

CURRICULUM VITAE

GEORGE P. PAPAVALASSILOPOULOS

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George P. Papavassilopoulos graduated from the Varvakeion High School of Athens in 1970, received the Diploma in Mechanical and Electrical Engineering from the National Technical University of Athens in 1975 and the MSc and PhD degrees in Electrical Engineering from the University of Illinois at Urbana Champaign in 1977 and 1979 respectively. He was a Research Assistant, at the Coordinated Science Laboratory, during the period September 1975 - August 1979. In 1979 he joined the Dept. of Electrical Engineering-Systems of the University of Southern California as an Assistant Professor and was later promoted to Associate and Full Professor with tenure. In 2000 he joined the Dept. of Electrical and Computer Engineering of the National Technical University of Athens as Full Professor where he is also the director of the Control and Decision Laboratory.

Research Interests

His basic areas of interest are Controls, Optimization, and Dynamic Games. A considerable part of his research is in the area of Dynamic Stochastic Games. He has also conducted research in Decentralized Adaptive Control, Robotics, Optimization Algorithms, Target Interception, Jamming, Stochastic Learning Automata, Linear Complementarity Problems and Bilinear Matrix Inequalities for Robust Control, Computational Complexity, Markovian Learning, Parallel Algorithms for Nonconvex Problems, Genetic Algorithms, and Nonlinear Filtering. He is also interested in applications to Biomedical Engineering, Economics, Organizational Structures, Energy and Telecommunication Policy, and Environmental Problems. His research has been supported by NSF, AFOSR, Greek and EU grants.

Educational Record

Ph.D.: (Electrical Engineering), 1979, Univ. of Illinois at Urbana-Champaign, Illinois.

M.Sc.: (Electrical Engineering), 1977, Univ. of Illinois at Urbana-Champaign, Illinois.

Diploma: (Electrical and Mechanical Engineering), 1975, National Technical University of Athens, Greece.

High School Diploma: 1970; Varvakion High School; Athens, Greece

Elementary School: 1964; 53rd Elementary School of Athens; Athens, Greece

Theses

1. "Single Sideband Hybrid Modulation", Diploma Thesis, Department of Electrical and Mechanical Engineering, National Technical University of Athens, 1975, Advisor: Prof. E.N.Protonotarios.

2. "Algorithms for a Class of Nondifferentiable Problems", M.Sc. Thesis, Department of Electrical Engineering, University of Illinois at Urbana-Champaign, July 1977, Advisor: Prof. D.P.Bertsekas.

3. "Leader-Follower and Nash Strategies with State Information," Ph.D. Thesis, Department of Electrical Engineering, University of Illinois at Urbana-Champaign, July 1979, Advisor: Prof. J.B.Cruz,Jr.

Languages Spoken

Greek, English (fluently), French (well), German (elementary), Russian (elementary)

Awards, Honors

- Honorary Diplomas from the Greek Ministry of Education and the Mayor of Athens, for excellence in studies during the high school years
- Scholarships from the Greek Ministry of Education for Academic Excellence for four years, during studies in the National Technical University of Athens.
- JPL/NASA ,Recognition Awards,1994,1997.
- JPL/NASA,Recognition and Monetary Award,2002

Technical Affiliations

- Senior Member of IEEE (since April 1988)
- Member of the Technical Chamber of Greece

Associate Editor

- Associate Editor of JOTA (Journal of Optimization Theory and Applications), March 1992-2002.

Invited Visits

1. Visiting Research Fellow, 1/82 - 7/82, Department of Mathematics, Twente University, the Netherlands.
2. Visiting Scientist, 5/83 - 6/83, Ecole des Hautes Etudes Commerciales, Universite de Montreal, Canada.
3. Visiting Professor, 1/86 - 2/86, INRIA, Centre de Sophia Antipolis, France.
4. Visiting Professor, 3/86 - 6/86, Delft Univ. of Technology, Dept. of Mathematics and Informatics, Delft, the Netherlands.
5. Visiting Professor, 9/1/86 - 10/31/86, CNR-IASI, Rome, Italy.
6. Visiting Professor, 11/1/86 - 12/31/86, National Technical University, Athens, Greece.
7. Visiting Professor, 5/1/88 - 6/15/88, Dept. of Mathematics, Univ. of Napoli, Italy.
8. Visiting Professor, Summer 1995, Summer 1997, Jet Propulsion Laboratory, Pasadena, CA.
9. Visiting Professor, August/September 2011, Short Course on Stochastic Control and Optimization, Aalto University, Helsinki, Finland.
10. Visiting Professor, July 2012, . Ecole Normal Supérieure de Cachan, France.

Invited Talks

1. Dept. of Mathematics, Twente University, The Netherlands, February 1982.
2. Dept. of Mathematics, Eindhoven University, The Netherlands, April 1982.
3. Control and Management Systems Division, Cambridge University, England, May 1982.
4. Institute of Advanced Studies, Vienna, Austria, June 1982.

5. Institute for Econometrics and Operations Research, Technical University of Vienna, Austria, June 1982.
6. Ecole des Hautes Etudes Commerciales, Université de Montréal, Canada, May 1983.
7. Dept. of Electrical Engineering, University of Toronto, Canada, June 1983.
8. Dept. of Electrical Engineering, University of California at Santa Barbara, November 1985.
9. Dept. of Mathematics, Katholieke Universiteit, Nijmegen, The Netherlands, Game Theory Day 4 (Topics in Adaptive Games), June 1986.
10. CNR-IASI, Rome, Italy, October 1986; "The Interplay of Risk Attitudes of Two Competing Decision Makers."
11. National Technical University, Athens, Greece, November-December 1986; a series of six talks on current topics in Dynamic Game Theory.
12. Dept. of Mathematics, University of Napoli, Italy, May-June 1988; a series of six talks on current topics in Control and Game Theory.
13. Dept. of Electrical Engineering, CATT Polytechnic University, Brooklyn, New York, "Algorithms for Nash and Stackelberg Games with Applications to Network Routing," November 1988.
14. Dept. of Mathematics, University of Southern California, "Parallel Asynchronous Algorithms with Stochastic Communication Delays," February 1992.
15. Jet Propulsion Laboratory, "Parallel Algorithms, Nonconvex Problems," October 7, 1993.
16. Dept. of Mechanical Engineering, University of Southern California, "On the Probability of Existence of Pure Equilibria in Matrix Games," November 1995.
17. Dept. of Economics, University of Southern California, "Learning in Repeated Nash Games," March 1997.
18. University of Economics, Athens, Greece, Fall 1998: A series of seminars on Game Theory and Dynamic Programming.
19. University of Patras, Greece, Fall 2009, Talk on Applications of Control and Biomedical Engineering.
20. City University, London, England, July 2010, A Series of Talks on Game Theory and Applications.
21. Ecole Normale Supérieure de Cachan, Cachan, Paris, France. June/July 2011, Talk on Game Theory and Liberalized Energy Markets.
22. "GAMES: Summary Presentation", WSO2, Colombo, Sri Lanka, 09/08/2016