ANTHONY TZES
Professor
Electrical & Computer Engineering Program
Division of Engineering
New York University Abu Dhabi
mail: **anthony.tzes@nyu.edu**

Birth Date: March 23, 1963
Birth Place: Athens, Greece

BIOGRAPHICAL VITAE

RESEARCH INTERESTS

Networked Controlled Systems, Adaptive and Robust Control; Robotics; MEMS Control; Neural Networks and Fuzzy Logic Applications for Intelligent Transportation Systems; Embedded Systems and Microcontrollers; Software Enabled Control

EDUCATION

B.Sc.E.E.	University of Patras, Greece	June 1985
M.Sc.	The Ohio State University, U.S.A.	March 1987
Ph.D.	The Ohio State University, U.S.A.	August 1990

PROFESSIONAL APPOINTMENTS

Program Head, Electrical and Computer Engineering, New York University (2018-)
Professor, Division of Engineering, New York University Abu Dhabi (2017-)
Director (Elected) of Graduate Program in Biomedical Engineering (2015-17)
Member (Elected) of University of Patras' Council, (2012 - 17)
Department Head – Electrical & Computer Engineering Department, University of Patras 2009-13
Visiting Professor – University of Loughborough, Department of Electrical & Electronic Engineering 2009-12
Professor -   University of Patras (2008 -)
Chairman of the Hellenic Committee at the European Union for the initiatives on "Coherent Development of Policies", the "Regions of Knowledge" and "Research Potential" (2006 – 2009)
Steering Committee Member Director – ECE Department's -Computing Center UPAT (2006-present)
Deputy Department Head – Electrical & Computer Engineering Department, UPAT 2003-5
Director Center for Computer Aided Control Systems Design – UPAT (2004-present)
Associate Professor -University of Patras (1999 -2008)
Associate Professor (tenured) - Polytechnic University (1996 -1999)
Guest Scientist - Brookhaven National Laboratory (1993 - 94)
Assistant Professor - Polytechnic University (1990 - 1996)
Graduate Research Associate - The Ohio State University (1985-87, 89-90)
Research Associate - University of Patras (1983-84).

PROJECTS FUNDED

- Principal Investigator, Horizon 2020-ICT-2014-1, ICT-23-2014: Robotics, "AEROWORKS: Collaborative Aerial Robotic Workers", Awarded Amount €5,210,221.25 (UPAT's share €364,050)), 2015-8.

- Principal Investigator, General Secretariat for Research and Technology, "Development of a prototype real 3-D forming touch table for interactive 3-D Geographical Information System", Awarded Amount €1,098,200, 2013-15.
- Primary Scientist, General Secretariat for Research and Technology, "Integrated Transportation System based on Collaborative Agents (Traffic Light Controllers", 09ΣΥΝ-52-768, Awarded Amount €300,000 (UPAT-share €61,494, 2012-15.
- Principal Investigator, Latsis Foundation, "Robotic Systems for Search and Rescue Missions", Awarded Amount €12,000, Jan. 2011-Dec. 2011.
- Principal Investigator, UPAT, General Secretariat for Research and Technology (project 12.260.6), "Control of Collaborative Aerial Robotic Vehicles", Awarded Amount €45,000, Sep. 2010-13.
- Principal Investigator, UPAT, General Secretariat for Research and Technology (project 12.261.6), "Design and Control of a Biomimetic-Energized Anthropomorphic Hand", Awarded Amount €45,000, Sep. 2010-13.
- Principal Investigator, UPAT, Hellenic Ministry of Foreign Affairs, "Development of a System for Wireless Transfer of Medical Data for Coordination and Control of Disastrous Incidents in the Region of South Serbia", Awarded Amount €225,000, Feb. 2009-10.
- Principal Investigator, UPAT- Basic Research Program "Caratheodory", "Fault Detection and Adaptive Robust Control of Micro-Actuators", Awarded Amount €24.000, Oct. 2006-9.
- Principal Investigator, UPAT, General Secretariat for Research and Technology, PENED-B.659, "Design and Development of a Wireless Adaptive Remote Control with Emphasis on the QoS-Optimization", Awarded Amount €37,550, Nov. 2005-8
- Principal Investigator, Hellenic Ministry for the Environment, Physical Planning & Public Works, «Expert's Services for Supporting the Directorate of Highway Maintenance of the General Secretariat of Public Works in Projects related to Road Safety", Awarded Amount €18.000 (Jan.-Apr. 2006)
- Principal Investigator –Alcatel-Alenia's Space Italia S.p.a. (on behalf of E.S.A.'s Project for the "Lunar Exploration Architecture – STUDY Phase 1 (Academic Architecture & BB Definition [WP12530 – Robotics])", entitled "MANET Intercommunication for Robotic AppliCations for Lunar Exploration", Awarded Amount €10.000 (Nov. 2005 - May 2006)
- Principal Investigator, UPAT, EU Integrated Project IST-004536-RUNES, "Reconfigurable Ubiquitous Networked Embedded Systems", (Awarded Amount €6,5M, UPAT's share €103,000), 2004-7.
- Primary Scientist, UPAT, EU Network of Excellence IST-511368 HYCON, "Hybrid CONtrol: Taming Heterogeneity and Complexity of Networked Embedded Systems, (Awarded Amount €4,6M), 2004-8.
- Faculty Associate, UPAT, EU Specific Targeted Project AST3-CT-2003-502915 MESEMA, "Magnetoelastic Energy Systems for Even More Electric Aircraft", Awarded Amount €5.474.162 (UPAT's share €434.065), 2004-6.
- UPAT's ECE-Department Principal Investigator, Ministry of National Education – European Social Fund II, «Supplementary Instrumentation for Educational Purposes of the ECE-Department», Awarded Amount €221.632, 2004.
- Primary Scientist, UPAT- ECE Department, Ministry of National Education, European Social Fund II, "ECE-Department's Undergraduate Curriculum Restructuring", 2003-7.
- Principal Investigator, UPAT, Coca-Cola HBC, "Development of an integrated turnkey for energy consumption measurement", Awarded Amount €4900, Jun.-Dec. 2003
- Principal Investigator, UPAT, Ministry of National Education – European Social Fund II, Herakleitos Program, "Adaptive Control of Networked Embedded Systems", Awarded Amount €33.111, Nov. 2002- Dec. 2006.
- Chief Technical Officer, UPAT, Region of Western Greece, EU – Program INNACT-RWG 2002-3 Action 3.1, "Development of an advanced technological system for treatment of emergency medical incidents", Awarded Amount €293.500, Jan. 2003 – Dec. 2003.
- Principal Investigator, UPAT- Basic Research Program "Caratheodory", "Adpative Robust Remote Control of Time-Varying Systems", Awarded Amount €23.478, Oct. 2001-4.
- Primary Scientist, UPAT, General Secretariat for Research and Technology, "Automated Optimization Sequential Batch Reactors for Nitrogen Removal from Liquid Waste", Awarded Amount GRD 58M, Jan. 2002-Dec. 2002

Research Projects while in U.S.A.

- Principal Investigator (w./ V. Kapila) National Science Foundation, "Development of an internet-based laboratory for distance learning in mechatronics" Awarded Amount $218.216, July 1999-Dec. 2000.

- Co-Principal Investigator (w./ J.Falcocchio and E.Serafin), Transportation Infrastructure Research Consortium (Calspan, Polytechnic U., City College of New York, Brookhaven National Lab): Integrated Emergency Communication Network for New York City (PIN X804.13), Awarded Amount: $5,000,000 (Polytechnic's Share $600,000). Duration: Oct. 97 - Sep. 99.
- Principal Investigator (w./ J.Falcocchio and E.Serafin), University Transportation Research Consortium & NYCDOT: Using Wide Area Detection for Curb Lane Management in New York City, Awarded Amount (pending contract negotiations) $495,044 . Duration: Dec. 1997 - Aug. 1999.
- Principal Investigator, University Transportation Research Consortium & NJDOT: Evaluation of ISDN Video Transmission to a Traffic Operations Center, Awarded Amount $55,000. Duration: Nov. 1997- Apr. 1998.
- Principal Investigator (w./ J.Falcocchio and E.Serafin), NYCDOT: Advanced Traveler Information Dissemination System for NYC Based on the World Wide Web, Awarded Amount $36,000. Duration: Jun. 1997 - Dec. 1997.
- Faculty Associate, NYSERDA: Smart Control and Diagnosis of Heating Systems, Awarded Amount $122,000. Duration: Jan 1997 - Dec. 1997.
- Principal Investigator (w./ G.Vradis), Long Island Lighting Company: Optimization of the Operation, Control System, and Sizing of Natural Gas Vehicle Fueling Stations, Awarded Amount $167,076. Duration: May 1995 - Apr. 1997.
- Research Principal, New York City Department of Transportation: The New York City Urban ITS Center, Awarded Amount $479,868, Duration: Oct. 1995 - Oct. 1996.
- Faculty Associate, Region II University Transportation Research Center and NYSERDA: Advanced Control Concepts for Transit, Awarded Amount $72,000, Duration: Jan. 1994 - Dec. 1995.
- Principal Investigator (w./ V.Tsotras and L.Tassiulas), Long Island Lighting Company, and New York Gas Group: Statistically Validated Algorithm Development for Predicting Response Time to Customer Service Requests, Awarded Amount $154,359. Duration: Jul. 1993 - Jul. 1995.
- Principal Investigator (w./ W.McShane), NYSERDA University Research Program PRDA 202-91: Energy Efficient Traffic Control through Wide Area Detection and Fuzzy Logic, Awarded Amount $355,966, Duration: Jan. 1992 - Jun. 1995.
- Principal Investigator (w./ W.McShane), Brookhaven National Laboratory: Congestion Forecasting Model for Intelligent Vehicle Highway Systems, Awarded Amount $91,908, Duration: Mar. 1994 - Oct. 1994
- Co-Principal Investigator (w./ T.Stouraitis), Greek Ministry of Industry, Secretariat of Research and Technology: Applications of Petri Networks to Computer Architectures for Process Control, Duration: Sep. 1992 - Sep. 1994.
- Co-Principal Investigator (w./ W.McShane), F.Mier and Associates Inc.: Traffic Simulation of Continuous Flow Intersection, Awarded Amount $7,500, Duration: Nov. 1992 - Nov. 1993.
- Principal Investigator, NSF Research Equipment Grant Program: Engineering Research Equipment: Neural Network Computer for Real Time Control, Awarded Amount $45,135, Duration: Sept. 1991 - Sept. 1992.

Equipment Grants
- Principal Investigator, Polytechnic University (Teagle Foundation), Internet Based Control Designs for Mechanical Systems, Awarded Amount $15,000, Duration Oct. 97 - Jan. 98.
- Co-Principal Investigator (w./ V.Kapila), Motorola Corp., DSP-controller boards for development of a mechatronics laboratory, Awarded Amount (valued at) $2,000, (Dec. 1996)
- Principal Investigator, Polytechnic University Laboratory Improvement Seed Program, Development of Computer-Aided Experimentation for the Instrumentation and Control Laboratory, Awarded Amount $40,000, (Sep. 95).
- Principal Investigator, Sun Microsystems Computer Corporation, Scientific Visualization of Control/Structure Interaction (Finite Element Static and Dynamic Analysis and Design) - Equipment Grant, Awarded Amount $47,940, Duration Jun. 1994 - Jun. 1995.
- Principal Investigator, Grumman Corporation, Equipment Grant through the Corporate Contribution Program, Awarded Amount (valued at) $23,750 , Dec. 1992.
- Principal Investigator, International Business Machines (IBM) Corporation, Computer-Matching Grant for software development, Awarded Amount (valued at) $10,877, Jun. 1992.
- Principal Investigator, Polytechnic University, Control Laboratory Research Laboratory Development (Seed Funds), Awarded Amount $30,000, Jun. 1990.

CONSULTING/COLLABORATIONs

- Hellenic Ministry of Tourism, Evaluator for an Integrated System for Information Uploading and Retrieval for On-Line Tourist-Accommodations
- Hellenic General Secretariat of Research and Technology, Evaluator of Research Proposals
- Hellenic Ministry of Education, Evaluator of Research Proposal
- New York State Gas Group, `Neural Network Assisted Prediction for Electric Load Supply and Demand.'
- Transportation Engineering - Grumman Aerospace Corporation, `Infrared Sensor for Traffic Monitoring Purposes'.
- Microsoft Corporation, `b-version evaluation of the IMSL-library, and the Fortran Ver.4 for the MS-Windows environment.

PROFESSIONAL SOCIETY MEMBERSHIPS

- Member of Sigma Xi, the Scientific Research Society (1993 - 99).
- IEEE Senior Member (Control Systems Society)
- ASME Member (Division of Dynamic Systems, Measurement and Control, 1990-99).
- Member of the Greek National Technical Chamber (August 1985 - present).
- Member of the Hellenic Committee in the European Control Association (2001-7)
- Chairman of the Greek Chapter of the IEEE Control Systems Society (2005-current)

TEACHING ACTIVITY

Associate Professor & Professor– University of Patras (1999-current)
Courses Taught
1. Feedback Control (5th semester UG-course)
2. Discrete Feedback Control (6th semester UG-course)
3. Introduction to Robotics (7th semester UG-course)
4. Adaptive Control (9th semester UG-course / G –course)
5. Robust Control (9th semester UG-course / G – course)
6. Neural Networks (G-course)
7. Nonlinear Control (G-course)

Faculty Associate – Democritus University of Thrace (2004-current)
Courses Taught
1. Intelligent Transportation Systems

Associate Professor - Polytechnic University (1996 - 9)
Assistant Professor - Polytechnic University (1990 - 6)
- Development of the Instrumentation/Control Laboratory (ICL). Research conducted at ICL pertains to applications of neural networks, fuzzy logic, and adaptive control to mechanical systems (robotic arms, air-flow systems, pump and hydraulic systems control).
- Developed the Graduate Program in Control/Robotics within the Mechanical Engineering Department (7 new courses). Developed the Mechatronics Laboratory. Coordinated the senior-level project sequence and all undergraduate courses in control/robotics.

Courses developed/taught
1. Co-participant in the Engineer In Training (E.I.T.) lecture series (August 1994).
2. Nonlinear Control (ME761).
3. Neural Network Applications (ME886).
4. Adaptive Control (ME871, co-listed with EL924).
5. Discrete Feedback Control (ME660).
6. Sensor Based Robotics (ME661, co-listed with EL522).
7. Classical Feedback Control (ME691).
8. Linear Systems II (Guided Studies) (ME901).

9. Robot Force Control (Guided Studies) (ME902).
10. Introduction to Design (EG102) (Lecturer co-participant).
11. Instrumentation (ME321).
12. Senior Design Project (ME361 and ME362).
13. Instrumentation and Controls Laboratory (ME324).
14. Responsible for the Graduate Program in Control/Robotics within the Mechanical Engineering Department.

- Summer Intern Supervisor - Youth in Engineering and Science (YES) Center, Coordinator for the Mechanical Engineering Department (1993-current).

INDUSTRIAL ACTIVITY

- Research Faculty Affiliate – Grumman Aerospace Corp. (1993)
- Electrical Engineer - Greek Electric Power Company. Assisting in several projects concerning power transmission.

PROFESSIONAL ACTIVITIES (in chronological order)

- Keynote Speaker, 10th Hellenic Conference on Artificial Intelligence (SETN2018), July 9 -12, 2018, Patras, Greece
- Keynote Speaker, 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications (IEEE MESA 2018), July 2-4, 2018, Oulu, Finland
- Associate Editor, 1st IEEE Conference on Control Technology and Applications, (CCTA2017), August 27-30, 2017, Hawaii, USA
- Program Chairman of the 24th 2016 Mediterranean Conference on Control and Automation, Athens, Greece.
- Member of the Steering Committee of the 21st 2013 Mediterranean Conference on Control and Automation, Chania, Greece.
- Organizer of Invited Session WeA5 with theme "Applications of Control in Aerospace, 21st 2013 Mediterranean Conference on Control and Automation, Chania, Greece
- Keynote plenary speaker in the 14th IASTED International Conference on Control and Automation, Crete, Greece, June, 2012
- International Program Committee Member (Chair – Robotics and Mechatronics Technical Sessions) of the 2012 IEEE International Conference on Industrial Technology (ICIT 2012), March 2012, Athens, Greece.
- Chairman of the 17th IEEE Mediterranean Conference on Control and Automation, Corfu, Greece, June 2011.
- International Program Committee Member of the 2010 IEEE Conference on Automation Science and Engineering, Toronto, Canada, August 2010.
- International Program Committee Member (and Session Co-Chairman) of the 18th IEEE Mediterranean Conference on Control and Automation, Marrakech, Morocco, June 2009.
- International Program Committee Member of the 2009 IEEE Conference on Automation Science and Engineering, Bangalore, India, August 2009.
- Program Committee Member of the 6th International Conference on Informatics in Control, Automation and Robotics (ICINCO 2008), Milan, Italy, USA, July 2009.
- International Program Committee Member (and Session Chairman) of the 17th IEEE Mediterranean Conference on Control and Automation, Thessaloniki, Greece, June 2009.
- Technical Program Committee Member of the Second International Conference on Robot Communication and Coordination (ROBOCOMM 2009), Odense, Denmark, April 2009.
- International Program Committee Member of the 2008 IEEE Conference on Automation Science and Engineering, Washington DC, USA, August 2008.
- Program Committee Member of the 5th International Conference on Informatics in Control, Automation and Robotics (ICINCO 2008), Funchal, Madeira, Portugal, USA, May 2008.
- International Program Committee Member of the 2008 IEEE International Conference on Networking, Sensing and Control, Sanya, China, April 2008.
- Technical Program Committee Member of the First International Conference on Robot Communication and Coordination (ROBOCOMM 2007), Athens, Greece, October 2007.
- Organizing Committee Co-chair and Member of the Conference Editorial Board of the 2007 European Control Conference, Kos, Greece, July 2007.

- International Program Committee Member (and Session Chairman) of the 15th IEEE Mediterranean Conference on Control and Automation, Athens, Greece, June 2007.
- Session Chairman «Computational Fluid Dynamics III" at the "2nd International Conference – Scientific Computing to Computational Engineering", July 2006, Athens, Greece
- International Program Committee Member (and Session Chairman) of the 14th IEEE Mediterranean Conference on Control and Automation, Ancona, Italy, June 2006.
- International Program Committee Member (and Session Chairman) of the 13th IEEE Mediterranean Conference on Control and Automation, Limassol, Cyprus, June 2005.
- Invited Speaker of UPAT's Medical School – presented a series of lectures on "Recent technological advances in pre-hospital trauma-treatment of injured persons", April 2005, Rio, Greece
- Invited Speaker at the symposium organized by the Region of Western Greece related to the review meeting for the program INNACT-RWG, for the project «Implementation of an advanced technological system for treatment of medical-emergency situations (pre-hospital trauma medical support services)», March 29-30, 2004, Patras, Greece.
- Invited Speaker at the Workshop "Teaching automatic control at the Electrical divisions at the lyceums", March 19-21, Athens, Greece.
- Senior Member IEEE (2003 – current)
- Session Chairman of the 11th IEEE Mediterannean Conferece on Control and Automation, June 2003, Rhodes, Greece.
- Invited Speaker at the Workshop "Surgery Updates in the prefecture of Achaia", March 2003, Rio, Greece.
- Member of the Hellenic Delegation of the European Control Association (EUCA) Administrative Council (2001 - 2007).
- Invited Speaker at the Workshop "Robotics" of the Hellenic "Artificial Intelligence Network", March 2001.
- Προσκεκλημένος Ομιλητής Σεμιναρίου «Μεθοδολογίες Αυτομάτου Ελέγχου και Ρομποτικής», Δικτύου ΚΤΗΣΙΒΙΟΣ, Μαρ. 2001.
- Program Chairman of IFAC's Symposium in Manufacturing, Modeling, Management and Control, Patras, Greece, 2000.
- Organizing Committee Member of the 2000 IEEE International Symposium on Intelligent Control, Patras, Greece, June 2000.
- Organizing Committee Member of the 8th IEEE Mediterranean Conference on Control and Automation, Patras, Greece, June 2000.
- Reviewer for proposals submitted at the Hellenic Secretariat for Research (1999 - current) and Technology and the Democritus University of Thrace
- Reviewer for proposals (2000) at the (NSF-UnderGraduate Division), U.S.A.
- Member of the International Program Committee of the 1998 IMACS Symposium on Soft Computing in Engineering Applications (SOFTCOM '98), Athens, Greece.
- Invited Plenary Speaker of the Forum on `Fluid Mechnanics and Heat Transfer' in the International Mechanical Engineering Conference & Exposition (IMECE'96), `Applications of Fuzzy Logic to Identification and Control Problems Fluid Mechanics and Heat Tranfer' November 1996, Atlanta, GA.
- Member of the 1997 American Control Conference Program Committee.
- Member of the IEEE Control System Society's Conference Editorial Board, (1996-2002).
- Member of the Organizing Committee of the International Conference on Electronics, Circuits, and Systems (ICECS'96), Rhodes, Greece.
- Proposal Reviewer for the Idaho State Board of Education, March 1996.
- Session Chairman: `Adaptive Control Applications', Control and Decision Conference, December 1995.
- Session Chairman: `Robust Control II', American Control Conference, June 1995.
- Session Co-Chairman: `Flexible Structures I', American Control Conference, June 1995.
- Member of the New York City's Intelligent Transportation Systems Committee (TC-I), April 1995.
- Senior Representative of the IEEE Communications Society to the IEEE's Technical Activities Board (TAB) Committee on ITS.
- Committee Member for the Development of a Joint Research Program on Intelligent Transportation Systems between New York City and Paris, France, November 1994.
- Member of the Organizing Committee for the 10th IEEE International Symposium on Intelligent Control, August 1995.
- Member of the Organizing Committee for the Intelligent Transportation Society of New York (ITS-NY) Research Conference on Intelligent Transportation Systems, Troy, NY, September 1994.

- Participant to the Mechatronics Workshop sponsored by The Synthesis Coalition of the National Science Foundation, Palo Alto, CA, July 1994.
- Session Co-Chairman: `Fuzzy Control - Robotics Applications', American Control Conference, June 1994.
- Member of the Liaison Committee to the IEEE Press for the Control Systems Society, 1993.
- Member of the Advanced Traffic Management System (ATMS) Committee of the ITS-America Group.
- Session Chairman: `Nonlinear Control in Mechanical Applications', American Control Conference, June 1993.
- Member of the Organizing Committee and Local Arrangements Chairman for the IEEE Regional Conference on Control Systems Applications, July 1992.
- Member of the ASME Panel Review Committee for the ASME Regional Student Conference, May 1992.
- Participant by invitation from the Federal Highway Administration to the IVHS Session on Dynamic Traffic Assignment, February 1992.
- Session Chairman `Robotic Applications', IEEE Conference on Decision and Control, December 1991.
- Invited Speaker on University of Patras Interdisciplinary Seminar on Control Applications `Self-Tuning Algorithms for Control Structure Interaction', June 1991.
- Session Chairman `Distributed Parameter Systems I', IEEE Conference on Decision and Control, December 1990.
- Session Co-Chairman: `Flexible Structure Control', IEEE Conference on Decision and Control, December 1990.
- Session Co-Chairman: `On-Line Identification for Control', IEEE Conference on Decision and Control, December 1990.
- Invited Speaker on New Jersey's Institute of Technology (NJIT) Interdisciplinary Seminar on Systems and Control `Intelligent Controller Design Using Petri Nets', October 1990.

- IEEE Transactions on Automatic Control, Reviewer;
- Transactions on Embedded Computing Systems, Reviewer;
- Mechatronics, Reviewer;
- ASME, Journal of Dyn. Sys. Meas., and Control, Reviewer;
- IEEE Transactions on Robotics and Automation, Reviewer;
- IEEE Transactions on Signal Processing, Reviewer;
- Journal of Robotic Systems, Reviewer;
- Mc-Graw Hill Publishing Corp., Addison Wesley, and IEEE Press, Book Reviewer.

UNIVERSITY SERVICE

- **UPAT Council (Board of Trustees/Regents) Member** (2012 - 17)
- UPAT ECE Department Head (2009-13)
- Deputy ECE Department Head (2003-5)
- Chairman of UPAT-ECE's Department Committee on Teaching Assistantships (2003-5)
- Member of UPAT-ECE's Department Committee on Graduate Program (2000 - current)
- Reviewer of proposals on behalf of UPAT

Polytechnic University
- Member of Faculty Executive Committee, September 1996 - 99.
- Member of Steering Team, May 1996 - 99.
- Member of Information Systems Team, November 1995 - 99.
- Chairman of Educational Policy Committee, September 1995 - 99 (elected).
- Member of Board of Trustees Committee, September 1995 -99 (nominated).
- Coordinator for the Mechanical Engineering Department's Open House Events (Brooklyn Campus), September 1992 - 99.
- Chairman: `Research Computing Users Council', March 1994 - 99.
- Chairman: `Library Committee', April 1995 - May 1996.
- Library operations coordinator for the Mechanical Engineering Department, January 1992 - 99.

AWARDS AND HONORS

- Prof. Tzes' research work has achieved the following marks according to the Harzing's Publish or Perish report (dated 2018)

Papers:	364	Cites/paper:	13.42	h-index:	38
Citations:	5049	Cites/author:	1807.52	g-index:	58
Years:	32	Papers/author:	142.22	hI,norm:	20
Cites/year:	155.35	Authors/paper:	2.88		

University of Patras
- Co-author of the article ``'Model predictive quadrotor control: attitude, altitude and position experimental studies'' acknowledged as the best paper published in 2014 in IET Control, Theory & Applications.
- Co-author of the article "Development and Experimental Verification of a Mobile Client-Centric Networked Controlled System" that received the EU- ECC 2003 IST Prize Award Cambridge, UK, September 2003.

Polytechnic University
- Supervisor of the best senior design project (on `Design and Control of a Solar Tracking Mechanism') for the Mechanical Engineering Department during the 1995-96 academic year.
- Supervisor of the best senior project (on `Design and Control of a 5 D.O.F. Robot Manipulator') for the Mechanical Engineering Department during the 1994-95 academic year.
- Supervisor of the best senior project (on `Discrete Control Design for a Thermal System') for the Mechanical Engineering Department during the 1993-94 academic year.
- Distinguished Scientist Status Award from the Greek Department of Defense, 1991-1995.
- Reprinted paper [2] in the Selected Reprint Volume `Robot Control, Dynamics, Motion Planning and Analysis' sponsored by the IEEE Control Systems Society, IEEE Press, November 1992.
- Supervisor of the best senior project (on `Animation for Robot Kinematics') for the Mechanical Engineering Department during the 1992-93 academic year.
- Supervisor of the best senior project (on `Development of a Wireless Control System for an Automated Guided Vehicle') for the Electrical Engineering Department during the 1992-93 academic year.
- Supervisor of the award winning senior design project (on `Robot Gripper Design for Space Applications')(3rd place in the 1990 ASME Student Regional Meeting, held at Puerto Rico).
- Recipient of five consecutive IKY (State (Greek) Scholarship Foundation) Scholarships for excellent academic performance, 1980 - 1985.
- Recipient of four Praises from the Greek Ministry of Education for excellent academic performance, 1976 - 1980.

PUBLICATIONS

JOURNAL PUBLICATIONS

J1.   S. Yurkovich, F. Pacheco, and A. Tzes, [YPT89_ieeetac] `On-Line Frequency Domain Information for Control of a Flexible-Link Robot with Varying Payload', In IEEE Transactions on Automatic Control, vol. AC-34, pp. 1300-1304, December 1989.

J2.   S. Yurkovich and A. Tzes, [YT90_ieeecsm] `Experiments in the Identification and Control of Flexible-Link Manipulators', In Control Systems Magazine, vol. 10, pp. 41-47, February 1990. Reprinted in Robot Control, A Selected Reprint Volume, IEEE Control Systems Society Sponsor, pp. 355-360, November 1992.

J3.   A. Tzes and S. Yurkovich, [TY90_asme] `A Frequency Domain Identification Scheme for Flexible Structure Control', In Trans. ASME, J. Meas., Dyn., and Control, vol. 112, pp.427-434, September 1990.

J4.   A. Tzes and S. Yurkovich [TY91_ijrr], `Application and Comparison of On-Line Identification Methods for Flexible Manipulator Control', In International Journal of Robotics Research, vol. 10, pp. 515-527, October 1991.

J5.   C.Chan and A. Tzes, [CT92_asee], `Symbolic Modeling and Computer Animation for Direct and Inverse Robot Kinematics', In ASEE Computers in Education Journal, vol. 2, pp. 49-53, December 1992.

J6.   A. Tzes and S. Yurkovich, [TY93_ieeetcst] `An Adaptive Input Shaping Control Scheme for Vibration Supression in Slewing Flexible Structures', In IEEE Transactions on Control Systems Technology, vol. 1, no. 2, pp. 114-121, June 1993.

J7.   A. Tzes, P-Y.Peng, and F. Khorrami, [TPK93_jifs] `Fuzzy Neural Network Control for a Slewing Single Flexible Link Manipulator', In Journal of Intelligent and Fuzzy Systems, vol. 1, no. 4, pp. 319-334, December 1993.

J8.   F. Khorrami, S.Jain and A. Tzes, [KJT94_ieeetra] `Experiments on Rigid Body Based Controllers with Input Preshaping for a Two Link Flexible Manipulator', In IEEE Transactions on Robotics and Automation, pp. 55-65, Vol. 10, February 1994.

J9.   A. Tzes, and K.Kiriakides, [TK94_jirs] `A Hybrid Frequency-Time Domain Adaptive Fuzzy Control Scheme for Flexible Link Mamipulators', In Journal of Intelligent and Robotic Systems, vol. 10, pp.283-300, December 1994.

J10. F. Khorrami, S.Jain and A. Tzes, [KJT95_aut] `Experimental Results on Adaptive Nonlinear Control and Input Preshaping for Multi-Link Flexible-Link Manipulators', In Automatica, vol. 31, no. 1, pp. 83-97, January 1995.

J11. A. Tzes, P-Y. Peng, and C-C. Houng, [TPH95_ieeeie] `Neural Network Control for DC-Motor Micromaneuvering', In IEEE Transactions of Industrial Electronics, vol. 42, no. 5, pp. 516-523, October 1995.

J12. A. Tzes and K. Le, [TL96_mssp] `Application of Frequency Domain Adaptive IIR Filtering for Identification of Flexible Structure Dynamics', In Mechanical Systems and Signal Processing, vol. 10, no. 1, pp. 65-91, February 1996.

J13. S. Jain, P-Y. Peng, A. Tzes, and F. Khorrami, [JPTK96_jirs] `Neural Network Designs with Genetic Learning for Control of a Single-Link Flexible Manipulator', In Journal of Intelligent and Robotic Systems, vol. 15, pp. 135-151, February 1996.

J14. N. Koussoulas and A. Tzes, [KT96_ieeecsm] `Control Education in Greece', In Control Systems Magazine, vol. 16, no. 2, pp. 26-29, April 1996.

J15. A. Tzes, S. Kim, and W. McShane, [TKM96_ieeetvt] `Applications of Petri Networks to Transportation Network Modeling', In IEEE Transactions on Vehicular Technology, vol. 45, no. 2, pp. 391-400, May 1996.

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