



A G E N D A

FIWARE PRACTITIONER'S GUIDE BY EXCELLCITY

*Training, Applying & Advancing Competencies
for Smart Urban Solutions*

09th – 10th December 2025

University of Library Studies and Information Technologies
Sofia, Bulgaria



09th December 2025 (Tuesday)

103 Hall

University of Library Studies and Information Technologies (ULSIT)

Address: 69A, Shipchenski Prohod Blvd., Sofia, Bulgaria

Moderators:

Chief Assist. Prof. Lyubomir Gotsev, PhD

09:00 – 09:15	Registration
09:15 – 09:30	Official Opening of the Seminar “FIWARE IN ACTION <i>Greetings from the Official Academic Authorities of ULSIT</i> <ul style="list-style-type: none">• Prof. Georgi Dimitrov, PhD - Dean of the Faculty of Information Sciences• Prof. Eugenia Kovatcheva, PhD – Manager of ExcellCity Project. <i>Presenting the Guest Lecturers</i> <ul style="list-style-type: none">• Jose Luis Benitez Moreno - FIWARE• Vincent Maurice Demortier - FIWARE• Illari Mikkonen – FIWARE <i>Presenting the Objectives & Agenda of the Seminar</i> <ul style="list-style-type: none">• Prof. Eugenia Kovatcheva – Manager of ExcellCity Project• Chief Assist. Prof. Lyubomir Gotsev, PhD
09:30 – 10:30	Introduction to Practical Guide <i>Purpose, Scope, Principals, Index, Chapters & Dedication, Status. Context Brockers,Docker-compose and CI/CD principles</i> Jose Benitez Ilari Mikkonen
10:30 – 10:45	Coffee Break
10:45 – 12:00	Practical Guide I <i>Presenting Chapters & Workshop Intercommunication with FIWARE GEs: IoTAgents, Scorpio, Draco, and others</i> Jose Benitez Ilari Mikkonen
12:00 – 13:00	Lunch
13:00 – 14:30	Practical Guide II <i>Presenting Chapters & Workshop Deployment of Security layer: Keycloak / APISix. Practical examples for the whole architecture</i> Jose Benitez Ilari Mikkonen
14:30 – 15:00	Coffee Break
15:00 – 16:30	Practical Guide III <i>Presenting Chapters & Workshop Real world examples and Interactions with Robots</i> Illari Mikkonen Vincent Demortier Jose Benitez

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09:00 – 09:30	Registration	
09:30 – 10:30	MCPs and FIWARE <i>Model Context Protocol (MCPs) and their role in FIWARE. Integration patterns and interoperability. Use cases with Google Gemini CLI, GitHub, and FIWARE MCP server. The MCP approach for scalable smart ecosystems.</i>	Jose Benitez Ilari Mikkonen
10:30 – 10:45	Coffee Break	
10:45 – 12:00	No-code/low-code tools with FIWARE <i>Integrating FIWARE with no-code/low-code tools. Google Opal for smart data processing. Workflow automation with N8N connected to FIWARE data</i>	Jose Benitez Ilari Mikkonen
12:00 – 13:00	Lunch Time	
13:00 – 14:30	Robotics & ROS-2 in FIWARE <i>Examples, demos, and emerging capabilities</i>	Vincent Demortier
14:30 – 15:00	Coffee Break	
15:00 – 16:30	Strategic Directions & Initiatives Questions and Answers	Ilari Mikkonen Vincent Demortier Jose Benitez