

Dr. Tuncer Ören

Professor Emeritus of Computer Science (<https://www.site.uottawa.ca/~oren/>)

Dr. Ören is a professor emeritus of computer science at the School of Electrical Engineering and Computer Science of the University of Ottawa, Canada. He has been involved with simulation since 1965. Dr. Ören's Ph.D. is in Systems Engineering from the University of Arizona (Tucson). His basic education is from Galatasaray Lisesi, a high school founded in his native Istanbul in 1481 and in Mechanical Engineering at the Technical University of Istanbul.

His research interests include: (1) advanced methodologies for modeling and simulation, including taxonomies and ontologies, (2) Artificial Intelligence in three categories: (1. Synergies of AI and Simulation, 2. Synergies of AI and Software Engineering, and 3. Other aspects such as Soft Computing, Cybernetics, Intelligent Agents, Holons, Awareness, and Understanding). Detailed list of his over 60 publications and over 160 presentations, in 30 countries, on AI are listed at <https://www.site.uottawa.ca/~oren/pubsList/AI.pdf> . (3) initiated agent-directed simulation to explore full synergy of software agents and modeling and simulation. (4) agents for cognitive and emotive simulations as well as representations of human personality and emotions, (5) reliability, QA, failure avoidance, ethics, (6) terminology, and Turkish.

Dr. Ören has over 600 publications (complete list at <https://www.site.uottawa.ca/~oren/index-pubs/pubs.pdf>) and over 60 books and proceedings published since 1970s (complete list at: <https://www.site.uottawa.ca/~oren/pubsList/books-proceedings.pdf>). One of the last books, edited with the cooperation of two eminent scientists, was published in 2023 as the “Body of Knowledge for Modeling and Simulation” where over 50 scientists from 15 countries contributed <https://link.springer.com/book/10.1007/978-3-031-11085-6>).

During seven decades, Dr. Ören has contributed to over 500 conferences and seminars held in over 30 countries (complete list at: <https://www.site.uottawa.ca/~oren/index-conf/confs.pdf>). He has been a visiting professor in Austria, Brazil, China, France, Italy, Spain, The Netherlands, and Turkey.

Dr. Ören, a fellow of SCS, received numerous awards, honors, and other distinctions, such as SCS Modeling and Simulation Hall of Fame (Lifetime Achievement Award), from Canada, India, Turkey, and the USA, as well as plaques and certificates of appreciation from organizations including ACM, AECL, AFCEA, NATO, some universities, and Turkish General Staff. (List at: <https://www.site.uottawa.ca/~oren/honors.pdf> 1

A book, edited by Prof. L. Yilmaz, “Concepts and Methodologies for Modeling and Simulation: A Tribute to Tuncer Ören” was published in 2015 by Springer with the clarifications: “Serves as a tribute to the pioneering and inspiring work of Dr. Tuncer Ören in the field of modeling and simulation. (<https://link.springer.com/book/10.1007/978-3-319-15096-3>).

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