**AGENDA**

**EXPERT VISIT 7 – NATIONAL RESEARCH COUNCIL OF ITALY (CNR INM)**

(@UoM, 10 - 12 December 2024)

**Meeting venue:** Room 341, Faculty of Electrical Engineering, University of Montenegro

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

**SCHEDULE**

Day 1: 10th December 2024 (Tuesday)

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| **Time** | **Description** |  |
| 14:15 – 15:00 | **Architecture of the Hardware-In-the-Loop simulator** by Massimo Caccia |  |
| 15:00 – 15:15 | BREAK |  |
| 15:15 – 16:00 | **Architecture of the NGC system** by Massimo Caccia |  |

Day 2: 11th December 2024 (Wednesday)

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| **Time** | **Description** |  |
| 08:30 – 09:00 | Coffee Meet & Greet |  |
| 09:00 – 09:45 | **Installation of the HIL simulator** by Massimo Caccia |  |
| 09:45 – 10:30 | **Test of the HIL simulator** by Massimo Caccia |  |
| 10:30 – 10:45 | BREAK |  |
| 10:45 – 11:30 | **Thrust Control Allocation: system architecture and algorithms** by Massimo Caccia |  |
| 11:30 – 12:15 | **Thrust Control Allocation system: installation and test** by Massimo Caccia |  |
| 12:15 – 13:30 | LUNCH BREAK |  |
| 13:30 – 14:15 | **Navigation: system architecture and associated vocabulary** by Massimo Caccia |  |
| 14:15 – 15:00 | **Navigation system: implementation, installation and test** by Massimo Caccia |  |
| 15:00 – 15:15 | BREAK |  |
| 15:15 – 16:00 | **Navigation system: how to implement and integrate new algorithms** by Massimo Caccia |  |
| 16:00 – 16:45 | **Open discussion** moderated by Massimo Caccia |  |

Day 3: 12th December 2024 (Thursday)

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| **Time** | **Description** |  |
| 08:30 – 09:00 | Coffee Meet & Greet |  |
| 09:00 – 09:45 | **Guidance, Autopilot and Control: system architecture and associated vocabulary** by Massimo Caccia |  |
| 09:45 – 10:30 | **Guidance, Autopilot and Control system: implementation, installation and test** by Massimo Caccia |  |
| 10:30 – 10:45 | BREAK |  |
| 10:45 – 11:30 | **Guidance, Autopilot and Control system: how to implement and integrate new algorithms** by Massimo Caccia |  |
| 11:30 – 12:15 | **Open discussion** moderated by Massimo Caccia |  |
| 12:15 – 13:30 | LUNCH BREAK |  |
| 13:30 – 14:15 | **Guidance, Autopilot and Control performance evaluation: test procedures, algorithms and performance indexes** by Massimo Caccia |  |
| 14:15 – 15:00 | **Navigation system monitoring: algorithms and performance indexes** by Massimo Caccia |  |
| 15:00 – 15:15 | BREAK |  |
| 15:15 – 16:00 | **Introducing a new sensor: driver design and implementation** by Massimo Caccia |  |
| 16:00 – 16:45 | **Introducing a new sensor: simulator design and implementation** by Massimo Caccia |  |