

WEDNESDAY 05/06/2024

09:30 - 13:45 Accreditation desk opening hours*Conference room of Hall 4 (BEC)*

Remember that you have the option of registering for the conferences through the website and/or at the accreditation desk in Hall 4 during the event. Until then, get your accreditation in advance by clicking on the following [link](#).

10:00 - 10:05 Welcome and Opening of A&R Talks

THEMES: THE ROBOT IN THE FACTORY OF THE FUTURE**10:05 - 10:35 KEYNOTE OPENING: Turning points***Gregorio Ameyugo - Head of Artificial Intelligence and Robotics Division - CEA*

It's difficult to make predictions, especially about the future. And in the age of artificial intelligence, even more so. Technological waves seem to be coming faster and faster, and the increasingly uncertain outlook is holding back investment rather than encouraging it. From semiconductors, to the cloud, to computing centres, to large artificial intelligence models, to the robots that should benefit, this paper will review various technological trends over the next decade, their intersections, and where we can expect inflection points, for which we should prepare.



Gregorio Ameyugo

10:40 - 10:55 Robotics and AI: improvements in the present and the outlook for the future*Eneko Ugalde Iriondo - Head of Autonomous and Intelligent Systems - Tekniker*

En los últimos años la robótica y las tecnologías robóticas están experimentando grandes avances en todo lo que respecta a una autonomía mejorada a la hora de tomar decisiones, una fusión de información a partir de sensórica y sistemas de visión e interpretación de la información para obtener una mayor flexibilidad y adaptabilidad, pero el presente y el futuro cercano nos ofrece muchas oportunidades, como por ejemplo el aprendizaje automático, la interacción mejorada entre las personas y el robot, etc.



Eneko Ugalde Iriondo

11:00 - 11:15 Maximizando la flexibilidad en logística gracias a la AI en robótica móvil

Roberto Lorenzo - Commercial Director - ABB

By incorporating Artificial Intelligence into mobile robotics, ABB takes logistics to the next level by achieving maximum flexibility. Thanks to Visual SLAM technology, an AMR (autonomous mobile robot) can adapt to any environment without additional references, combining AI and 3D navigation, making the most intelligent decisions in each case. Roberto Lorenzo will explain how it achieves high accuracy, savings of up to 20 percent at the AMR installation and the level of security it guarantees. In terms of application, he will look at how it makes production with AMRs faster, more flexible, efficient and resilient and how it can be the perfect accessory for mobile robots in any type of industry.



Roberto Lorenzo

11:20 - 11:55 ROUND TABLE: The challenges of process automation in industrial companies

Participants:

- Xabier Zubizarreta - CEO - Smartlog Group
- Borja Garate Iraolagoitia - Manager - Metrología Sariki
- Mikel Marín Turrillas - Northern Zone Delegate - Beckhoff

Moderates:

- Naiara Zubizarreta - ADDIMAT and STECH Director - AFM CLUSTER



Xabier Zubizarreta



Borja Garate Iraolagoitia

Mikel
Marín
Turrillas

Naiara Zubizarreta

11:55 - 12:30 Coffee Break

12:30 - 12:50 Efficiency and sustainability of industry through automation

Manuel Senk - Head of Global Business Development - Murrelektronik

Connected Future: How decentral automation contributes to today's and future challenges. In this presentation I will point out how decentral automation can contribute to cost pressure, labor shortage, sustainability and more to increase the flexibility, the energy efficiency and competitiveness of machine equipment for the factory of the future.



Manuel Senk

12:55 - 13:45 Success stories in automation and colloquium

- *CNC Robotics – technology driven and digitally integrated*
 - **Victor Malita** - Head of robotics for machine tools - **Siemens AG**
 - **Asier Barrios** - **Ideko**
- *Automation, electrical engineering > cylinders and Cartesian robots, SCARA and others*
 - **Juan Carlos Sasia** - **Larraioz**
 - **Antxoka Gómez Prado** - Chief Marketing Officer - **Inser Robótica**
- *Collaborative palletiser*
 - **Francisco Jorquera** - Product Manager - **Bosch REXROTH**



BIEMH

PROGRAMA



Asier Barrios



Victor Malita



Juan
Carlos
Sasia



Antxoka Gómez Prado



Francisco Jorquera

13:45 - 13:50 Closing

** Preliminary programme subject to change*