

The new ERL Smart Cities challenge focuses on robots operating within the physical and data infrastructures of modern urban environments. Leveraging the ERL Consumer, ERL Professional and ERL Emergency functionalities, robots will take advantage of the available smart city infrastructure and interact with its citizens by providing professional services and assisting during emergency situations.

15 teams from 8 countries will compete in the challenge, which comprises five episodes. Episodes are organised into three main categories, depending on the task to achieve and the type of robots involved.

The categories are:

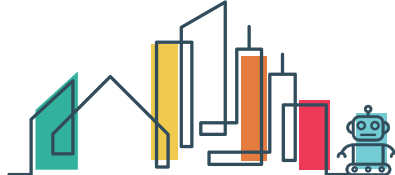
- **Human-Robot Interaction and Mobility**, which focuses on robots able to show social behaviours, such as verbally interacting with (human) customers.
- **Manipulation**, which focuses on robots able to achieve manipulation tasks, applying ERL-Professional services to the smart city context.
- **Emergency**, which defines tasks and challenges addressed by small aerial robots, along the lines of the ERL-Emergency functionalities.

For any further enquiries: info@sciroc.eu

Partners

The European Robotics League (ERL) is the successor to the RoCKIn, euRathlon and EuRoC robotics competitions, and is now run by the SciRoc EU-Horizon 2020 project under the coordination of University of West of England, Bristol. The ERL comprises annual competitions for Consumer, Professional and Emergency Service Robots, and a biennial robotics challenge for Smart Cities.

The European Robotics League - Smart Cities presents



The SciRoc Challenge

(The 1st ERL Smart Cities Robotics Challenge)

18 - 21 September 2019
Milton Keynes, United Kingdom



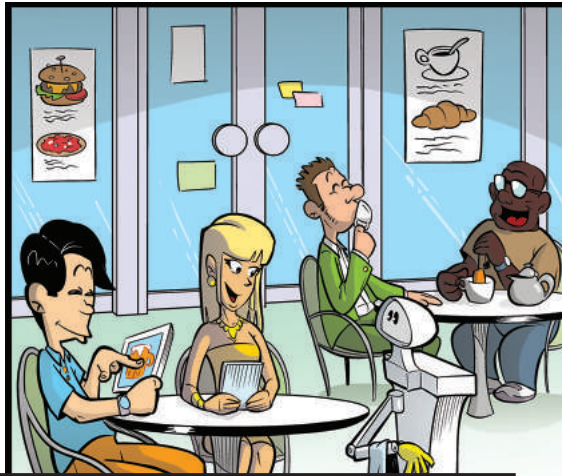
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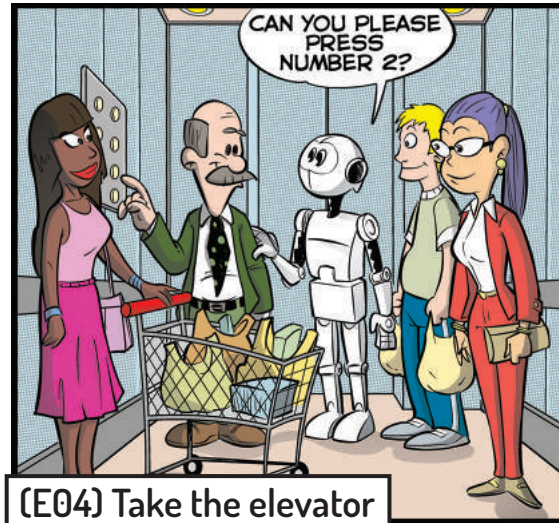
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Episodes in the Competition



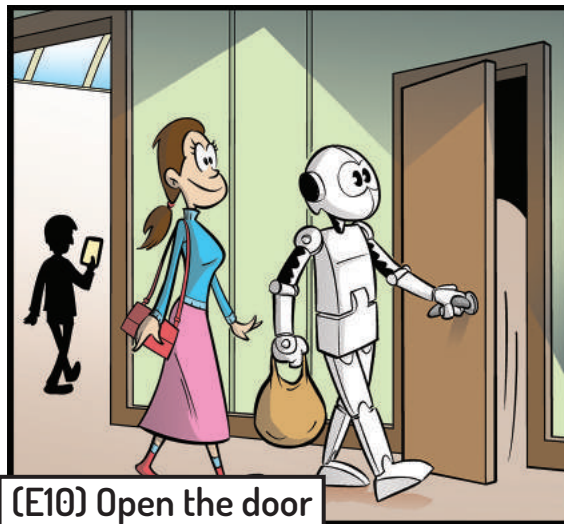
(E03) Deliver coffee shop orders



(E04) Take the elevator



(E07) Serve goodies



(E10) Open the door



(E12) Fast delivery of emergency pills

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