

CURRICULUM VITAE

Name and Rank: Kiriakos Kiriakidis, Professor

Total Years at USNA: 12+

Date of Rank: August 16, 2007

1. EDUCATION

Polytechnic Institute of NYU, Brooklyn, New York

Doctor of Philosophy, Mechanical Engineering, May 1996

Master of Science, Mechanical Engineering, January 1993

National Technical University of Athens, Athens, Greece

Diploma (five-year degree), Mechanical Engineering, October 1990

2. EMPLOYMENT

United States Naval Academy, Department of Weapons and Systems Engineering

Professor (August 2007–present)

Associate Professor (August 2001–2007)

Assistant Professor (August 1996–August 2001)

Polytechnic Institute of NYU, Department of Mechanical Engineering

Instructor (January 1995–May 1996)

Senior Graduate Assistant (September 1994–December 1994)

Research Fellow (June 1993–August 1994)

Teaching Fellow (September 1991–May 1993)

Other

Graduate Assistant, Syracuse University, Dept. of Mechanical Engr. (Spring 1991)

Intern, Paul Wurth S.A., Luxembourg (Summer 1990)

Intern, Asnæs Power Plant, Kalundborg, Denmark (Summer 1989)

Intern, Semaf Co., Helwan, Egypt (Summer 1988)

3. SCHOLARSHIP AND SCHOLARLY ACTIVITY

a. Peer-reviewed Journals

[JRN 10] K. Kiriakidis, “Nonlinear Modeling by Interpolation Between Linear Dynamics and its Application in Control”, *Transactions of the ASME, Journal of Dynamic Systems, Measurement, and Control*, vol. 129, November 2007, pp. 813–824.

Acceptance: 15%, Contribution: 100% (for significance see Personal Statement)

[JRN 9] R.T. O’Brien, Jr. and K. Kiriakidis, “Single-Snapshot Robust Direction Finding”, *IEEE Transactions on Signal Processing*, vol. 53, no. 6, pp. 1964–1978, 2005.

Times cited¹: 1, Acceptance: 35%, Contribution: 50% (for specifics and significance see Personal Statement)

[JRN 8] D. Gordon and K. Kiriakidis, “Reconfigurable Robot Teams: Modeling and Supervisory Control,” *IEEE Transactions on Control Systems Technology*, vol. 12, no. 5, pp. 763–769, 2004.

Times cited: 1, Acceptance: 35%, Contribution: 50% (for specifics and significance see Personal Statement)

[JRN 7] K. Kiriakidis, “Robust Stabilization of the Takagi-Sugeno fuzzy model via Bilinear Matrix Inequalities”, *IEEE Transactions on Fuzzy Systems*, vol. 9, no. 2, pp. 269–277, 2001.

Times cited: 18, Acceptance: 22%, Contribution: 100% (for significance see Personal Statement)

[JRN 6] K. Kiriakidis, “Nonlinear control system design via fuzzy modeling and LMIs”, *International Journal of Control*, vol. 72, no. 7, pp. 676–685, 1999.

Times cited: 14

[JRN 5] K. Kiriakidis, A. Tzes, A. Grivas and P.-Y. Peng, “Modeling and Fuzzy Logic-based Sliding Control of Gaseous Systems”, *IEEE Transactions on Control Systems Technology*, vol. 7, no. 1, pp. 42–55, 1999.

Times cited: 2

[JRN 4] K. Kiriakidis, “Fuzzy model based control of complex plants”, *IEEE Transactions on Fuzzy Systems*, vol. 6, no. 4, pp. 517–529, 1998.

Times cited: 23

[JRN 3] K. Kiriakidis, A. Grivas and A. Tzes, “Quadratic Stability Analysis of the Takagi-Sugeno Fuzzy Model”, *Fuzzy Sets and Systems*, vol. 98, no. 1, pp. 1–17, 1998.

Times cited: 15

[JRN 2] A. Tzes and K. Kiriakidis, “A hybrid frequency-time domain adaptive fuzzy control scheme for flexible link manipulators”, *Journal of Intelligent and Robotic Systems*, vol. 7,

¹The citation database used throughout is the Science Citation Index Expanded (SCI-EXPANDED)

no. 10, pp. 283–300, 1994.

[JRN 1] N. J. Krikelis and K. Kiriakidis, “On the optimal feedback control of nonlinear systems”, *International Journal of Systems Science*, vol. 23, no. 12, pp. 2141–2153, 1992.

Times cited: 7

b. Peer-reviewed Proceedings as Edited Books

[PEB 1] K. Kiriakidis and D. Gordon-Spears, “Formal modeling and supervisory control of reconfigurable robot teams”, In M. G. Hinchey et al. (Eds.), *Lecture Notes in Artificial Intelligence (Subseries of Lecture Notes in Computer Science): Vol. 2699, Second International Workshop, Formal Approaches to Agent Based Systems* (pp. 92–102), Heidelberg: Springer-Verlag, 2003.

Times cited: 1

[PEB 2] K. Kiriakidis and D. Gordon, “Adaptive Supervisory Control of Multi-agent Systems”, In J. L. Rash et al. (Eds.), *Lecture Notes in Computer Science (Subseries of Lecture Notes in Computer Science): Vol. 1871, First International Workshop, Formal Approaches to Agent Based Systems* (pp. 304–305), Heidelberg: Springer-Verlag, 2001.

Times cited: 1

c. Peer-reviewed Proceedings

[CNF 41] K. Kiriakidis, J.W. Nicholson, M. Hock, and K. Lee, “Particle Filtering with Optimal Measurement Selection.” In *Proceedings of the 8th IMA International Conference on Mathematical Signal Processing*, Cirencester, UK, December 2008 (to appear).

[CNF 40] K. Kiriakidis and G. Nakos, “Algebraic Criteria for Qualitative Analysis of Nonlinear Dynamics in Biochemistry” In *Proceedings of the ASME Dynamic Systems and Control Conference*, Ann Arbor, Michigan, October 2008 (to appear).

[CNF 39] K. Kiriakidis, M. Feemster, and R.T. O’Brien, Jr., “Nonlinear State Estimation Using Aggregate Modeling.” In *Proceedings of the ASME International Mechanical Engineering Congress and Exposition*, Seattle, Washington, November 2007, CD-ROM.

[CNF 38] K. Kiriakidis and R.T. O’Brien, Jr., “Estimation of Plasma Insulin using Nonlinear Filtering.” In *Proceedings of the ASME International Mechanical Engineering Congress and Exposition*, Seattle, Washington, November 2007, CD-ROM.

[CNF 37] K. Kiriakidis and R.T. O’Brien, Jr., “Source Detection by Model-Order Selection in State Space.” In *Proceedings of the 15th International Conference on Digital Signal Process-*

ing, Cardiff, Wales, UK, July 2007, CD-ROM.

[CNF 36] K. Kiriakidis, M. Feemster, and R.T. O'Brien, Jr., "Stabilization of the rotary inverted pendulum using aggregate modeling." In *Proceedings of the ASME International Mechanical Engineering Congress and Exposition*, Chicago, Illinois, November 2006, CD-ROM.

Acceptance: 65%

[CNF 35] K. Kiriakidis and R.T. O'Brien, Jr., "Optimal estimation of blood insulin from blood glucose." In *Proceedings of the ASME International Mechanical Engineering Congress and Exposition*, Chicago, Illinois, November 2006, CD-ROM.

Acceptance: 65%

[CNF 34] R.T. O'Brien, Jr. and K. Kiriakidis, "A Comparison of \mathcal{H}_∞ with Kalman Filtering in Vehicle State and Parameter Identification," In *Proceedings of the American Control Conference*, Minneapolis, MN, June 2006, pp. 3954-3959.

Acceptance: 57%

[CNF 33] K. Kiriakidis, "Mixed mathematical and physical modeling for nonlinear systems." In *Proceedings of the ASME International Mechanical Engineering Congress and Exposition*, Orlando, Florida, November 2005, CD-ROM.

Acceptance: 65%

[CNF 32] K. Kiriakidis and R.T. O'Brien, Jr., "A comparison of H-infinity with Kalman filtering in parameter identification." In *Proceedings of the ASME International Mechanical Engineering Congress and Exposition*, Orlando, Florida, November 2005, CD-ROM.

Acceptance: 65%

[CNF 31] K. Kiriakidis and R.T. O'Brien, Jr., "On \mathcal{H}_∞ -based direction finding and source detection", *Proceedings of the 13th European Signal Processing Conference*, Antalya, Turkey, September 2005, CD-ROM.

Acceptance: 73%

[CNF 30] K. Kiriakidis and R.T. O'Brien, Jr. " \mathcal{H}_∞ based identification of stiffness in the presence of uncertainty," In *Proceedings of the ASME International Mechanical Engineering Congress and Exposition*, Anaheim, CA, November 2004, CD-ROM.

Acceptance: 65%

[CNF 29] K. Kiriakidis and R.T. O'Brien, Jr., " \mathcal{H}_∞ filtering parameter estimation for state-space systems," In *Proceedings of the American Control Conference*, Boston, MA, June 2004, pp. 2836-2839.

Acceptance: 57%

[CNF 28] R.T. O'Brien, Jr. and K. Kiriakidis, "Reduced-order \mathcal{H}_∞ filtering for discrete-time,

linear, time-varying systems,” In *Proceedings of the American Control Conference*, Boston, MA, June 2004, pp. 4120-4125.

Acceptance: 57%

[CNF 27] R.T. O’Brien, Jr. and K. Kiriakidis, “Single Snapshot Robust Direction Finding,” In *Proceedings of International Conference on Acoustics, Speech, and Signal Processing*, Montreal, Quebec, Canada, May 2004, pp. II-93–II-96.

Acceptance: 52%

[CNF 26] K. Kiriakidis, “On the expansion of nonlinear models using bell-shaped basis functions.” In *Proceedings of the ASME International Mechanical Engineering Congress and Exposition*, Washington, DC, November 2003, CD-ROM.

Acceptance: 65%

[CNF 25] R.T. O’Brien, Jr. and K. Kiriakidis, “Convergence and performance in \mathcal{H}_∞ -based parameter identification.” In *IFAC Workshop on Robust Control*, Milan, Italy, June 2003, pp. 127-132.

Acceptance: 70%

[CNF 24] J. Hawkes² and K. Kiriakidis, “Community Robotics”, *Proceedings of the 35th IEEE Southeastern Symposium on System Theory*, Morgantown, WV, March 2003, pp. 345–346.

[CNF 23] K. Kiriakidis, “H-infinity optimal filters for a class of nonlinear models”, *Proceedings of the American Control Conference*, Anchorage, AK, May 2002, pp. 2336–2339.

Acceptance: 57%

[CNF 22] K. Kiriakidis, “Optimal Nonlinear Filters based on the Takagi–Sugeno Fuzzy Model”, *Proceedings of the IEEE International Conference on Fuzzy Systems*, Honolulu, HI, May 2002, pp. 321–323.

Acceptance: 68%

[CNF 21] K. Kiriakidis and B. Bishop, “On the Analysis of Uncertain Hybrid Systems with Estimated-State Feedback”, *Proceedings of the American Control Conference*, Arlington, VA, June 2001, pp. 212–216.

Times cited: 1, Acceptance: 57%

[CNF 20] K. Kiriakidis and D. Gordon, “Supervision of Multiple-Robot Systems”, *Proceedings of the American Control Conference*, Arlington, VA, June 2001, pp. 2117–2118.

Times cited: 3, Acceptance: 57%

[CNF 19] K. Kiriakidis, “Stabilization of Nonlinear Systems using Quasi-linear Models”, *Proceedings of the ASME Dynamic Systems and Control Division, International Mechanical*

²Midshipman First Class

Engineering Congress and Exposition, Orlando, FL, Nov. 2000, pp. 517–524.

[CNF 18] D. Gordon and K. Kiriakidis, “Design of Adaptive Supervisors for Discrete Event Systems via Learning”, *Proceedings of the ASME Dynamic Systems and Control Division, International Mechanical Engineering Congress and Exposition*, Orlando, FL, Nov. 2000, pp. 365–370.

[CNF 17] D. Gordon and K. Kiriakidis, “Adaptive Supervisory Control of Interconnected Discrete Event Systems”, *Proceedings of the 2000 IEEE Conference on Control Applications*, Anchorage, AK, Sept. 2000, pp. 935–940.

[CNF 16] K. Kiriakidis, “Takagi-Sugeno fuzzy modeling and control: unmodeled dynamics and robustness”, *Proceedings of the 38th IEEE Conference on Decision and Control*, Phoenix, AZ, Dec. 1999, pp. 4361–4363.

[CNF 15] K. Kiriakidis, “Control synthesis for a class of uncertain nonlinear systems”, *Proceedings of the American Control Conference*, San Diego, CA, June 1999, pp. 4073–4074.

[CNF 14] K. Kiriakidis, “An LMI approach to the control of a class of nonlinear systems”, *Proceedings of the 37th IEEE Conference on Decision and Control*, Tampa, FL, Dec. 1998, pp. 1470–1475.

Times cited: 1

[CNF 13] J. M. Watkins and K. Kiriakidis, “Adaptive control of time-varying systems based on parameter set estimation”, *Proceedings of the 37th IEEE Conference on Decision and Control*, Tampa, FL, Dec. 1998, pp. 4002–4007.

[CNF 12] K. Kiriakidis, “Fuzzy model control of nonlinear plants using LMIs”, *Proceedings of the World Automation Congress*, Anchorage, AK, May 1998, Paper ISAC 039.

[CNF 11] K. Kiriakidis, “Dynamic output feedback of gas furnaces via fuzzy modeling”, *Proceedings of the 1997 IEEE Conference on Control Applications*, Hartford, CT, Oct. 1997, pp. 79–84.

Times cited: 3

[CNF 10] K. Kiriakidis, “Stabilization of nonlinear plants using fuzzy modeling”, *Proceedings of the IASTED International Conference on Modeling and Simulation*, Pittsburgh, PA, May 1997, pp. 110–113.

[CNF 9] K. Kiriakidis, and A. Tzes, “Adaptive Robust Control by Set Membership Estimation and Switching: Stability and Performance Analysis”, *Proceedings of the 35th IEEE Conference on Decision and Control*, Kobe, Japan, Dec. 1996, pp. 3743–3748.

[CNF 8] K. Kiriakidis, A. Grivas and A. Tzes, “A sufficient criterion for stability of the

Takagi-Sugeno fuzzy model”, *Proceedings of the Sixth IEEE International Conference on Fuzzy Systems*, New Orleans, LA, 1996, pp. 277–282.

Times cited: 4

[CNF 7] K. Kiriakidis, A. Tzes, and G. Vradis, “Active Control of Gaseous Systems: A Fuzzy Logic Approach”, Forum on Neural Networks and Fuzzy Logic—Applications to Fluid Mechanics and Heat Transfer, *Proceedings of the ASME Fluids Engineering Division, International Mechanical Engineering Congress and Exposition*, Atlanta, Georgia, Nov. 1996, pp. 61–67.

[CNF 6] K. Kiriakidis and A. Tzes, “Robustness of linear systems against nonlinear time-varying perturbations”, *Preprints of the 13th World Congress of IFAC*, San Francisco, California, June 1996, vol. H, pp. 263–268.

Times cited: 2

[CNF 5] K. Kiriakidis and A. Tzes, “Robust adaptive control for discrete time systems via parameter bounding”, *Proceedings of the 34th IEEE Conference on Decision and Control*, New Orleans, Louisiana, Dec. 1995, pp. 154–158.

Times cited: 1

[CNF 4] K. Kiriakidis and A. Tzes, “Design of a fuzzy logic adaptive sliding controller and its application to an air flow/cooling system”, *Proceedings of the Fourth IEEE Conference on Control Applications*, Albany, New York, Sept. 1995, pp. 341–346.

Times cited: 1

[CNF 3] K. Kiriakidis and A. Tzes, “Implicit self-tuning fuzzy control for non-linear systems”, *Proceedings of the American Control Conference*, Seattle, Washington, June 1995, pp. 3750–3754.

Times cited: 3

[CNF 2] A. Tzes and K. Kiriakidis, “Adaptive fuzzy control for flexible-link manipulators: a hybrid frequency-time domain scheme”, *Proceedings of the Second IEEE Conference on Fuzzy Systems*, San Francisco, California, Mar. 1993, pp. 122–127.

[CNF 1] K. Kiriakidis and A. Tzes, “Adaptive fuzzy dominant pole placement control”, *Proceedings of the 31st IEEE Conference on Decision and Control*, Tuscon, Arizona, Dec. 1992, pp. 2517–2522.

d. Published Abstracts

R. T. O’Brien and K. Kiriakidis, “Extended \mathcal{H}_∞ filtering to determine Direction of Arrival

(DOA)”, SIAM 50th Anniversary and Annual Meeting, Philadelphia, PA, July 2002.

e. Technical Reports

[REP 1] R.T. O’Brien, Jr. and K. Kiriakidis, “An \mathcal{H}_∞ -based detection and tracking method for underwater sensor systems”, (ONR Publication CD-ROM), Arlington, Virginia: Ocean Atmosphere and Space S&T Department, 2005.

[REP 2] R.T. O’Brien, Jr. and K. Kiriakidis, *ibid.*, 2004.

[REP 3] R.T. O’Brien, Jr. and K. Kiriakidis, *ibid.*, 2003.

f. Funded Research Projects

[FRP 11] “Detecting the Hostile Intent of Small Boat Groups in Normal Marine Traffic,” Naval Research Laboratory, Base Research Program, FY10-13 (pending final approval)

[FRP 10] “Particle Filters for Multipath Mitigation,” Naval Research Laboratory, Code 5741, 2008–9

[FRP 9] “Particle Filter Estimation of Group Dynamics,” Naval Research Laboratory, Code 5741, and Office of Naval Research (matching), 2007

[FRP 8] “Evaluation of H_∞ Detection and Localization for Multiple Sources,” Office of Naval Research, Code 311SIP, 2006 (with R. O’Brien)

[FRP 7] “An H_∞ -based Detection and Tracking Method for Underwater Sensor Systems,” Office of Naval Research, Code 321US, 2003–6 (with R. O’Brien)

[FRP 6] “ H_∞ Control Theoretic Methods for Antennae,” Office of Naval Research, Code 321 (DRI), 2001–2 (with R. O’Brien)

[FRP 5] “Adaptive supervisory control of a multiple-robot system,” Naval Research Laboratory, Code 5514, 2001

[FRP 4] “Supervisory control of learning multi-agent systems,” Naval Research Laboratory, Code 5514, 2000

[FRP 3] “Supervisors for adaptive systems,” Naval Research Laboratory, Code 5514, and Office of Naval Research (matching), 1999

[FRP 2] “Fuzzy model based control: an LMI approach,” Naval Academy Research Council

and Office of Naval Research, 1998

[FRP 1] “Analysis and design of complex nonlinear systems using fuzzy models,” Naval Academy Research Council and Office of Naval Research, 1997

g. Conference Presentations Frequency

ASME International Mechanical Engineering Congress and Exposition

- ▷ Seattle, Washington, Nov. 2007
- ▷ Chicago, Illinois, Nov. 2006
- ▷ Orlando, Florida, Nov. 2005
- ▷ Anaheim, California, Nov. 2004
- ▷ Washington, DC, Nov. 2003
- ▷ Orlando, Florida, Nov. 2000
- ▷ Dallas, Texas, Nov. 1997
- ▷ Atlanta, Georgia, Nov. 1996
- ▷ San Francisco, California, Nov. 1995

American Control Conference

- ▷ Minneapolis, MN, June 2006
- ▷ Boston, MA, June 2004
- ▷ Anchorage, AK, May 2002
- ▷ Arlington, VA, June 2001
- ▷ San Diego, CA, June 1999
- ▷ Seattle, Washington, June 1995

IEEE Conference on Decision and Control

- ▷ Phoenix, Arizona, Dec. 1999
- ▷ Tampa, Florida, Dec. 1998
- ▷ Kobe, Japan, Dec. 1996
- ▷ New Orleans, Louisiana, Dec. 1995
- ▷ Tuscon, Arizona, Dec. 1992

IEEE Conference on Control Applications

- ▷ Anchorage, AK, Sept. 2000
- ▷ Hartford, CT, Oct. 1997
- ▷ Albany, New York, Sept. 1995

Goddard Workshop on Formal Approaches to Agent-Based Systems, Greenbelt, MD

- ▷ Oct. 2002
- ▷ Apr. 2000

15th Int’l Conference on Digital Signal Processing, Cardiff, Wales, UK, July 2007

13th European Signal Processing Conference, Antalya, Turkey, Sept. 2005

Int’l Conf. on Acoustics, Speech, and Signal Processing, Montreal, Canada, May 2004

IFAC Workshop on Robust Control, Milan, Italy, June 2003

IEEE International Conference on Fuzzy Systems, Honolulu, HI, May 2002

SIAM 50th Anniversary and Annual Meeting, Philadelphia, PA, July 2002
13th World Congress of IFAC, San Francisco, California, June 1996

h.1. Symposium Organizer

“Model Identification,” at the ASME International Mechanical Engineering Congress and Exposition, Seattle, WA, Nov. 2007

h.2. Chaired Sessions

“Estimation,” at the International Mechanical Engineering Congress and Exposition, Chicago, IL, Nov. 2006

“Identification of Dynamic Systems (III),” at the International Mechanical Engineering Congress and Exposition, Orlando, FL, Nov. 2005

“Hybrid systems I,” at the American Control Conference, Arlington, VA, June 2001

“Advances in intelligent systems III,” at the International Mechanical Engineering Congress and Exposition, Orlando, FL, Nov. 2000

“Intelligent systems,” at the American Control Conference, San Diego, CA, June 1999

“Fuzzy control I,” at the IEEE Conference on Control Applications, Hartford, CT, Oct. 1997

i. ONR Program Reviews/Invited Presentations

ONR Torpedo DCL Winter Review, Newport, RI, Feb. 2005.

Sigma-Xi, United States Naval Academy, Feb. 2005

ONR Maritime Sensing Program Review, Newport, RI, May 2004.

ONR DRI H-infinity Methods for Antenna Systems Review, Annapolis, MD, March 2002.

Sigma-Xi, United States Naval Academy, Apr. 1998

Department of Systems Engineering, United States Naval Academy, Oct. 1997

j. Trident Scholar Program

[TRD 2] “Direction of Arrival Estimation Using a Reconfigurable Array,” Trident Scholar D L. Adams, Co-adviser Associate Professor R. T. O’Brien, 2004–2005

[TRD 1] “Model based control of combustion,” Trident Scholar N. G. Osburn, Co-adviser

Professor C. F. Rowell, 1998–1999.

k. Independent Student Research (ES495 and ES496)

[ISR 7] “Modeling Human Glucose-Insulin Dynamics,” Midshipman First Class K. A. Sproat, Fall 2007

[ISR 6] “Control and Simulation of Thrust Maneuvers of a Spacecraft,” Midshipman First Class C. L. Marsh, Spring 2007

[ISR 5] “Modeling of the arterial baroreceptor reflex,” Midshipman First Class H. G. Jayroe, Fall 2005

[ISR 4] “Direction Finding using a Reconfigurable Array,” Midshipman Second Class D L. Adams, Co-adviser Associate Professor R. T. O’Brien, Spring 2004 (This project was partly funded by the Office of Naval Research)

[ISR 3] “Flexibility investigation into community robotics using supervisory control,” Midshipman First Class J. Hawkes, Fall 2002

[ISR 2] “Modeling, simulation, and implementation of a multiple-robot system,” Midshipman First Class L. Henriquez, Fall 2000 (Presented at 15th National Conference on Undergraduate Research, NCUR 2001; this project was funded by the Naval Research Laboratory)

[ISR 1] “Design and Implementation of a Signal Conditioning Circuit for NDIR CO_2/CO Sensors,” Midshipman First Class M. Plean, Fall 1997

l. Workshops

Modeling and Analysis of Biological Regulatory Networks, American Control Conference, Minneapolis, MN, June 2006

ONR Torpedo Detection Workshop, Applied Research Laboratory, Laurel, MD, Jun. 2004

Sensor Networks, Aeroacoustics, and Signal Processing, International Conference on Acoustics, Speech, and Signal Processing, Montreal, Quebec, Canada, May 2004

ONR Undersea Acoustic Systems Technology Program Review, Patuxent River, MD, Jun. 2003

First Waveform Diversity Tri-Service Workshop, Naval Research Laboratory, Washington,

DC, Feb. 2003

Design and Analysis of Fuzzy Control Systems: A System-Theoretic Approach, American Control Conference, Arlington, VA, June 2001

m. Sponsored Internships

Midshipman First Class T. Fischer, Naval Research Laboratory, Summer 2001

n. Grants, Awards, and Honors

Naval Research Laboratory, Research Grant (2006–7)

Research Excellence Award, Nomination (AY2007)

Office of Naval Research, Research Grants (Code 321: 2003–6 and Code 311: 2006)

Office of Naval Research, Department Research Initiative Grant (2001–2)

Naval Research Laboratory, Research Grant (2001)

Faculty Development Funds (2000)

Naval Research Laboratory and ONR, Research Grant (1999, 2000)

Naval Academy Research Council and ONR, Research Grant (1997–8)

National Science Foundation, Grant (1996)

National Science Foundation, Travel Award (1995)

General Electric R&D Center, Travel Award (1995)

New York Power Pool, Travel Award (1995)

Multiple Teaching and Research Fellowships, Polytechnic University (1991–1994)

Research Assistantship, Nuclear Engineering, Texas A&M University (1991, declined)

Tenth in Graduation Class, National Technical University of Athens (1990)

State Scholarship Foundation of Greece (1986)

Greek Ministry of Education (1985)

4. PROFESSIONAL INVOLVEMENT

Conference Editorial Board (2008–2011)

Dynamic Systems and Control Conference and American Control Conference

- Associate Editor responsibilities: Assigned contributed papers to reviewers and obtain at least three reviews of substance per manuscript

Modeling and Identification Technical Panel (2003–)

Dynamic Systems and Control Division of ASME

- Dealt with organizational issues of the panel such as a successful proposal for the elevation of the Technical Panel to Technical Committee

Technical Program Committee (2002)

American Control Conference

- Arranged accepted papers in sessions and contributed in the formation of the advance program

Session Chair

International Mechanical Engineering Congress and Exposition

American Control Conference

IEEE Conference on Control Applications

Reviewer

IEEE Transactions on Fuzzy Systems

EURASIP Journal on Applied Signal Processing

IEEE Transactions on Automatic Control

IEEE Transactions on Control Systems Technology

International Journal of Control

ASME Journal of Dynamic Systems, Measurement, and Control

Fuzzy Sets and Systems

IEEE Control Systems Magazine

Automatica

International Journal of Systems Science

American Control Conference

IEEE Conference on Decision and Control

IEEE International Conference on Fuzzy Systems

International Federation of Automatic Control (IFAC) World Congress

Professional Societies

American Society of Mechanical Engineers (ASME), 1992

Institute of Electrical and Electronics Engineers (IEEE), 1992

Technical Chamber of Greece, 1993