

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 in simulation since 1965 and in computer science since 1963.

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 600 [publications](#) –some translated in Chinese, German and Turkish [and 65 books and proceedings](#). He has contributed to over 500 [conferences and seminars](#) held in [40 countries](#). He has been a keynote or an invited speaker, or honorary chair in many 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](#)

[Contributions](#) of Dr. Ören to the advancement of modeling and simulation.

Some of his **Awards**:

- **From Canada:**
 - [Golden Award of Excellence](#) from the International Institute for Advanced Studies in Systems Research and Cybernetics (2018).
 - He has been recognized, by IBM Canada, [a pioneer of computing in Canada](#) (2005).
- **From India:**
 - [Lifetime Achievement Award](#) (Overseas) by International Academic and Research Excellence Awards (IARE-2020), GISR Foundation, India (October 03, 2020). ([Acceptance speech](#))
- **From Turkey:**
 - *Lifetime Service Award* (Yaşam Boyu Hizmet Ödülü) TBD (Türkiye Bilişim Derneği) & TÜBİSAD (Bilişim Sanayicileri Derneği) (2019).
 - *Honor Award* from Language Association of Turkey (2012).
 - *Information Age Award* from the Turkish Ministry of Culture (1991).
- **From USA:**
 - He is an [SCS fellow](#) (2016) and was inducted to *SCS Modeling and Simulation Hall of Fame* –Lifetime Achievement Award (2011).
 - 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.

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.

Additional information:

- *Positions* ([employment](#) history, positions at [SCS](#), at [other](#) organizations, [advising](#) and consulting)