

## CURRICULUM VITAE

### JOHN N. TSITSIKLIS

M.I.T., Room 32-D784  
77 Massachusetts Avenue  
Cambridge, MA 02139-4307, USA

Tel: +1-617-253-6175  
email: jnt@mit.edu  
<http://web.mit.edu/jnt/www/home.html>

#### EDUCATION

**Massachusetts Institute of Technology**, Cambridge, MA.

Ph.D. in Electrical Engineering, November 1984 (defended August 1983).

M.Sc. in Electrical Engineering and Computer Science, February 1981.

B.Sc. in Electrical Engineering, February 1980.

B.Sc. in Mathematics, February 1980.

#### EMPLOYMENT

**Massachusetts Institute of Technology**, Cambridge, MA.

Director, Laboratory for Information and Decision Systems, 2017-2020.

Co-associate director, Laboratory for Information and Decision Systems, 2008–2013.

Clarence J Lebel Professor of Electrical Engineering, 2007 to the present.

Professor, Dept. of Electrical Engineering and Computer Science, 1994 –2007.

Co-director, Operations Research Center, 2002–2005.

Acting co-director, Laboratory for Information and Decision Systems, spring 1996 and 1997.

Associate Professor, Dept. of Electrical Engineering and Computer Science, 1988–1994.

Assistant Professor, Dept. of Electrical Engineering and Computer Science, 1984–1988.

**Stanford University**, Stanford, CA.

Acting Assistant Professor of Electrical Engineering, 1983–1984.

#### RESEARCH INTERESTS

Systems, stochastic modeling, inference, optimization, and control. Areas of emphasis include communication networks, distributed decision making, decentralized detection, network science, parallel computation, computational complexity in systems and control theory, and large scale dynamic programming.

#### HONOURS AND AWARDS

- Honorary doctorate, Harokopio University, Athens, Greece (2019)
- IEEE Control Systems Award (2018)
- INFORMS John von Neumann Theory Prize (2018)
- MIT School of Engineering, Ruth and Joel Spira Award for Distinguished Teaching (2018)
- Honorary doctorate, Athens University of Economics and Business, Greece (2018)
- INFORMS Saul Gass Expository Writing Award (2017)
- (Greek) National HELORS (Hellenic Operational Research Society) Award, Greece (2017).
- ACM SIGMETRICS Achievement Award (2016).
- MIT, Dept. of EECS, Louis D. Smullin Award for Teaching Excellence (2015).
- ACM Sigmetrics Best Paper Award (2013).
- INFORMS Computing Society Prize (2012).
- Doctor honoris causa, Université catholique de Louvain, Belgium (2008).
- Fellow of INFORMS (2007).
- National Academy of Engineering (2007). (For contributions to the theory and application of optimization in dynamic and distributed systems.)
- Fellow of the IEEE (1999). (For contributions to theory of control and computation in large-scale systems.)
- INFORMS Computer Science Technical Section prize for book on “Neuro-Dynamic Programming” (1997).
- Bodossakis Foundation Prize in the field of Sciences of Information Processing Systems & Methods (1994). (given to scientists of Hellenic descent under the age of forty).
- MIT Edgerton Faculty Achievement Award (1989).
- Outstanding Paper Award by the IEEE Control Systems Society (1986).
- NSF Presidential Young Investigator (1986).
- IBM Faculty Development Award (1983).
- MIT Guillemin 2nd award for undergraduate Electrical Engineering Thesis (1980).

## PROFESSIONAL ACTIVITIES

- Chair of the Council of the Harokopio University, Greece (2013-2016).
- Informatics Sectoral Research Council (ΤΕΣ), Greece (2011-2013).
- Member of the National Council for Research and Technology (ΕΣΕΤ) of Greece, (2005–2007).
- Member of INFORMS, IEEE
- Editorial Board, *Foundations and Trends in Optimization* (2012-present).
- Associate Editor, *Stochastic Systems* (2011-present).
- Editorial Board, Springer-Verlag Lecture Notes in Control and Information Sciences (2001–present).
- Associate Editor, *Mathematics of Operations Research* (2002–2007).
- Editorial Board, *Applied Mathematics Letters* (1987–2000).
- Associate Editor, *Automatica* (1992–1994).
- Associate Editor, *IEEE Transactions on Automatic Control* (1990–1991).
- Program committee for several conferences.

## INDUSTRIAL AND CONSULTING ACTIVITIES

- Salary.com, 2008.
- OPAP, AE, Athens, Greece, 2004-2005.
- Scientific Systems Co., Inc., Woburn, MA, 2003-2004.
- Thunder Bay Capital Management, New York, NY, 2003.
- Enuvis, Inc., South San Francisco, CA, cofounder and chief-scientist, 2000–2001.
- Alphatech, Inc., Burlington, MA, 1995–2002.
- Unica Technologies, Inc., Lincoln, MA, 1996–1997.
- Moldyn, Inc., Cambridge, MA, 1994–95.
- Corion, Inc., Holliston, MA, 1991.
- Co-inventor in 7 U.S. patents.

## INVITED TALKS

Invited talks and seminars at several universities, companies, and workshops.

In addition, plenary talks at:

- ACM Sigmetrics, Antibes, France, 2016.
- INFORMS Applied Probability Society Conference, Istanbul, Turkey, 2015.
- 28th Hellenic Statistics Conference, Athens, Greece, 2015.
- 19th Mediterranean Conference on Control and Automation, Corfu, Greece, June 2011.
- INFORMS Annual Meeting, Applied Probability Society, Markov Lecture, October 2009.
- 2009 Information Theory Workshop on Networking and Information Theory, Volos, Greece, June 2009.
- ICST Valuetools, Athens, Greece, October 2008.
- 45th Allerton Conference on Communication, Control, and Computing, Monticello, Illinois, 2007.
- Cognitive Systems with Interactive Sensors (COGIS 2006), Paris, France, March 2006.
- 14th Int. Symp. of Math. Theory of Networks and Systems (MTNS), Perpignan, France, June 2000.
- 31st IEEE Conference on Decision and Control, Tucson, Arizona, December 1992.
- 2nd ORSA Telecommunications Conference, Boca Raton, Florida, March 1992.
- IFAC/IMACS International Symposium on Distributed Intelligence Systems, Varna, Bulgaria, June 1988.

## GRADUATE THESES SUPERVISED

Masters: 37

Doctoral: 35 completed, 1 in progress

Doctoral thesis reader: 123.

## PUBLICATIONS

Over 160 papers published in refereed journals, and four books (over 44,000 citations per Google Scholar):

- D.P. Bertsekas and J.N. Tsitsiklis, *Parallel and Distributed Computation: Numerical Methods*, Prentice Hall, 1989; republished by Athena Scientific, 1997.
- D. P. Bertsekas and J. N. Tsitsiklis, *Neuro-Dynamic Programming*, Athena Scientific, 1996.
- D. Bertsimas and J. N. Tsitsiklis, *Introduction to Linear Optimization*, Athena Scientific, 1997.
- D. P. Bertsekas and J. N. Tsitsiklis, *Introduction to Probability*, Athena Scientific, 2002; 2nd edition, 2008 (translated into Greek and Chinese).