

ENRICH 2019 Schedule

Monday 01/7/2019

- 0900 Official Opening Ceremony,
Safety Instructions,
Inprocessing
- 1200-1330 Lunch [same time daily]
- 1400-1500 Scenario Tour for Participants
- 1500-1800 Testing, Set-Up of Robots, Sensors and
Wireless [Bitlane and outdoor]

Tuesday 02/7/2019

- 0800-1800 Testing, Calibration, Set-Up of Robots,
Sensors and Wireless outdoor/indoor
with RN- Sources outdoor
- 1000-1400 **Press conference**
- 1800-2100 Postersession, BBQ- Dinner

Wednesday 03/7/2019

- 0800-1800 Competition Day 1 of 2
- 1100-1400 **VIP- Day**

Thursday 04/7/2019

- 0800-1500 Competition Day 2 of 2
- 1000 Group Photo
- 1530-1800 Award Ceremony & Farewell

Friday 05/7/2019

- 0800-1200 Departure Teams
Outprocessing

<http://enrich.european-robotics.eu>



The Armaments and Defence Technology Agency (ADTA) is the centre of excellence at the science and engineering-oriented departments like machine constructions, construction engineering, electrical engineering, safety engineering, power engineering and materials engineering as well as the natural scientific department's physics, chemistry and biology.

SECURITAS PER SCIENTIAM ET TECHNICAM

IMPRESSUM

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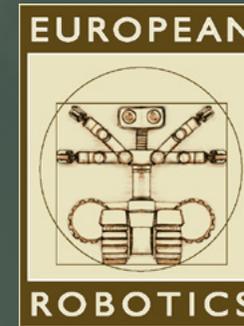
AT/028/048



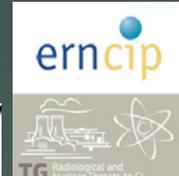
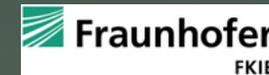
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European Robotics Hackathon

EnRich 2019



ZWENTENDORF
01 - 05 July 2019



AUSTRIAN ARMED FORCES
Armaments and Defence Technology Agency

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UNSER HEER

ENRICH - A new Robotics Competition

Incidents such as Fukushima, Majak or Chernobyl as well as the decommissioning and dismantling of old nuclear facilities [e.g. Sellafield, Asse or Murmansk] have taught us that the use of robotics technology has clear advantages. There are many measurement and sampling tasks too risky for humans to carry out. For these radiological and nuclear [RN] scenarios specialized robot systems have to be developed. However, although there is a strong need for such solutions, for the near future no market-ready systems can be identified. Together with several partners, the European Robotics group decided to transfer the already well-established hackathon idea from the field of software development into the robotics world.

ENRICH 2019 offers three different task categories:

The exploration task is divided into two sub-tasks. First, a digital 3D map of the area of interest has to be built. Second, radiation and its sources should be detected, measured and marked inside a digital map.

The manipulation task is also divided into two sub-tasks. First, identify a specific pipe containing radioactive coolant. Second, close the corresponding valve.

The search and rescue task we will provide dummies spread throughout the building. These have to be found and the positions have to be marked in the map.

Notice:

- By visiting this event you agree the usage of your images
- Use only paved paths
- You have to obey orders given by security staff

