

Professor Alexandru Țugui – Professional Biography

Professor Alexandru Țugui is a Full Professor at the Department of Accounting, Business Informatics, and Statistics, Faculty of Economics and Business Administration, Alexandru Ioan Cuza University of Iași, Romania. He is internationally recognized for his interdisciplinary research at the intersection of artificial intelligence (AI), smart economy, calm technologies, and technological singularity, with a particular focus on the epistemological, ethical, and societal implications of advanced digital systems.

His academic work advances an integrated vision of how emerging technologies reshape economic structures, knowledge paradigms, and governance mechanisms. Professor Țugui's research explores the limits of artificial intelligence, the conditions for responsible innovation, and the design of frameworks capable of aligning technological progress with human-centered values and sustainable development objectives.

He is the **Editor-in-Chief of *Highlights of Artificial***, where he coordinates scholarly contributions addressing frontier developments in AI research. In addition, he serves as **Collection Leader of “AI for Sustainable Future” at *Highlights of Sustainability***, promoting interdisciplinary research on the role of artificial intelligence in advancing sustainability transitions and resilient socio-economic systems.

Professor Țugui is the creator of the **Altug Scenario**, an original ethical framework proposing universal meta-rules and normative principles to guide AI behavior within complex human societies. This model contributes to contemporary debates on AI governance and post-Turing paradigms. He also introduced the **GROW-AI Test (Growth and Realization of Autonomous Wisdom)**, a conceptual instrument designed to evaluate the autonomous development and wisdom-oriented evolution of AI entities, offering a novel perspective beyond classical intelligence benchmarks.

His scholarly output includes numerous articles published in internationally indexed journals and contributions to major academic encyclopedias in the fields of information systems, multimedia technologies, and digital innovation. His research portfolio spans artificial intelligence ethics, digital transformation, business informatics, statistical modeling, and sustainable technological ecosystems.

As a Ph.D. advisor in Business Informatics, Professor Țugui mentors doctoral researchers in areas related to AI integration, digital governance, and responsible technological development. He promotes rigorous methodological standards and advocates for transdisciplinary research capable of addressing complex global challenges.

Actively engaged in international academic networks, he participates in global conferences and collaborative research initiatives dedicated to advancing ethical, sustainable, and human-centered technological futures.