

IFAC ACTIVITY FUND OUTREACH EVENT

**INNOVATION, SUSTAINABILITY
AND RESILIENCY FROM A
SYSTEMS-&-CONTROL
PERSPECTIVE:
A FORUM FOR IDEAS
AND NETWORKING**

BOLOGNA, ITALY, NOVEMBER 23, 2022

HOSTED BY:

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ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
DEPARTMENT OF ELECTRICAL, ELECTRONIC
AND INFORMATION ENGINEERING
"GUGLIELMO MARCONI"

The **one-day event** will be organized in connection with the “1st IFAC Workshop on Control of Complex Systems (COSY 2022), 24-25 November 2022, Bologna, Italy” as a **Pre-workshop Event** and will be concluded by an **on-site visit of BI-REX Pilot Plant**.

WHEN?

EVENT: November 23 from 14:00 to 18:00 (2-6 pm).

PILOT PLANT TOUR: November 25 from 9:00 to 10:00 (9-10 am).

WHERE?

EVENT: Aemilia Hotel, Via Giovanna Zaccherini Alvisi 16 – **Bologna**

PILOT PLANT TOUR: BI-REX Headquarters, Via Paolo Nanni Costa 20 – **Bologna**

WHY?

To **create the awareness of the crucial role of Systems and Control** in the implementation of the measures needed to achieve the present main goals of the local, national and international policy, like the transition to: digitalization, green and sustainable industry, cleaner energy and low-emission mobility.

The labor-market and civil-society actors who are pre-eminently addressed by the event are private and public enterprises, start-ups and spin-offs, industrial associations, leagues of cooperative enterprises, regional governance, civic and cultural associations.

BI-REX Competence Center plays a crucial role in the event organization as the joining link between the academic world and the actors to reach out.

AGENDA:

First part: Introduction to the event (14:00 - 14:30)

- **An Introduction to the IFAC Activity Fund Outreach Event** (E. Zattoni);
- **DEI presentation** (R. Rovatti);
- **BI-REX presentation** (D. Mascolo).

Second part: Use cases (14:30 - 17:50)

- **GTS: Robotics in Litter Hunting presentation** (E. Della Volte);
- **VAR Group: One automaton to rule them all** (A. Jacassi, F. Corubolo);
- **Schneider Electric: Smart Manufacturing: how digitalization can support sustainable value chains** (M. Gamba);
- **Youbiquo: AR Smart Glass with Embedded Metrology for Quality Inspection in Industry** (P. Carratu);
- **STMicroelectronics: AI for Embedded Systems and use cases** (D. Ruggiero);
- **Atos** (P. Cosma);
- **Nextema: Data-Driven Control in Digital Metallurgy by Direct Energy Deposition** (A. Ascari);
- **Leonardo** (A. Garibbo);
- **TIM: Edge-cloud-5G approach for Industry 4.0** (E. Buracchini).

Third part: Q&A (17:50 - 18:00)