

## INVITED LECTURE

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### Communicating AI Agents

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**Davor Runje**, Vice President for Agent Systems

Synthpop AI

*Short description:*

AI agents are increasingly pervasive. While they are built on large language models, they often appear more capable than any single model alone. We argue that a primary reason for this effect is effective inter-agent communication. This talk surveys communication patterns in modern agentic frameworks such as AutoGen and analyzes how they support task decomposition, coordination, and verification to address complex problems. We will discuss representative design choices, illustrative case studies, and open challenges relevant to deploying communicating multi-agent systems.

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**More about Davor Runje:**

Davor Runje is a seasoned software engineer, computer scientist and serial entrepreneur. Most recently, he co-founded Airt, an Artificial Intelligence startup building agentic systems, acquired by Synthpop AI in 2025. Prior to that, he co-founded DRAP in 2008, one of the most awarded digital agencies in Croatia, acquired in 2018 by Imago Ogilvy. Back in 1997, he co-founded PlayMedia Systems, the leading provider of AMP MP3 playback technology on the global market, where he invented and led development of several DRM-based and DRM-free systems for digital audio distribution based on the AMP® MP3 decoding engine for clients including DMX Music, STMicroelectronics and Napster.

Davor is a very active member of the open-source community. He is a maintainer of FastStream and FastAgency and a core contributor to AutoGen.