**AGENDA**

**EXPERT VISIT 8 – NATIONAL RESEARCH COUNCIL OF ITALY (CNR INM)** (@UoM, 25 – 27 March 2025)

**Meeting venue:** Gepsus room/MONUSEN Lab, University of Montenegro, Faculty of Electrical Engineering, University of Montenegro

**Address:** Cetinjska 2, Podgorica, Montenegro

**SCHEDULE**

Day 1: 25th March 2025 (Tuesday)

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| **Time** | **Description** |
| 10:00 – 11:00 | **The BlueRobotics Framework - General description** by Marco Bibuli  The general features of the BlueRobotics architecture will be presented, highlighting the modules and their interconnections, as well as the protocols where data and commands are shared. The presentation will focus on how to interface with the architecture through custom software modules. |
| 11:00 – 11:15 | BREAK |
| 11:15 – 12:00 | **The BlueRobotics Framework - Hands-on** by Marco Bibuli  Development and deployment of custom modules for interfacing with the BlueRobotics architecture: data gathering from the internal sensors, execution of actuation commands. |
| 12:00 – 12:30 | **Discussion** |

Day 2: 26th March 2025 (Wednesday)

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| **Time** | **Description** |
| 10:00 – 11:00 | **Development Architectures - Tools overview** by Marco Bibuli  This part will focus on the presentation of different programming tools and related architectural modules, that can be used to set-up a custom infrastructure for fast implementation and deployment of software. |
| 11:00 – 11:15 | BREAK |
| 11:15 – 12:00 | **Development Architectures - Hands-on** by Marco Bibuli  A practical experience in the set-up and exploitation of full-stack software development kit, integration with the robotic platforms, customization and best-practice for an efficient work-flow. |
| 12:00 – 12:30 | **Discussion** |

Day 3: 27th March 2025 (Thursday)

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| **Time** | **Description** |
| 10:00 – 11:00 | **Multi-Vehicle Frameworks and Tools - Overview** by Marco Bibuli  This part deals with the presentation of useful tools and the development of custom frameworks to implement multi-vehicle systems, in both local and remote connection fashion. |
| 11:00 – 11:15 | BREAK |
| 11:15 – 12:00 | **Multi-Vehicle Frameworks and Tools - Hands-on** by Marco Bibuli  Experience in set-up and exploitation of tools and frameworks for multi-vehicle systems. |
| 12:00 – 12:30 | **Discussion** |