solutions into industrial environments.

Within RoboCons, Jorge supports approaches that connect advances in robotics, AI and intelligent automation with the practical needs of construction.



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SPEAKER

Gálata Martínez

PhD Student and
Researcher (Universidade
de Vigo)

RADIANCE PROJECT

Gálata Martínez is a PhD student and researcher at Aerolab (IFCAE), Universidade de Vigo, and also works as an EU Project Manager.

Gálata represents RADIANCE, a Horizon Europe project developing an integrated suite of robotic, digital and AI-based technologies that supports the full renovation process, from inspection and diagnosis to repair, safety, planning and sustainability assessment.



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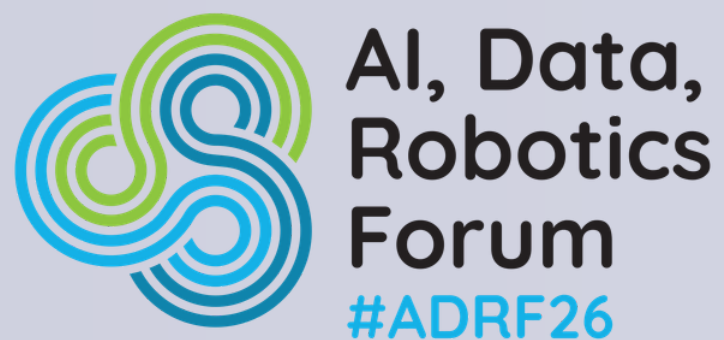
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