

# ÖFFERA

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European Robotics Forum 2020 in Malaga, Spain

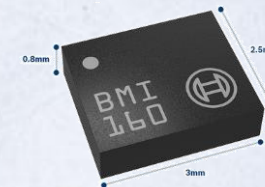
Workshop: Overcoming the boundaries of today's Robotics Software Engineering

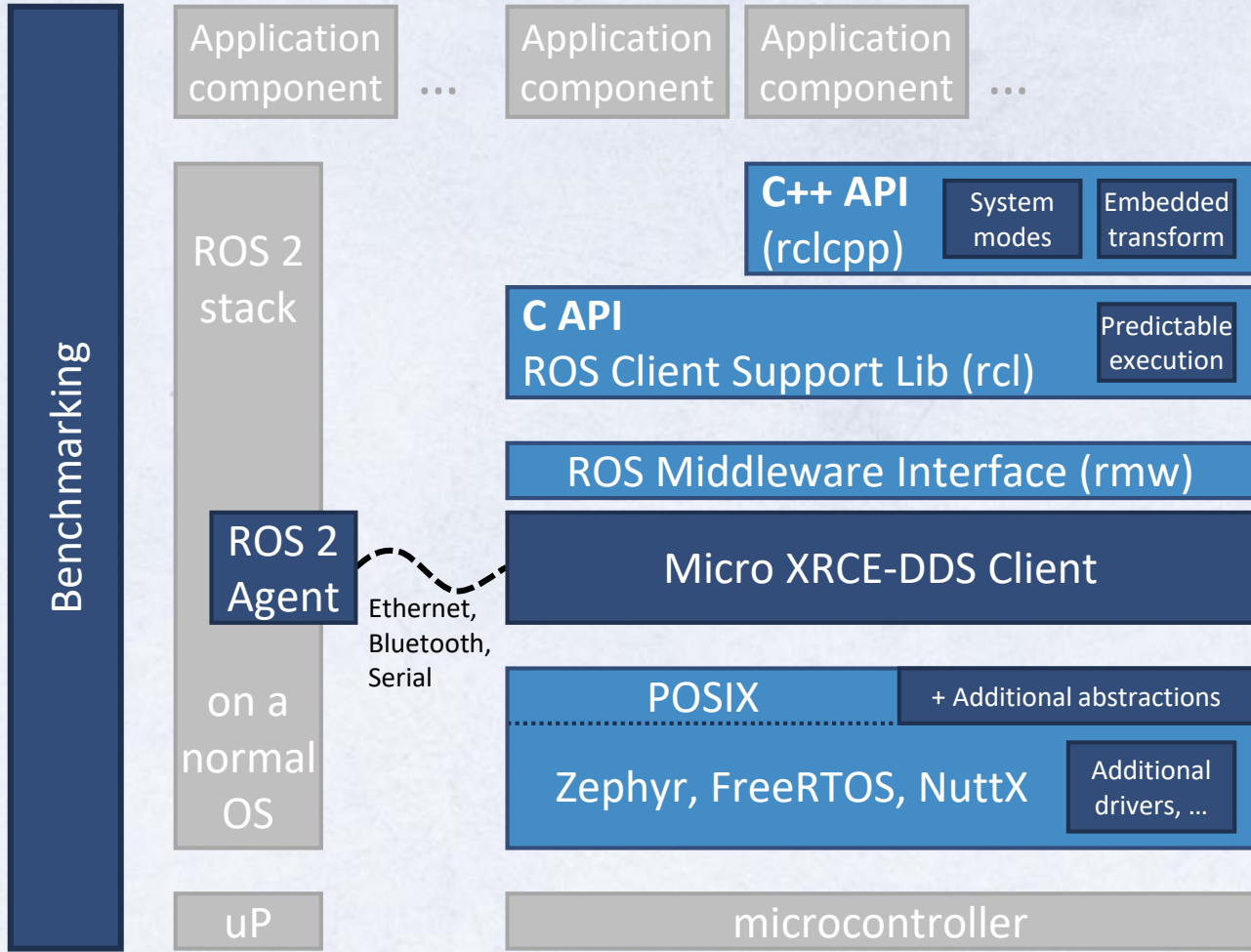


The OFFERA project is funded by the European Union's Horizon 2020 research and innovation programme under grant agreement No 780785

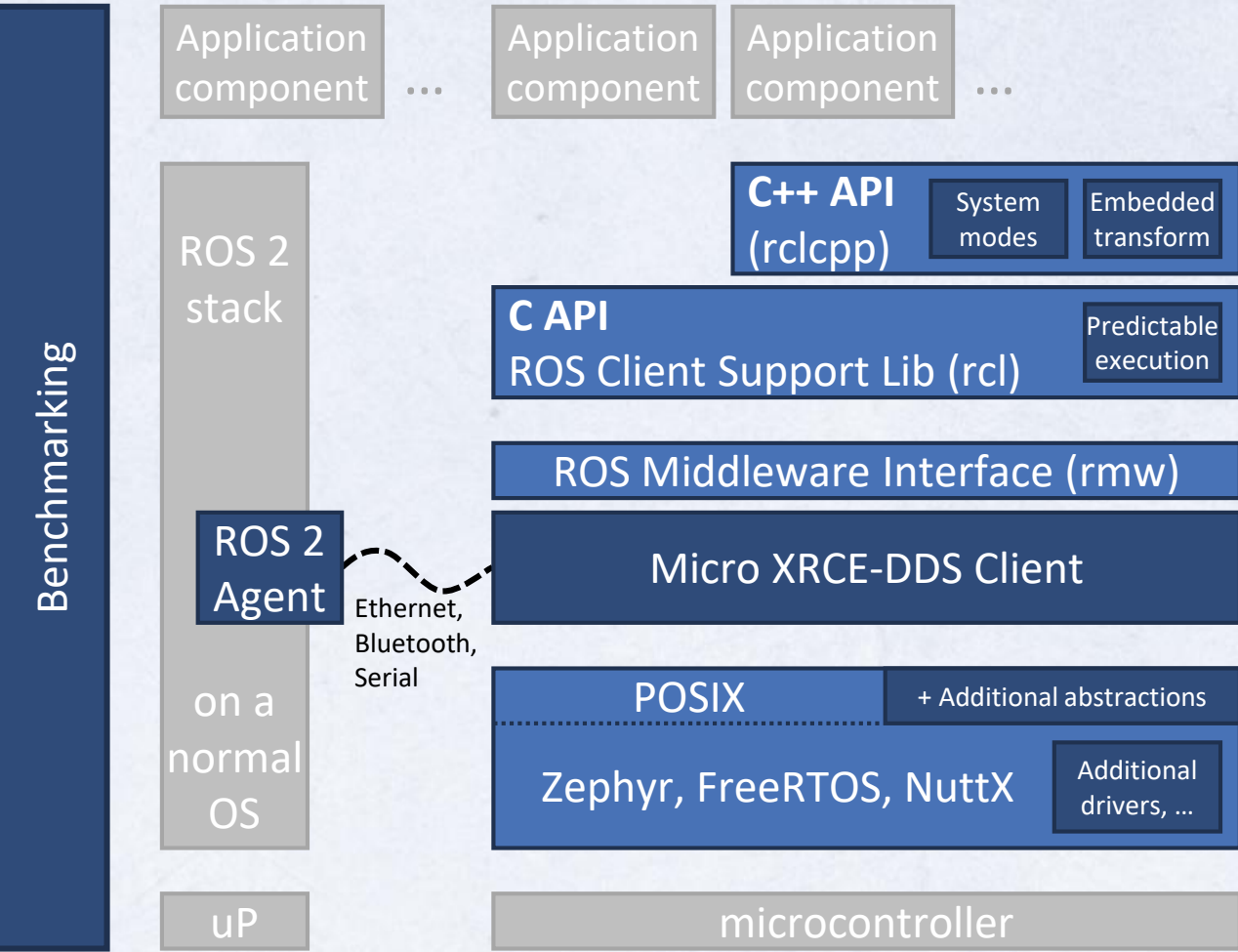
- Microcontrollers (MCUs) are great for sensing and actuation
- Robots are networks of MCUs and larger processors (MPUs)
- Frameworks for MCUs and MPUs are very different

OFERA bridges this gap by  ROS



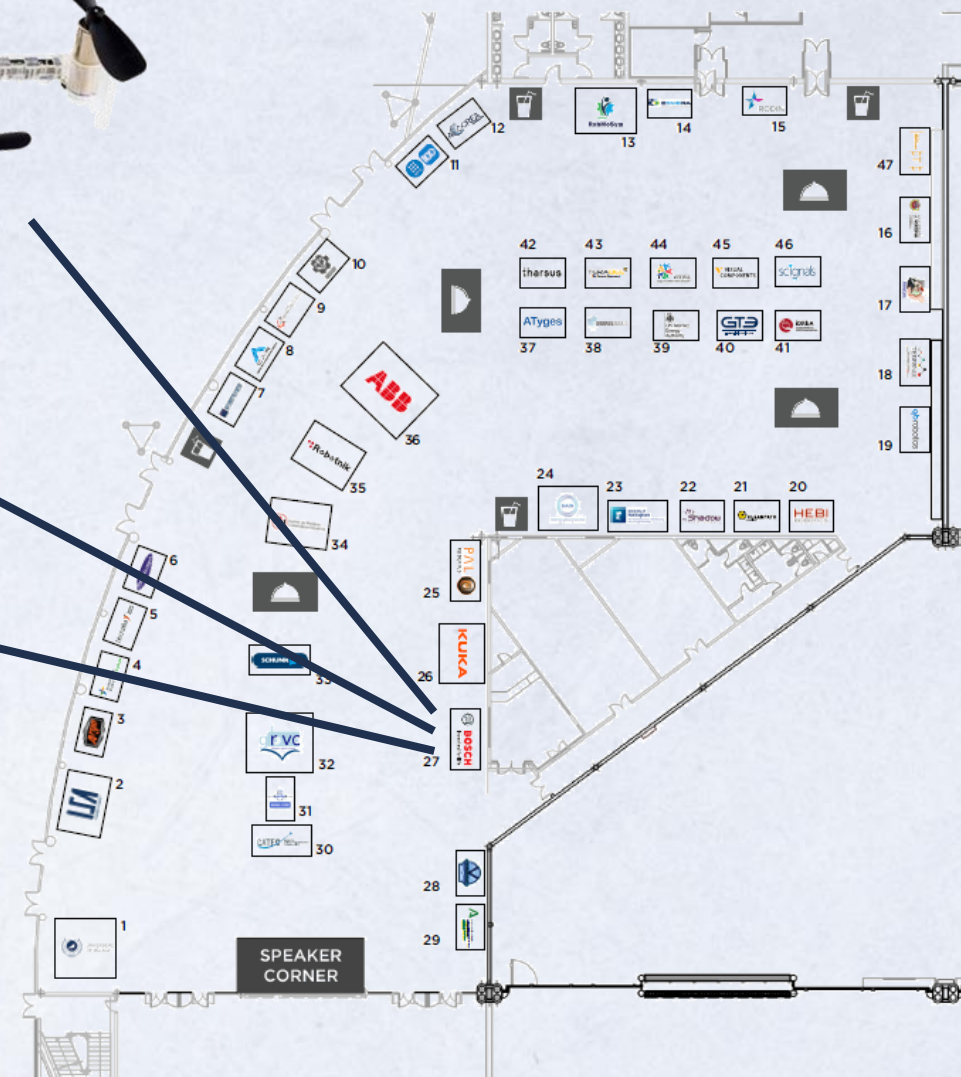
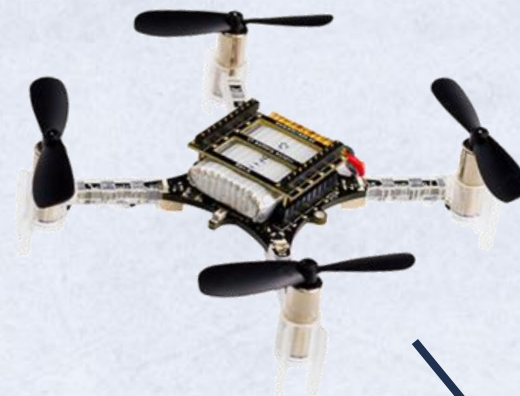




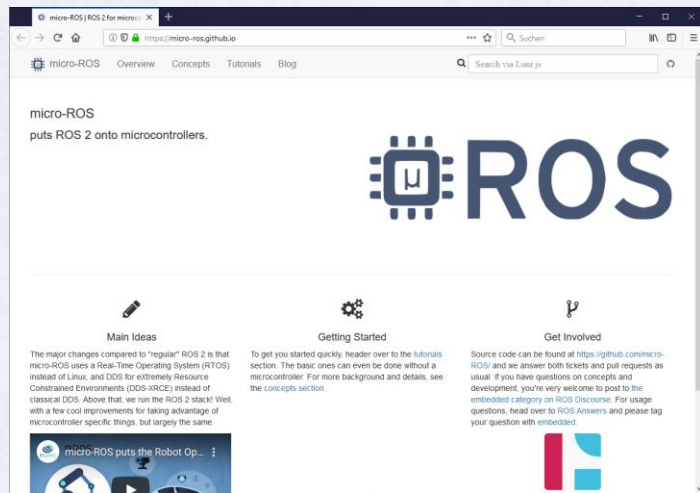


## Updates since last ERF:

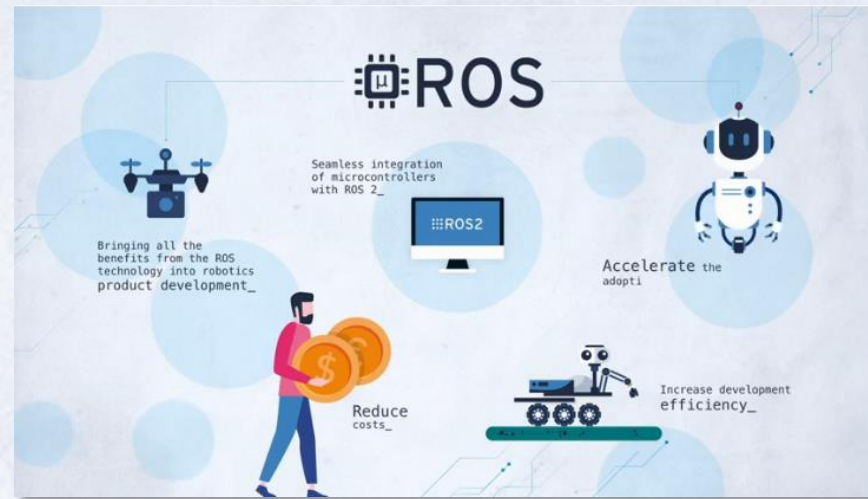
- Two-layered API concept
- Executor with LET semantics
- Build system integrated with colcon
- DDS-XRCE: Services, 6LoWPAN, ...
- Support of FreeRTOS and Zephyr



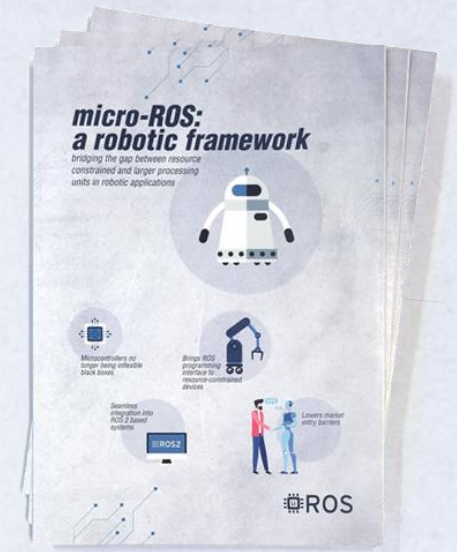




[micro-ros.github.io](https://micro-ros.github.io)



YouTube → micro-ROS



Very classic