

Dr Tuncer Ören



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.

Education: Ph.D. in Systems Engineering –minor in mathematics– from the University of Arizona, Tucson, AZ (1971). Basic education from Galatasaray Lisesi, a high school founded in his native Istanbul in 1481 (1955). Master's degree in Mechanical Engineering at the Technical University of Istanbul (1960).

Dr. Ören has over 500 [publications](#) (over 200 in the 2000s) –some translated in Chinese, German and Turkish [and 45 books and proceedings](#). He has contributed to over 500 [conferences and seminars](#) held in [40 countries](#). He has been keynote or invited speaker, or honorary chair in about half of them.

His **research interests** include:

1. [Advancing modeling and simulation methodologies](#), such as declarative modeling, simulation-based predictive displays, multi-models, multi-simulation, generalized [discontinuity](#), as well as systems theories and systems engineering in modeling and simulation; and [synergies](#);
2. [Agent-directed simulation](#), including agent simulation and contributions of agents to simulation, e.g., agent-supported simulation, agent-initiated simulation, and agent-monitored simulation; and [AI and Simulation](#).
3. Agents for [cognitive and emotive simulations](#), including representations of human personality, emotions, emotional intelligence, [understanding](#), sources of misunderstanding, and [conflict](#);
4. [Reliability, quality assurance, failure avoidance, and ethics](#);
5. [Body of knowledge](#) and [taxonomies](#); 6. [Terminology of simulation](#); and 7. [Turkish](#)

- **Awards:**

- **From Canada:** Dr. Ören has been recognized, by IBM Canada, as [a pioneer of computing in Canada](#) (2005).
- **From Turkey:** He received "Information Age Award" from the Turkish Ministry of Culture and an Honor Award from Language Association of Turkey.
- **From USA:** He is an [SCS](#) fellow (2016) and was inducted to SCS Modeling and Simulation Hall of Fame –Lifetime Achievement Award in 2011 and received SCS McLeod Founder's Award for Distinguished Service to the Profession (2017). He had received the Distinguished Service Award and Distinguished Professional Award from the same learned society where he is also a distinguished lecturer.

- **Other [honors and distinctions](#)** include

- [A book](#) by Levent Yilmaz (ed.) (2015). Concepts and Methodologies for Modeling and Simulation: A Tribute to Tuncer Ören. Springer. (at [Springer's site](#)) ([front matter](#): Foreword, Preface, Table of Content). [Some quotations from the book](#).
- Invitations from United Nations, over 20 Who's Who citations, and plaques and certificates of appreciation from organizations including ACM, AFCEA, Atomic Energy of Canada, NATO, SCS, and Turkish General Staff. Dr. Ören has been also the Founding Chair of the Executive Committee of the Chairmen of the Canadian Computer Science Departments.

Additional information:

- *Positions* ([employment](#) history, positions at [SCS](#), at [other](#) organizations, [advising](#) and consulting)
- [Contributions](#) of Dr. Ören to the advancement of modeling and simulation.