

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 540 [publications](#) (over 200 in the 2000s) –some translated in Chinese, German and Turkish [and 53 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 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](#)

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 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:**
 - Received *SCS McLeod Founder’s Award for Distinguished Service to the Profession* (2017).
 - He is an [SCS fellow](#) (2016).
 - Inducted to *SCS Modeling and Simulation Hall of Fame –Lifetime Achievement Award* (2011).
 - 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 also been 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.