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1. Adı Soyadı : Yorgo İSTEFANOPULOS
2. Doğum Tarihi : 28.02.1944
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4. Öğrenim Durumu :

ÖĞRENİM DÖNEMİ	DERECE	ÜNİVERSİTE	ÖĞRENİM ALANI
1962-1967	Dil Hazırlık ve Lisans	Robert Kolej Yüksek Okulu	Elektrik-Elektronik Mühendisliği
1967-1969	Y. Lisans	Massachusetts Institute of Technology(MIT)	Elektrik-Elektronik Mühendisliği
1969-1972	Doktora	Massachusetts Institute of Technology(MIT)	Elektrik-Elektronik Mühendisliği

5. Akademik Ünvanlar

YIL	UNVAN	ÜNİVERSİTE	BÖLÜM
1972	Yrd. Doçent	Boğaziçi Üniversitesi	Elektrik-Elektronik Mühendisliği
1982	Doçent	Boğaziçi Üniversitesi	Elektrik-Elektronik Mühendisliği
1988	Profesör	Boğaziçi Üniversitesi	Elektrik-Elektronik Mühendisliği

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

6.1. Yüksek Lisans Tezleri

Boğaziçi Üniversitesi Elektrik-Elektronik Mühendisliği Anabilim Dalı ve Biyomedikal Mühendisliği Enstitüsü (BME) Yüksek Lisans tezleri

1	DÜNDAR HACİPOĞLU	An Analysis of Discrete Control Systems and Computer Simulation of a Physical System	1975
2	CEVAT KUMBASAR	Comparison of Two Indices of Performance for a Model Reference Identified Adaptive Control System	1976
3	FATOŞ TÜNAY YARMAN	Stability Analysis of TR-1 Research Reactor Identification of the Transfer Function by Noise Analysis Method	1977
4	İZZET BAHAR	Design and Construction of a Digital Voltmeter	1977
5	SEMİH PEKOL	Design and Realization of an Alphanumeric Computer Display Terminal	1977
6	SUAT KÖPRÜLÜ	Planning and Design of a Telephone Network	1977
7	H. DERYA CANSEVER	Modelling & Identification of Electrical Load Systems	1979
8	İBRAHİM EKSİN	Two Approaches to Min-Max Feedback Control and Design of Uncertain Systems	1979
9	ÖMER AYZAN	Design of Optimal Sampled Data Linear Regulator	1979
10	FAİK BURHANOĞLU	A Package Program on the Numerical Solutions of the Matrix Riccati Equation	1980
11	MELİKE BAYKAL GÜRSOY	Optimal Output Feedback Regulators	1980
12	MEHMET ZEYTİNOĞLU	Pole Assignment in Linear Multivariable Systems	1981
13	ERHAN İZMİR	Observers for Linear Time-Invariant Systems	1982
14	NAZAN HEKİM	Automatic LMS Equalizer with Fast Rate of Convergence	1982
15	EMİN ANARIM	Spectrum Estimation Using Adaptive Filters	1983
16	GÜVEN MERCANKÖŞK	Solution of General TPBVP's in Optimal Control Using the Sensitivity Method	1983
17	FEZA KERESTECİOĞLU	An Adaptive Control Structure Combining Model Reference Adaptive Controllers and Stochastic Self-Tuning Regulators	1985
18	KEMAL DÖNMEZ	Robust Controller Design	1985
19	MURAT ÜÇÜNCÜ	Discrete Time Variable Structure Systems	1985

20	ARİ KİREÇYAN	Design and instrumentation of a coronary care unit (BME)	1985
21	NEVZAT KILINÇ	A Study on Manipulator Control	1985
22	A. RAİF ALTUNSU	Microprocessor Based Optimal Digital Position Control with AC Squirrel Cage Motor	1988
23	LUCİANO CASAGRANDE	Automatic Determination of Joint Trajectories and Adaptive Control for a Robotic Arm	1990
24	ŞEBNEM AKYILDIZ	Design & Implementation of Self-Tuning Regulators Using Different Adaptation Schemes	1990
25	ŞÜKRÜ ERGÜR	Comparison and Evaluation of Model Reference Adaptive Control Techniques	1990
26	TAMER ERGÜN	Filtering Modifications on the Generalized Predictive Control Algorithm	1991
27	ALPTEKİN FADİLLİOĞLU	Neural Network Control of Nonlinear Systems	1992
28	A. NACİ ERAKIN	A Comparison of Conventional and Fuzzy PID Control	1992
29	BİROL BAYRAK	Robot Path Planning Using Intersecting Convex Shapes	1992
30	C. DENİZ MENDİ	Vector Quantization of Seismological Data	1992
31	MEHMET İMERYÜZ	Second Order Sliding Mode Control Systems	1992
32	DENİZ DUMLU	Design of an Adaptive Controller for Submarines via Gain Scheduling	1993
33	GÜRKAN DAMATOĞLU	Obstacle Avoidance Using Harmonic Potential Functions	1997
34	ÖMER ÖZGÜN	Investigation and Design of Fuzzy Logic Based Controllers for Nonlinear Systems	1997
35	DORUK ÖZKÖK	PID, Fuzzy-PID and Variable Structure Control of Two-link Manipulators	1998
36	GÜRHAN TAHTALI	Process Control With Neurofuzzy Controller	1998
37	HAYRİ KEREM ERENAY	Application of Fuzzy Algorithms to the Speed Control of Washing Machines	1998
38	İBRAHİM BOUL	Modelling and Control Improvements for a Gas-Turbine System	1998

39	M.ALPARSLAN PARLAKÇI	Comparative Evaluation of Four Control Algorithms for Nonlinear Systems	1998
40	ALPER GÜLERER	Low-Depth-Keeping Autopilot Design for Submarines	1999
41	H. HAKAN KIZILOCAK	Fuzzy Control of Liquid Container Transfer	1999
42	MEHMET DÜNDAR	Investigation of Adaptive Fuzzy Control Strategies for Nonlinear Plants	1999
43	ZEHRA KIVANÇ	Adaptive Fuzzy Controller of a Thermal System and an Induction Motor Using Existing PLCs	1999
44	HASİP BULUT	Control and Animation of A Three Link Robotic Arm Using Direct Kinematics and Inverse Kinematics Methods	2002
45	SERDAR BEBİŞ	3-D Segmentation of Medical Images Using Region Growing and Fuzzy C Means Clustering	2002

6.2. Doktora Tezleri

1	ENGİN YAZ	Stochastic adaptive receding horizon controllers	1982
2	İBRAHİM EKŞİN	Sensitivity Theory Application to the Numerical Solutions of the General Optimal Control Problem	1983
3	MUSTAFA AKTAR	Modern spectrum estimation	1983
4	EMİN ANARIM	Novel results on frequency estimation and statistical characterization of three spectral estimation techniques (eş danışman)	1985
5	MURAT ÜÇÜNCÜ	Investigation of different control strategies with variable structure controllers	1988
6	YAĞMUR DENİZHAN	A variable structure control algorithm for robotic systems and a learning scheme for load adaptation	1988
7	AHMET ADEMOĞLU	Analysis of average and single evoked potentials using damped sinusoids and wavelet based functions (BME eş danışman)	1995

8	FİGEN ÖZEN	Novel control strategies for flexible link manipulators	1996
9	NURDAN BEKİROĞLU	Adaptive sliding surface design for sliding mode control systems	1996
10	MEHMET ALPARSLAN PARLAKÇI	Robust variable structure controllers design for robot manipulators with parameter perturbations	2003
11	GÜLAY ÖKE	Application of Intelligent Approaches for the Tip Position Control of a Two-Link Flexible Manipulator	2004
12	MUSTAFA DOĞAN	Optimal nonlinear controller design for flexible robot manipulators	2006

7. Yayınlar

7. 1. SCI- SCI Expanded kapsamındaki dergilerde yayınlanan makaleler

Dogan, M., Y. Istefanopulos, “Optimal Nonlinear Controller Design for Flexible Robot Manipulators with Adaptive Internal Model”, IET Control Theory, Vol:1, no.8, pp.770-778, May 2007

Oke, G., Y. Istefanopulos, “End-effector Trajectory Control in a Two-Link Flexible Manipulator Through Reference Joint Angle Values Modification by Neural Networks”, Journal of Vibration and Control, 12(2), pp. 101-117, February 2006

Guclu, B., G.A. Gesheider; S.J. Bolanowski, Y. Istefanopulos, “ Population-response model for vibrotactile summation,” Somatosensory and Motor Research, 22(4), pp.239-253, December 2005

Jafarov, E.M., M.N.A. Parlakci, Y. Istefanopulos, " A New Variable Structure PID-Controller Design for Robot Manipulators", IEEE Transactions on Control Systems Technology, Vol. 13, No. 1, January 2005, pp. 122-130

Parlakci, M. N. A., E. M. Jafarov, Y.Istefanopulos, “ New Variable Structure PD-Controllers Design for Robot Manipulators with Parameter Perturbations”, International Journal of Robotics & Automation, Vol. 19, Issue 3, pp. 134-142, 2004

Soyer, C., H.I. Bozma, Y. Istefanopulos, “ Attentional Sequence –Based Recognition: Markovian and Evidential Reasoning”, IEEE Trans. On Systems, Man and Cybernetics- Part B: Cybernetics, Vol. 33, No. 6, pp. 937-950, December 2003.

Oke,G., İstefanopulos,Y, "Tip position control of a two-link flexible robot manipulator based on nonlinear deflection feedback, Chaos, Solitons and Fractals, Vol. 17, Iss. 2-3, p. 499-504, July 2003.

Demiralp, T., A. Ademođlu, Y. İstefanopulos, C. Bařar-Erođlu, E. Bařar, "Wavelet Analysis of Oddball P300", International Journal of Psychophysiology, Vol. 9, pp.221-227, 2001

Demiralp, T., A. Ademođlu, Y. İstefanopulos, H. Gölçür, "Analysis of event-related potentials (ERP) by damped sinusoids", Biological Cybernetics, 78, pp.487-493, June 1998

Bekirođlu,N., Y.İstefanopulos,"Comparative Evaluation of Model Reference Adaptive Approach in the Design of Linear and Nonlinear Switching Surfaces for Robotic Manipulators", International Journal of Intelligent Mechatronics, Design and Production, 17 January 1996.

Anarim, E., H. Uçar, Y. İstefanopulos, "Identification of Image and Blur Parameters in Frequency Domain Using EM Algorithm", IEEE Transactions on Image Processing, Vol.5, No. 1, pp. 159-164 , Jan. 1996

İstefanopulos, Y., "Control Education in Turkey". IEEE Control Systems, Vol. 16, No.2, pp. 47-51, April 1996.

Özen, F. and Y.İstefanopulos, "Trajectory Tracking and Vibration Suppression of a Single Link Flexible Manipulator Carrying an Unknown Payload", International Journal of Intelligent Mechatronics: Design and Production, Vol.1, No.4, pp.212-223, September 1995.

Dumlu, D., Y. İstefanopulos, "Design of an Adaptive Controller for Submersibles via Multimodel Gain Scheduling", Ocean Engineering, Vol.22, No.6, pp. 593-614, Elsevier Science, 1995.

Yemez, Y., Anarim, E., İstefanopulos, Y., "Causal and Semicausal AR Image Identification Using EM Algorithm", IEEE Transactions on Image Processing, pp. 523-528, October 1993.

Anarim, E., Y.İstefanopulos, "Statistical Analysis of Pisarenko Type Tone Frequency Estimator", Signal Processing, Vol. 24, pp. 291-298, September 1991

Brown D. , H. Hemami, Y. İstefanopulos, "On-Line Exploration of an Unknown Surface by a Robotic Probe", Journal of Robotic Systems, Vol.E6, No 5, pp. 521-543, October 1989

Sarpturk, S. Z., Y. İstefanopulos, O. Kaynak, "On the stability of Discrete-Time Sliding Mode Control Systems" IEEE Transactions on Automatic Control Vol. AC-32, No: 10, p. 930-932, October 1987.

Aktar, M., B. Sankur, Y. İstefanopulos, "Properties of the Maximum Likelihood and Pisarenko Spectral Estimates", Signal Processing, Elsevier Science Publishers B.V. (North Holland) Vol. 8 p. 401-413, 1985.

7. 2. Uluslararası hakemli dergilerde yayınlanan makaleler

Parlakci, M. N. A., E. M. Jafarov, Y.İstefanopulos, "Robust Relay and PD-Sliding Mode Controllers Design Methods for Robot Position Systems with Parameter Perturbations", WSEAS Transactions on Systems, Vol.2, No.3, pp.666-675, 2003.

Parlakci, M. N. A., E. M. Jafarov, Y. Istefanopulos, "Robust Position and Tracking Variable Structure PD-Controllers Design Methods for Robot Manipulators with Parameter perturbation", WSEAS Transactions on Systems, Vol.2, No.4, pp.786-795, 2003.

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler.

M. Dogan, Y. Istefanopulos, 'Optimal Nonlinear Control of Two-link Flexible Arm with Adaptive Internal Model', Proc. 44th IEEE Conference On Decision and Control, and the European Control Conference, Seville, Spain, 2005, pp. 771-776.

M. Dogan, Y. Istefanopulos, E.D. Diktas, 'Nonlinear Control of two-link Flexible Arm with Adaptive Internal Model', Proc. IEEE International Conference On Mechatronics, İstanbul, Turkey, June 2004, pp. 292-298.

Parlakci, M. N. A., E. M. Jafarov, Y. Istefanopulos, "Design of Robust PD-Sliding Mode Controller for Robot Position Systems with Parameter Perturbations", Proceedings of IFAC Automatic Systems for Building the Infrastructure in Developing Countries, İstanbul, 26-28 June, 2003.

Öke G, Istefanopulos Y., "Neural Network Based Trajectory Planning for Tip Tracking of a Two-Link Flexible Robot Manipulator," Conference Proceedings, MED'03 (11th Mediterranean Conference on Control and Automation), Rhodes, Greece, June 18-20, 2003

Istefanopulos Y., Parlakçı M.N.A., Jafarov E., "A new variable structure PID-controller for robot manipulators with parameter perturbations: an augmented sliding surface approach," International Federation of Automatic Control 15th IFAC World Congress, Barcelona, Spain, July 21-26, 2002

Istefanopulos Y., Jafarov E., Palakçı M.N.A., A new robust continuous sliding mode control for robot manipulators with parameter perturbations, American Control Conference- ACXC 2002, Anchorage, Alaska, USA, May 8-12, 2002

Oke, G., Y. Istefanopulos, "Gradient Descent Based Trajectory Planning for Regulation of a Two-Link Flexible Robotic Arm", 2001 IEEE/ASME international Conference on Advanced Intelligent Mechatronics(AIM'01) Proceedings, Vol. II, p. 948-952, Como, Italy, July 2001

Parlakçı M. N. A., Jafarov E., Istefanopulos Y., Belegradec O., "A novel design of robust relay-discontinuous sliding mode controller for robot manipulators with parameter perturbations", Proceedings of European Control Conference (ECC2001), 968-974, Porto, Portugal, 2001,

Istefanopulos Y., Jafarov E., Parlakçı M. N. A., "A new variable structure-PD controller for robot manipulators with parameter perturbations", *IASTED International Conference on Robotics and Applications (RA 2001)*, Clearwater, Florida, USA, 2001

Ciliz, M. K., Y. Istefanopulos, "Weight Sensitivity Analysis of Neural Network Based Manipulator Controllers", *Proceedings of the 2000 IEEE International Symposium on Intelligent Control*, pp.253-260, Patras, Greece, 17-19 July 2000

Soyer, C., H. I. Bozma, Y. Istefanopulos "A New Memory Model for Selective Perception Systems", Proceedings of the 2000 IEEE / RSJ International Conference on Robots and Systems, (IROS 2000), pp. 2304-2309, Takamatsu, Japan, 2000

Ademoglu, A., H.U. Aydin, B. Kucukemre, T. Demiralp, Y. Istefanopulos, "Localizing the Source of Early Gamma Components in Auditory Oddball Response", *Proceedings of the 21st Annual International Conference of the IEEE Engineering in Medicine and Biology Society*, pp.463, Atlanta, 13-16 October 1999

Ademoglu, A., H.U. Aydin, B. Kucukemre, T. Demiralp, Y. Istefanopulos, "Damped Sinusoids in Single Oddball Responses", *Proceedings of the 21st Annual International Conference of the IEEE Engineering in Medicine nad Biology Society*, pp.424, Atlanta, 13-16 October 1999

Demiralp, T., Y. Istefanopulos, A. Ademoğlu, V. Kolev, "Analysis of functional components of P300 by wavelet transform," *Proceedings of 20th Annual International Conference of the IEEE Engineering in Medicine and Biology Society*,p Hong Kong, 29 Oct.-1 Nov. 1998

Dimirovski, G.M., A.T.Dinibütün, Y.Istefanopulos "Modern Education in Control and Automation for Developing Countries", *Proceedings of 4th IFAC Symposium on Advances in Control Education*, pp.223-228, Istanbul, 14-16 July 1997

Soyer, Ç., H.I.Bozma, Y.Istefanopulos, "A mobile robot with a biologically motivated vision system" *Proceeding of the 1996 IEEE-RSJ International Conference on Intelligent robots and system*, pp.680-687, 4-8 November 1996, Osaka, Japan.

Bekiroğlu, N., Y. Istefanopulos, "An Adaptive Sliding Mode Control Algorithm with Updated Switching Surface Parameters for Robotic Manipulators",*Proceedings ISRAM'96 of Second World Automation Congress*, Vol.6, pp.75-80, Montpellier, France, 27-30 May 1996.

Özen F., Y. Istefanopulos, "A New Strategy for Flexible Link Manipulator Control and Payload Estimation", *Proceedngs of IFAC Workshop on Motion Control*, 9-11 October 1995, Munich Germany, pp.680-687, October 1995.

Meylani, R., S. Sezen, A. Ertüzün, Y. Istefanopulos, "LMS and Gradient Based Adaptation Algorithms For the Eight-Parameter 2D Lattice Filter", *Proceedings of European Conference on Circuit Theory and Design*, Istanbul, Turkey, pp. 741-744, 27-31 August 1995

Bekiroğlu, N., H.I.Bozma, Y. Istefanopulos, "Model Reference Adaptive Approach to Sliding Mode Control", *Proceedings of American Control Conference*, Vol.1, pp.1028-1032, Seattle, Washington, 21-23, June 1995.

Anarim, E., H. Uçar, Y. Istefanopulos, "Image Restoration in Frequency Domain Using the EM Algorithm",*Proceedings of 7th Mediterranean Electrotechnical Conference*, pp. 246-249, Antalya, 1994

Yemez, Y., Anarim E., Istefanopulos, Y., "Restoration and Identification of Images in DFT Domain Using EM Algorithm", *Proceedings of European Conf. on Circuit Theory and Design*, pp.833-836, Elsevier, Davos, August 1993.

Ademoglu, A., E. M. Tzanakou, Y. Istefanopulos, "Analysis of Pattern Reversal Visual Evoked Potentials in Alzheimer's Disease by Spline Wavelets", 15th Annual Intern. Conf. of the IEEE Engineering in Medicine and Biology Society, pp. 320-321, New Jersey, 1993.

Istefanopulos, Y., Ciliz, K., Celasun, I., "Signal classification and 3-D object recognition by variational approach using third order moments and neural network implementations", *Proceedings of the Canadian Conference on Electrical and Computer Engineering*, Toronto, 1992

Bekiroglu, N., Istefanopulos, Y., "Comparison of self-organizing fuzzy control with generalized predictive control for robotic manipulators", *Proceedings of the IFAC Workshop on Automatic Control for Quality and productivity*, 695-707, Istanbul, 1992.

Istefanopulos, Y., B.Sankur, I.Celasun, O.Toker "Variational Approach to Pattern Recognition Using Third Order Moments", *Proceedings of International Signal Processing Workshop on Higher Order Statistics*, Chamrousse, France, July 10-12, 1991 pp. 203-206.

Istefanopulos, Y., B.Sankur, I.Celasun, O.Toker "Variational Approach to Pattern Recognition Using Higher Order Statistics", *Proceedings of The IEEE/ProRISC Symposium on Circuits, Systems and Signal Processing*, Veldhoven, The Netherlands, April 1991, pp.125-134.

Eksin, I., Istefanopulos, Y., M.A.Eyler, "Aposteriori Polynomial Fitting Method For the General Optimal Control Problem", *Proc. of the IEEE International Workshop on Intelligent Motion Control*, Istanbul 20-22 August 1990, V.II., p.761-764.

Anarim, E., Istefanopulos, Y., "Perturbation analysis of the Pisarenko Harmonic Decomposition Method for Tone Frequency Estimation Problem", *International Conference on New Trends in Comm. Contr. and Signal Processing*, Bilkent University, Ankara, Turkey,1990.

Anarim, E., Y. Istefanopulos, "Tone Frequency Estimation and Detection Capability of the Pisarenko Technique", *Proceedings AMSE International Conference on Modelling and Simulation*, AMSE Press, Vol 1C, p. 257-266. Istanbul, June 29-July 1, 1988.

Denizhan, Y., Y. Istefanopulos, "An Adaptive Control Algorithm Achieving Fast Error Reduction Without Overshoot in Trajectory Tracking Robotic Systems", *Proceedings AMSE International Conference on Modelling and Simulation*, AMSE Press Vol.3B, p. 123-138. Istanbul, June 29-July 1, 1988

Ucuncu, M., Y. Istefanopulos, "Model Matching Variable Structure Systems with Sliding Mode Controllers Applied to Decentralized Control Systems" *Proceedings AMSE International Conference on Modelling and Simulation*, , AMSE Press., Vol 1B, p.167-180, Istanbul June 29 July 1,1988

Ucuncu, M., Y. Istefanopulos, "Minimization of the Switching Hyperplane by Using Variable Structure Theory" *Proceedings of IFAC Symp. on Microcomputer Application in Process Control*. p. 56-59, Istanbul, July 1986.

Aktar, M., B. Sankur, Y. Istefanopulos, "Maximum Likelihood and Bartlett Estimates" *Proceedings ICASSP-84, Int. Conf. on Acoustic, Speech and Signal Processing*, p. 13.10.1-13.10.5, March 1984.

Eyler, A., I. Eksin, Y. Istefanopulos, "Sensitivity Approach to the Solution of Two Point Boundary Value Problems", *Proceedings MELECON' 83, Mediterranean Electro-technical Conference*, Vol. II, Paper C7.02, Athens, Greece, May 1983.

Istefanopulos, Y., N. Tugbay, "Evaluation of Adaptive Equalization Algorithms" *Proceedings MELECON' 83, Mediterranean Electrotechnical Conference*, Vol. I. Paper B9.05, May 1983.

7.4. Yazılan uluslararası kitaplar veya kitaplarda bölümler

- Istefanopulos, Y., "Impacts of Information and Communication Systems in Developing Countries." Debons, A (editor) *Information Science in Action: System Design*, Vol.II. Martinus. Nijhoff publishers, The Hague, p. 611-619, 1983.
- Yaz, E., Y.Istefanopulos, "Adaptive Receding Horizon Controllers for Discrete Stochastic Systems". R.S. Bucy and J.M.F. Moura (eds) *Nonlinear Stochastic Problems*, D.Reidel publishing Company, p. 217-228, 1983.
- Istefanopulos, Y., M. Aktar, "Reliability of the Pisarenko Line Spectral Estimate", *Digital Signal Processing-84*, Capellini and Constantinides (Eds.) Elsevier Science Publishers B.V. (North Holland), p. 135-139, 1984.

- Gencer, S., Kaynak, O., İstefanopulos, Y., "Internal Model Control of a Robotic Manipulator", Communication, Control, Signal Processing, Ed. Erdal Arıkan, Elsevier Publisher, Vol. 1, pp. 758-764 ., 1990.
- İstefanopulos, Y., Casagrande, L., "Automatic Determination of Quasi-time Optimal Joint Trajectories and Adaptive Control for a Robot Arm", Expert Systems and Robotics, NATO ASI (15-27 July 1990), Springer Verlag Series F, Vol. 71, pp. 487-514, 1991

7.5. Ulusal hakemli dergilerde yayımlanan makaleler

İstefanopulos, Y., " Biomedical Engineering: A New Interdisciplinary Scientific Field ", Popular Science, No: 68, pp 54-56, July 1999 (in Turkish)

7.6. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

Parlakçı M.N.A., İstefanopulos Y., Jafarov E., "Değişken yapılı gürbüz pd-robot kontrol sistem tasarım yöntemi", TOK 2002 Bildiriler Kitabı, 2002, 517-525.

Parlakçı M.N.A., İstefanopulos Y., Jafarov E., Gürbüz kayma kipli yeni bir robot denetleyicisi tasarımı, GAP IV. Mühendislik Kongresi Bildiriler Kitabı, 2002, 622-629.

Öke G., İstefanopulos Y., " Esnek Robot Kolunun Kinematik ve Ters Kinematığının Yapay Sinir Ağları ile Tanılanması" Otomatik Kontrol Ulusal Toplantısı TOK2002 Bildiriler Kitabı, s.477-486., 9-11 Eylül 2002 ODTÜ ,Ankara

Öke G., İstefanopulos Y., "Esnek Robot Kolunun Noktasal Konum Denetiminde Eğitim Düşümü ile Yörünge Planlaması" Otomatik Kontrol Ulusal Toplantısı TOK2001 Bildiriler Kitabı, s.131-136, Ekim 2001, Bursa

Kıvanç, Z., Y. İstefanopulos, "Adaptive Fuzzy Speed Control of Asynchronous Motors Using Existing Programmable Logic Controllers" *Proceedings of TOK 2000 National Automatic Control Conference*, pp. 24-28, Ankara 21-22 September 2000 (in Turkish)

Öke, G., Y. İstefanopulos, "Tip Control of a Two-Link Flexible Control Arm" *Proceedings of TOK 2000 National Automatic Control Conference*, pp. 90-97, Ankara 21-22 September 2000 (in Turkish)

Parlakçı, A. M. N., E.M.Caferli, Y. İstefanopulos, "Design of Robust PD Discontinuous Sliding Mode Controllers for Robot Manipulators with Uncertain Parameters", *Proceedings of TOK 2000 National Automatic Control Conference*, pp. 187-196, Ankara 21-22 September 2000 (in Turkish)

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Bekiroğlu, N., Y. Istefanopulos, "Application of Model Reference Adaptive Control to Robot Arms", *Proceedings of National Industrial Automation Symposium* , pp. 259-270, Istanbul, Turkey 30-31 March 1995. (In Turkish).

Ozen, F., Istefanopulos, Y., "Modelling and Control of Flexible Robot Arms", *Proceedings of National Automatic Control Conference*, p. 33-42, April 1994. (in Turkish).

Imeryuz, M., Istefanopulos, Y., "Application of Second Order Sliding Mode Control to Trajectory Tracking Problems", *Proc. of National Automatic Control Conference*, p. 261-270, April 1994. (in Turkish).

Dumlu, D., Istefanopulos, Y., "Design of Adaptive Autopilot for Submarines Using Gain Sheduling", *Proceedings of National Automatic Control Conference*, p. 347-356, April 1994. (in Turkish).

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Celasun, I., Ciliz, K., Istefanopulos, Y., "A neural network application to pattern recognition using different noise removal approaches and morphological transformations", *Proceedings of I. National Symposium on Artificial Intelligence and Neural Networks*, 259-266, Ankara, 1992. (in Turkish).

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Istefanopulos, Y., S. Z. Sarpturk: "A New Predictive-Adaptive Digital Control Method", *T.O.K. Proceedings of 4. National Automatic Control Symposium*, p. 156-168, Istanbul, November 1987 (in Turkish).

Ucuncu, M., Y. Istefanopulos: "Model Following and Adaptation through Sliding Mode Variable Structure Systems", *Proceedings 2. National Electrical Engineering Symposium*, p. 489-492, M.E.T.U., Ankara 23-25 September 1987 (in Turkish).

Istefanopulos, Y., G. Mercanköşk, A. Eyler, "Solution of the General Two-Point Boundary-Value Problems in Optimal Control by Sensitivity Methods", *T.O.K. Proceedings of 2. National Automatic Control Symposium*, p. 89-98, 1983 (in Turkish).

Istefanopulos, Y., "Adaptive Control :Theory and Applications",Istanbul Technical University *Proceedings of Symposium on Electrical and Electronic Industry in Turkey* in 1983, Vol. 3 p.113-128 October 1983 (in Turkish).

Istefanopulos, Y., M. Aktar, "Statistical Properties of the Pisarenko Frequency Estimate", Istanbul Technical University, *Proceedings of Symposium on Electrical and Electronic Industry in Turkey* 1983, Vol.3, p.129-138, October 1983 (in Turkish)

Istefanopulos, Y., I. Eksin, A. Eycler, "A New Numerical Solution for the General Optimal Control Problem", Istanbul Technical University, *Proceedings of Symposium on Electrical and Electronic Industry in Turkey* in 1983, Vol. 3, p.139-146, October 1983. (in Turkish).

Istefanopulos, Y., I. Eksin, "Fuzzy Sets, Fuzzy Algorithms and Control Applications", *Proceedings of VIII. National Operations Research Conf.*, June 1983 (in Turkish)

Istefanopulos, Y., "Adaptive Receding Horizon Control for Discrete-time Uncertain Systems" T.O.K. *Proceedings of 1. National Automatic Control Symposium*, Istanbul Technical University Press. p. 189-196, 1982 (in Turkish)

Istefanopulos, Y., M. Zeytinoglu, "Linear Output Feedback Control for Multiple Input Systems", *Proceedings of VII. National Operations Research Conf.*, Istanbul, 1981 (in Turkish)

Istefanopulos, Y., "Optimum Instantaneous Output Feedback Controllers", *Proceedings of VII. National Operations Research Conf.*, Istanbul, 1981 (in Turkish)

Istefanopulos, Y., F. Burhanoglu, "A Package Program for the Numerical Solution of Matrix Riccati Equations" *Proceedings of Turkish Automatic Control Conference*, Istanbul Technical University, 1980 (in Turkish)

Saridereli, M., Y. Istefanopulos, B. Sankur, "A New Canonical Form Representation for Linear Systems", *Proceedings of VII. TUBITAK Symposium*, p. 821-829, 1980 (in Turkish)

Istefanopulos, Y., O. Ayzan, "Design of Optimum Sampled-Data Linear Controller" *Proceedings of VII. TUBITAK Symposium*, p. 483-492, 1980 (in Turkish)

Istefanopulos, Y., D. Cansever, "Full Information Parameter Identification Method", *V. National Operations Research Symposium Proceedings*, 1979 (in Turkish)

Yarman, F., Y. Istefanopulos, et. al., "Identification of the Transfer Function of TR-1 Reactor and Stability Analysis" *Proceedings of VI. TUBITAK Symposium*, p. 643-666, 1977 (in Turkish)

7.7. Diğer yayınlar

8. Projeler

- MathInd- Mathematics for Industry (2001-2003), European Commission FP5
- Control of Aerodynamically Driven Missiles (1998-2000), Boğaziçi Ü., BAP
- Selective Perception of Orthonormally Viewed Objects (1997-1998), Boğaziçi Ü., BAP
- A Mobile Robot Prototype Based on Selective Perception (1996-1997), B. Ü., Araştırma Fonu
- Visual Servoing Based on Selective Attention (1995-1996), B. Ü., Araştırma Fonu
- DPT Proje No 94K120548- Akıllı Sistemler Araştırma ve Geliştirme, B.Ü. (1994-1997)
- Identification of Earth Layers by Higher Order Statistics (1993-1995), B. Ü., Araştırma Fonu

- Robotic Research Project (1991-1993), B. Ü., Araştırma Fonu

9. İdari Görevler, Akademik ve Mesleki Deneyim

9.1. İdari Görevler

TARİH	KURUM/KURULUŞ	GÖREV
1982-1994	Boğaziçi Üniversitesi	Biyomedikal Mühendisliği Enstitüsü Müdür Yardımcısı
1985-2005	Boğaziçi Üniversitesi	FBE Sistem ve Kontrol Mühendisliği Anabilim Dalı Başkanı
1982-1992	Boğaziçi Üniversitesi	Elektrik-Elektronik Mühendisliği Bölüm Başkan Yardımcısı.
1992-1998	Boğaziçi Üniversitesi	Elektrik-Elektronik Mühendisliği Bölümü Başkanı
1994-2005	Boğaziçi Üniversitesi	Biyomedikal Mühendisliği Enstitüsü Müdürü
2005-Kasım 2012	Isık Üniversitesi	Mühendislik Fakültesi Dekanı
Kasım 2012-	Isık Üniversitesi	Rektör Danışmanı
Nisan 2015-	Isık Üniversitesi	Mimarlık ve Tasarım Fakültesi Dekan V.

9.2. Akademik ve Mesleki Deneyim

GÖREV DÖNEMİ	ÜNVAN	KURUM/KURULUŞ	BÖLÜM
1969-1972	Araş. Gör.	MIT	Elektrik-Elektronik Mühendisliği
1972-1981	Yrd.Doç. Dr	Boğaziçi Üniversitesi	Elektrik-Elektronik Mühendisliği
1982-1988	Doç. Dr	Boğaziçi Üniversitesi	Elektrik-Elektronik Mühendisliği
1985-1986	Konuk Doç.	Ohio State University	Elektrik-Elektronik Mühendisliği
1988-2005	Prof. Dr.	Boğaziçi Üniversitesi	Elektrik-Elektronik Mühendisliği
2005-	Prof. Dr.	Isık Üniversitesi	Elektrik-Elektronik Mühendisliği

10. Bilimsel Kuruluşlara Üyelikler

- IEEE Engineering in Medicine and Biology Society, member
- IFAC, TOK- Otomatik Kontrol Türk Milli Komitesi Başkan Yardımcısı

11. Ödüller

- Albert Long Ödülü: Okul Birincisi, Robert College Yüksek Okulu. 1967
- Fulbright Fellowship 1967-1968
- MIT Green Fellowship 1968-1969
- MIT Öğretim/ Araştırma Görevlisi 1969-1972
- En Sevilen Öğretim Üyesi Ödülü, Boğaziçi Üniversitesi 1991
- Eğitimde Üstün Başarı Ödülü, Boğaziçi Üniversitesi 2003

- Eğitimde Üstün Başarı Ödülü, Boğaziçi Üniversitesi 2004
- En Beğenilen Akademisyen Ödülü, Işık Üniv. 2007, 2008, 2009, 2010, 2011

12. Son iki yılda verilen lisans ve lisansüstü düzeydeki dersler

İdari görevlerden dolayı ders yükü yoktur.

13. Diğer akademik ve bilimsel faaliyetler

Uluslararası ve Ulusal Konferans Düzenlemesi

- Genel Başkan, ICTPE 2013; 9-11 Eylül 2013, Şile, İstanbul
- Genel Başkan, IEEE-EMBS 2001; 25-28 Ekim 2001, İstanbul,
- Genel Başkan, IEEE- ISIC ,Temmuz 1997, İstanbul,
- Genel Eş-Başkan IFAC- ACE, Temmuz 1997, İstanbul
- Genel Eş-Başkan, Biyomedikal Mühendisliği Ulusal Toplantısı BİYOMUT (1994 - 2005 her yıl)
- Genel Eş-Başkan ya da Düzenleme Kurulu üyesi; Otomatik Kontrol Ulusal Toplantısı – TOK (1994 yılından bu yana her yıl)

13.1. Hakemlik yaptığı SCI-Expanded kapsamındaki dergiler

IET Control Theory
IET Control Theory & Applications
IEEE Systems Man and Cybernetics