

# CURRICULUM VITAE

## THEMISTOKLIS T. RAPSOMANIKIS

[Name] **Last** RAPSOMANIKIS, **First** THEMISTOKLIS, **Middle** THEODORE;

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**Phone** +30 210 8086409, **Email** [themistoklis.1682.rapsomanikis@runbox.com](mailto:themistoklis.1682.rapsomanikis@runbox.com);

[Occupation] Independent Electrical Engineering Researcher;

[Gender] Male;

[Vital Statistics] **Born** Athens, Greece, **Birthdate** October 24, 1967;

[Parents] **Father** THEODORE RAPSOMANIKIS, **Mother** EVANGELIA RAPSOMANIKI;

[Marriage] Unmarried;

[Military] Hellenic Air Force, 1996–98;

[Education] **Pre-University** Lycée Léonin Franco-Hellénique Néa Smyrni, 1985, **French Studies** Sorbonne 2ème Degré, option Economie-Démographie/Géographie, 1985, **BS/MS** National Technical University of Athens, School of Electrical and Computer Engineering, 1994, **Ph.D.** High Speed Networks Area, Division of Communication, Electronic and Information Engineering, School of ECE, NTUA, 2003;

[Professional Certification] Licensed Electrical Engineer, Technical Chamber of Greece, 1994;

[Professional Membership] Member: Communications, Computer, Control Systems, and Systems, Man, and Cybernetics Societies of Institute of Electrical and Electronics Engineers (IEEE), 1995–2010, Technical Chamber of Greece, 1994–2016;

[Career]

**1.** 1995–96, 1998–99: Research Associate, Telecommunications Laboratory, National Technical University of Athens.

**2.** 1999–: Independent research work on the problem of efficient transfer of real-time traffic over multi-service packet switching networks. I suggested a new theoretical and technological viewpoint, that of the autonomously and adaptively controlled systems.

Work is ongoing in new, crossdisciplinary, experience-driven research directions, extensions and ramifications.

[Career-related] Reviewer: IEEE Transactions on Circuits and Systems for Video Technology, 1999, IEEE/ACM Transactions on Networking, 2001;

[Writings and creative works]

**1.** Th. Rapsomanikis. Live video scheduling in differentiated services Internet. In Jon Crowcroft, James

Roberts, Mikhail I. Smirnov editors, *Lecture Notes in Computer Science, Vol. 1922, Quality of Future Internet Services, COST 263 International Workshop, Berlin, September 2000, Proceedings*, pages 324-335, Springer-Verlag, 2000.

**2.** Th. Rapsomanikis. RABR: A service based on adaptive rate guarantees for real-time video in ABR networks. In *Proceedings of IEEE Symposium on Adaptive Systems for Signal Processing, Communications, and Control*, Lake Louise, October 2000.

**3.** Th. Rapsomanikis. *Real-Time Differentiated Service System And Method*, National Patent Application No. 20000100320, September 2000.

**4.** Th. Rapsomanikis. *Real-Time Traffic Transfer In Multi-Service Communication Networks System And Method*, National Patent No. 1003768, January 2002.

**5.** Th. Rapsomanikis. *Real-Time Traffic Transfer In Multi-Service Communication Networks System And Method*, PCT International Patent Application No. PCT/GR01/00035, International Publication No. WO 02/25988, March 2002.

**6.** Th. Rapsomanikis. Civilian Bioelectromagnetic Countermeasures: From External Shielding Apparatus to Intrinsic Bioenergy. Accepted for publication in *Proceedings of International Conference on Engineering and Meta-Engineering*, Orlando, April 2010.

**7.** Th. Rapsomanikis. *Differentiated Real-Time Service In Multi-Service Communication Networks System And Method*, National Patent No. 1008489, May 2015.

[Recognitions] Biographee: Marquis Who's Who in Science and Engineering, 2003/04–2011/12, Marquis Who's Who in the World, 2006–2011, Marquis Who's Who in America, 2009–2010; IEEE Communications Society Certificate of Appreciation, 2004;

[Achievements] First to a new autonomous, adaptive systems paradigm providing quantitative QoS guarantees while maximizing resource efficiency for scalable, multi-service packet communication networks under generic network environmental conditions, including protocol, topology and traffic;