Seminar

ECU COMPUTER SCIENCE

Inside Agentic AI: Open-Source Tools Powering Real-World Intelligence

Abstract. This talk explores how open source agents are used in real-world GenAI systems. We'll begin with a brief overview of large vs. small models, outlining tradeoffs in performance, cost, and deployment. Next, we introduce the Model Context Protocol (MCP) and Agent-to-Agent (A2A) communication and shared context across tools and models. We'll show how MCP-based agents can coordinate reasoning, retrieval, and tool use in modular, multimodal setups. The talk includes a live demo of a multimodal RAG agent, combining vision, language, and A2A collaboration to solve a real task. We'll also highlight Open Floor, the Linux Foundation's initiative to align open source efforts around GenAI standards and reusable components. This session is for developers, architects, and researchers building practical, open GenAI systems..

Biography. Mr. Ezequiel Lanza is an AI Software Engineer and Evangelist with a passion for making artificial intelligence practical and accessible to developers. As a regular speaker at leading AI and open source conferences, he creates impactful use cases, tutorials, and guides that help teams adopt and deploy open source AI tools effectively. With a strong engineering background and over two decades of experience supporting developers and customers in the software industry, Ezequiel brings a unique blend of technical expertise and real-world perspective. He holds a Master's in Data Science at Universidad Austral in Argentina. Ezequiel was elected as a Board Member and TAC Chair of the Linux Foundation AI & Data, where he helps shape the future of open source AI and foster collaboration across the global ecosystem

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Friday October 3, 2025
Time: 2:00 – 3:00pm

Microsoft Teams
Join the meeting now
Meeting ID: 271 551 874 240 8
Passcode: LQ3sK2Af

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