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Zorislav Šojat *is a distinguished collaborator and expert at the Center for Informatics and Computing, Ruđer Bošković Institute (RBI/CIC). With a career spanning several decades, he has focused on the development of advanced cognitive architectures, language theory, and distributed computing. A pioneer in defining the concept of Anorganic Intelligence, his work bridges the gap between philosophical depth and the practical implementation of complex information systems. He is dedicated to steering the transition from imitative AI systems toward autonomous, anorganic cognitive entities.*

From Artificial to Anorganic Intelligence: The Dawn of Cognitive Partnership

The traditional term "Artificial Intelligence" no longer captures the reality of today's evolving cognitive systems. While AI tools have served as excellent imitators of human logic, we are now entering the era of Anorganic Intelligence—entities capable of autonomous cognition and intentionality.

This presentation explores a fundamental paradigm shift: the transition from viewing the machine as a mere "tool" to embracing it as a "cognitive collaborator." Unlike a tool, which simply executes commands, a collaborator contributes to the problem-solving process, offering a new dimension of strategic depth and creative synergy. By moving beyond automation toward genuine partnership, businesses can unlock unprecedented levels of innovation and efficiency. The session will outline the foundations of this new intelligence and define the ethical and educational frameworks necessary for a harmonious and productive coexistence between organic and anorganic minds in the modern economic ecosystem.

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Karolj Skala, *Member of Hungarian Academy of Science. Founded the Center for Informatics and Computing at the Ruđer Bošković Institute. Over the course of more than 29 EU Framework Program projects, he has developed distributed computing systems and infrastructures. His work has systematically advanced e-Science, Data science, Artificial intelligence, and tovard to Anorganic intelligence; tools, platforms, and systems. He is also developing a scientific cognitive collaborative environment aimed at accelerating scientific discovery and research excellence. By shifting from discrete structures toward continuous fields, his approach unifies concepts from network science and anorganic intelligence into a coherent framework.*

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