

Curriculum Vitae

Engin Yesil, Assoc. Prof. Dr.

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PERSONAL INFORMATION

Birth Year 1975
Country of Origin Turkey

BUSINESS EXPERIENCE

2018 – present	CEO (Geschäftsführer)	GTRN GmbH (Germany)
2018 – present	Chief Business Officer	Getron
2015 – 2018	Chief Data Officer	Getron Bilisim Hizmetleri A.S.
2012 – 2015	Head of R&D Department	Getron Bilisim Hizmetleri A.S.
2014 – 2018	Prof. Dr. (Guest)	Dresden University of Technology (Germany) Process Systems and Control Engineering
2011 – 2014 Summer Semesters	Erasmus Visiting Professor	Dresden University of Technology, Process Systems and Control Systems Engineering (Germany)
2010 – 2015	Asst. Prof. Dr.	Istanbul Technical University Electrical & Electronics Engineering Faculty Control and Automation Engineering Department
1998 – 2010	Research & Teaching Assistant	Istanbul Technical University Electrical & Electronics Engineering Faculty Control Engineering Department

EDUCATION

2009 – 2010	PostDoc	Dresden University of Technology	Process Systems and Control Engineering
2000 – 2008	Ph.D.	Istanbul Technical University	Control & Automation Engineering
1998 – 2000	M.Sc.	Istanbul Technical University	Control & Computer Engineering
1993 – 1998	B.S.	Istanbul Technical University	Electrical Engineering

PROJECTS

1. A cloud-based predictive Intelligence platform for retail (2015-2016)
 - Founded by TUBITAK (Project No: 9150099)
 - Principal Investigator: GETRON Bilisim Hizmetleri A.S.
2. Development of System That Has A Fuzzy Logic Based Demand Forecasting and A Heuristic Approach Based Location Based Routing for High Inventory Turnover Sectors (2014)
 - Founded by TUBITAK (Project No: 7131341)
 - Principal Investigators: GETRON Bilisim Hizmetleri A.S. & LA Software
3. Estimating Stock Transactions Using Fuzzy Cognitive Maps and Investor-Based Modeling System (2012-2014)
 - Founded by TUBITAK (Project No: 7120842)
 - Principal Investigator: GETRON Bilisim Hizmetleri A.S.
4. Apparel Demand Forecasting and Planning Of The First Order (2011-2013)
 - Founded by TUBITAK (Project No: 7110387)
 - Principal Investigator: GETRON Bilisim Hizmetleri A.S.
5. Smart Uniform Stock Transfer Project (2010-2012)
 - Founded by TUBITAK (Project No: 7100373)
 - Principal Investigator: GETRON Bilisim Hizmetleri A.S.
6. Online Self-Tuning Type-2 Fuzzy Controller Design Strategies and Applications (2013-2015)
 - Founded by TUBITAK (Project No: 113E206)
 - Principal Investigator: Asst. Prof. Dr. Engin Yesil, Istanbul Technical University
7. Design of Fuzzy Cognitive Maps Using Type-1 Fuzzy Sets (2013-2014)
 - Funded by DAAD (Deutscher Akademischer Austausch-Dienst)
 - Principal Investigator: Asst. Prof. Dr. Engin Yesil, Istanbul Technical University
8. Big Bang - Big Crunch Optimization Based Learning of Fuzzy Cognitive Maps (2010)
 - Founded by DAAD (Deutscher Akademischer Austausch-Dienst)
 - Principal Investigator: Asst. Prof. Dr. Engin Yesil, Istanbul Technical University

RESEARCH & ACADEMIC ACTIVITIES

1. Associate Editor of IEEE Transactions on Fuzzy System (IEEE TFS)
2. Associate Editor of Turkish Journal of Electrical Engineering & Computer Sciences (TJEEEC)
3. IEEE Senior Member (since 2015)
4. Reviewer of 45+ international journals
5. Technical Committee member of several international conferences
6. Fuzz-IEEE Special Session organizations (2014 - 2018): Methods and Applications of Fuzzy Cognitive Maps
7. Teachings:
 - Fuzzy Modeling and Control (TU Dresden, in English)
 - Control Systems (Istanbul Technical University, in English)
 - Introduction to Identification (Istanbul Technical University, in English)
 - Intelligent Control Systems (Istanbul Technical University, in English)
 - Process Control (Istanbul Technical University, in English & in Turkish)
 - Fuzzy Modeling and Control (Istanbul Technical University, in Turkish)
 - Sustainable Process Design and Operation (TU Dresden, in English)

LANGUAGE SKILLS

	Reading	Writing	Conversation
▪ Turkish	Native	Native	Native
▪ English	Advanced	Advanced	Advanced
▪ German	Intermediate	Intermediate	Intermediate

PUBLICATIONS

A. Journal Papers

1. Hatwagner M.F., Yesil E., Dodurka F., Papageorgiou E.I., Urbas L., Koczy L.T., 2018. Two-Stage Learning based Fuzzy Cognitive Maps Reduction Approach, *IEEE Transactions on Fuzzy Systems* 26 (5), 2938 – 2952.
2. Kumbasar T., Eksin I., Guzelkaya M., Yesil E., 2017. An inverse controller design method for interval type-2 fuzzy models, *Soft Computing* 21 (10), 2665-2686.
3. Dodurka M.F., Yesil E., Urbas L., 2017. Causal effect analysis for fuzzy cognitive maps designed with non-singleton fuzzy numbers, *Neurocomputing* 232, 122-132.
4. Kabaoglu R. O., Eksin I., Yesil E., Guzelkaya M., 2015. An active fault tolerant control method based on support vector machines, *Journal of Intelligent & Fuzzy Systems*, 29 (5), 1761-1768.
5. Yesil E., 2014. Interval type-2 fuzzy PID load frequency controller using Big Bang–Big Crunch optimization, *Applied Soft Computing*, 15, 100–112.
6. Kumbasar, T., Eksin, I., Guzelkaya, M., Yesil, E., 2013. Exact Inversion of Decomposable Interval Type-2 Fuzzy Logic Systems, *International Journal of Approximate Reasoning*, 54 (2), 253-272.
7. Karasakal, O., Guzelkaya, M., Eksin I., Yesil, E., Kumbasar, T., 2013. Online tuning of fuzzy PID controllers via rule weighing based on normalized acceleration. *Engineering Applications of Artificial Intelligence*, 26 (1), 184–197.
8. Kumbasar T., Eksin I., Guzelkaya M., Yesil E., 2012. Type-2 Fuzzy Model Based Controller Design for Neutralization Processes, *ISA Transactions*, 51 (2), 277–287.
9. Kumbasar T., Eksin I., Guzelkaya M., Yesil E., 2011. Interval type-2 fuzzy inverse controller design in nonlinear IMC structure, *Engineering Applications of Artificial Intelligence*, 24 (6), 996 – 1005.
10. Kumbasar T., Eksin I., Guzelkaya M., Yesil E., 2011. Adaptive fuzzy model based inverse controller design using BB-BC optimization algorithm, *Expert Systems with Applications*, 38 (10), 12356-12364.
11. Karasakal O., Guzelkaya M., Eksin I., Yesil E., 2011. An error-based on-line rule weight adjustment method for fuzzy PID controllers, *Expert Systems with Applications*, 38 (8), 10124-10132.
12. Yesil E., Urbas L., 2010. Big Bang – Big Crunch Learning Method for Fuzzy Cognitive Maps, *World Academy of Science, Engineering & Technology*, 47, 816-825.
13. Genç H. M., Yesil E., Eksin I., Guzelkaya M., Tekin O. A., 2009. A rule base modification scheme in fuzzy controllers for time delay systems, *Expert Systems with Applications*, 36 (4), 8476-8486.
14. Yesil E., Guzelkaya M., 2009. Harmanlama mekanizmasına dayalı referans değer ayarlayıcı, *İTÜ Dergisi, Seri D*, 8 (5), 91-102. (in Turkish)
15. Yesil E., Guzelkaya M., Eksin I., Tekin O. A., 2008. Set-point regulator with blending mechanism, *International Journal of Instrumentation Science & Technology*, 36 (1), 1-17.
16. Yesil E., Guzelkaya M., Eksin I., Tekin O. A., 2008. Online tuning of set-point regulator with a blending mechanism using PI controller, *Turkish Journal of Electrical Engineering & Computer Sciences*, 16 (2), 143-156.
17. Kumbasar T., Eksin I., Guzelkaya M., Yesil E., 2008. Big Bang Big Crunch Optimization Method Based Fuzzy Model Inversion, *MICAI 2008: Advances in Artificial Intelligence - Lecture Notes in Computer Science*, 5317, 732-740.
18. Yesil E., Guzelkaya M., Eksin I., Tekin O. A., 2007. Cross-coupled ratio control structure, *International Journal of Instrumentation Science & Technology*, 35 (5), 523-536.
19. Karasakal O., Yesil E., Guzelkaya M., Eksin I., 2005. Implementation of a new self-tuning fuzzy PID controller on PLC, *Turkish Journal of Electrical Engineering & Computer Sciences*, 13 (2), 277-286.
20. Demiroren A., Yesil E., 2004. Automatic generation control with fuzzy logic controllers in the power system including SMES units, *International Journal of Electrical Power & Energy Systems*, 26 (4), 291-305.
21. Yesil E., Guzelkaya M., Eksin I., 2004. Self-tuning fuzzy PID-type load-frequency controller. *Energy Conversion and Management*, 45 (3), 377-390.
22. Karasakal O., Yesil E., Guzelkaya M., Eksin I., 2004. A PLC implementation of fuzzy PID-type controller with a function tuner based self-tuning, *Journal of Naval Science and Engineering*, 2 (1), 41-50.
23. Guzelkaya M., Eksin I., Yesil E., 2003. Self-tuning of PID-type fuzzy logic controller coefficients via relative rate observer, *Engineering Applications of Artificial Intelligence*, 16, 227-236.

B. Book Chapters

1. Yesil E., Urbas L., A. Demirsoy A., 2014. FCM-GUI: A graphical user interface for Big Bang-Big Crunch Learning of FCM, *Fuzzy Cognitive maps for Applied Sciences and Engineering - From fundamentals to extensions and learning algorithms*, Elpiniki Papageorgiou, Ed., Springer.
2. Kaya M., Yesil E., Dodurka M.F., Siradag S., 2014. Fuzzy forecast combiner design for fast fashion demand forecasting, *Intelligent Fashion Forecasting Systems: Models and Applications*, Tsan-Ming Choi, Ed. Springer.

C. Conference Papers

1. Dodurka M.F., Yesil E., Urbas L., 2016. Analysis of fuzzy cognitive maps from ambiguity and fuzziness perspective, 17th IEEE International Symposium on Computational Intelligence and Informatics (CINTI2016), Budapest, Hungary.
2. Dodurka M.F., Sahin A., Yesil E., Urbas L., 2015. Learning of FCMs with Causal Links Represented via Fuzzy Triangular Numbers, IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2015), Istanbul, Turkey.
3. Sahin A., Kumbasar T., Yesil E., Dodurka M.F., Karasakal O., Siradag S., 2015. An Enhanced Fuzzy Linguistic Term Generation and Representation for Time Series Forecasting, IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2015), Istanbul, Turkey.
4. Var A., Kumbasar T., Yesil E., 2015. An Internal Model Control Based Design Method for Single Input Fuzzy PID Controllers, IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2015), Istanbul, Turkey.
5. Sahin A., Dodurka M.F., Kumbasar T., Yesil E., Siradag S., 2015. Review Study on Fuzzy Time Series and Their Applications in the Last Fifteen Years, 4th International Fuzzy Systems Symposium (FUZZYSS'15), Istanbul, Turkey.
6. Dodurka M.F., Sahin A., Kumbasar T., Yesil E., Siradag S., 2015. A Systematic Type-2 Fuzzy Modelling Methodology for Time Series Forecasting, 4th International Fuzzy Systems Symposium (FUZZYSS'15), Istanbul, Turkey.
7. Savran A.I., Beke A., Kumbasar T., Yesil E., 2015. An IMC based Fuzzy Self-Tuning Mechanism for Fuzzy PID Controllers, International Symposium on INnovations in Intelligent SysTems and Applications (INISTA2015), Madrid, Spain.
8. Savran A.I., Musaoğlu E., Yildiz C., Yuce M.F., Yesil E., 2015. Extended Heuristic Bubble Algorithm for the Pickup and Delivery Problem with Time Windows, 2015 IEEE 13th International Symposium on Applied Machine Intelligence and Informatics (SAMi 2015), Herl'any, Slovakia.
9. Savran A.I., Beke A., Kumbasar T., Yesil E., 2015. Ekstruder Süreçleri için İMK Tabanlı Bulanık Kazanç Ayarlama Mekanizmalı PID Kontrolör Tasarımı, Otomatik Kontrol Ulusal Toplantısı - TOK 2015, Denizli. (in Turkish)
10. Dodurka M.F., Sakallı A., Beke A., Savran A.I., Sahin A., Kumbasar T., Yesil E., Hagraş H., 2015. Tip-2 Bulanık PID Kontrolörleri için Yeni Bir Çevrimiçi Öz-Ayarlama Yaklaşımı, Otomatik Kontrol Ulusal Toplantısı - TOK 2015, Denizli. (in Turkish)
11. Yesil E., Kumbasar T., Dodurka M.F., Sakallı A., 2014. Peak Observer Based Self-tuning of Type-2 Fuzzy PID Controllers, The Artificial Intelligence Applications and Innovations Conference (AIAI 2014), Rhodes Island, Greece.
12. Yesil E., Guzay C., 2014. A Self-tuning Fuzzy PID Controller Design Using Gamma Aggregation Operator, IEEE World Congress on Computational Intelligence - WCCI 2014, Beijing, China.
13. Yesil E., Dodurka M.F., Urbas L., 2014. Triangular Fuzzy Number Representation of Relations in Fuzzy Cognitive Maps, IEEE World Congress on Computational Intelligence - WCCI 2014, Beijing, China.
14. Kumbasar T., Ozturk C., Yesil E., Hagraş H., 2014. Performance Evaluation of Interval Type-2 and Online Rule weighing based Type-1 Fuzzy PID Controllers on a pH Process, IEEE World Congress on Computational Intelligence - WCCI 2014, Beijing, China.
15. Dodurka M.F., Kumbasar T., Sakallı A., Yesil E., 2014. Boundary Function based Karnik- Mendel Type Reduction Method for Interval Type-2 Fuzzy PID Controllers, IEEE World Congress on Computational Intelligence - WCCI 2014, Beijing, China.
16. Sakallı A., Kumbasar T., Dodurka M.F., Yesil E., 2014. The Simplest Interval Type-2 Fuzzy PID Controller: Structural Analysis, IEEE World Congress on Computational Intelligence - WCCI 2014, Beijing, China.
17. Sakallı A., Kumbasar T., Yesil E., Hagraş H., 2014. Analysis of the Performances of Type-1, Self-Tuning Type-1 and Interval Type-2 Fuzzy PID Controllers on the Magnetic Levitation System, IEEE World Congress on Computational Intelligence - WCCI 2014, Beijing, China.
18. Yesil E., Savran A.I., Guzay C., 2014. Load Frequency Controller Design Using New Big Bang - Big Crunch 2 Algorithm, International Symposium on INnovations in Intelligent SysTems and Applications (INISTA2014), Alberobello, Italy.
19. Savran A.I., Musaoğlu E., Yuce M.F., Yesil E., 2014. RouteArt: A New Framework for Vehicle Routing Problem with Pickup and Delivery using Heuristic Bubble Algorithm, 15th IEEE International Symposium on Computational Intelligence and Informatics (CINTI2014), Budapest, Hungary.
20. Sahin A., Kumbasar T., Yesil E., Dodurka M.F., Karasakal O., 2014. An Approach to Represent Time Series Forecasting via Fuzzy Numbers, 2nd International Conference on Artificial Intelligence, Modelling and Simulation (AIMS2014), Madrid, Spain.
21. Çelik M.K., Yesil E., Kumbasar T., 2014. Bir ve İki Serbestlik Dereceli PID Kontrolörleri için Ayar Yöntemleri ve Esnek Bir Kullanıcı Arayüz Tasarımı, Otomatik Kontrol Ulusal Toplantısı - TOK 2014, Kocaeli. (in Turkish)
22. Yaman S., Ersöz A., Yesil E., Üstoğlu İ., 2014. Yankı Durumu Ağları ile Zaman Serilerinin Modellenmesi, Otomatik Kontrol Ulusal Toplantısı - TOK 2014, Kocaeli. (in Turkish)

23. Akinci H.M., Yesil E., 2013. Emotion Modeling Using Fuzzy Cognitive Maps, 14th IEEE International Symposium on Computational Intelligence and Informatics (CINTI2013), Budapest, Hungary.
24. Yesil E., Onol A.O., Icke A., Atabay O., 2013. Strategy Optimization of a Solar Car for a Long-distance Race using Big Bang-Big Crunch Optimization, 14th IEEE International Symposium on Computational Intelligence and Informatics (CINTI2013), Budapest, Hungary.
25. Sakalli A., Yesil E., Musaoglu E., Ozturk C., Dodurka M.F., 2013. Heuristic Bubble Algorithm for a Linehaul Routing Problem: An Extension of a Vehicle Routing Problem with Pickup and Delivery, 14th IEEE International Symposium on Computational Intelligence and Informatics (CINTI2013), Budapest, Hungary.
26. Yesil E., Ozturk C., Dodurka M.F., Sahin A., 2013. Control Engineering Education Critical Success Factors Modeling via Fuzzy Cognitive Maps, 12th Information Technology Based Higher Education and Training (ITHET 2013), Antalya, Turkey.
27. Dodurka M.F., Yesil E., Ozturk C., Sakalli A., Guzay C., 2013. Concept by Concept Learning of Fuzzy Cognitive Maps, The Artificial Intelligence Applications and Innovations Conference (AIAI 2013), Paphos, Cyprus.
28. Yesil E., Dodurka M.F., Sakalli A., Ozturk C., Guzay C., 2013. Self-Tuning PI Controllers via Fuzzy Cognitive Maps, The Artificial Intelligence Applications and Innovations Conference (AIAI 2013), Paphos, Cyprus.
29. Kumbasar T., Yesil E., Karasakal O., 2013. Self-tuning Interval Type-2 Fuzzy PID Controllers Based on Online Rule Weighting, IEEE International Conference on Fuzzy Systems (FUZZ-IEEE2013), Hyderabad, India.
30. Yesil E., Ozturk C., Dodurka M. F., Sakalli A., 2013. Fuzzy Cognitive Maps Learning Using Artificial Bee Colony Optimization, IEEE International Conference on Fuzzy Systems (FUZZ-IEEE2013), Hyderabad, India.
31. Yesil E., Dodurka M. F., 2013. Goal-Oriented Decision Support using Big Bang-Big Crunch Learning Based Fuzzy Cognitive Map: An ERP Management Case Study, IEEE International Conference on Fuzzy Systems (FUZZ-IEEE2013), Hyderabad, India.
32. Yesil E., Sakalli A., Ozturk C., Kumbasar T., 2013. Online Fuzzy Rule Weighting Method for Fuzzy PID Controllers via Big Bang-Big Crunch Optimization, IEEE International Conference on Fuzzy Systems (FUZZ-IEEE2013), Hyderabad, India.
33. Yesil E., Guzelkaya M., Eksin I., 2012. A Fuzzy Adaptive Set-point Regulator Design, 13th IEEE International Symposium on Computational Intelligence and Informatics (CINTI2012), Budapest, Hungary.
34. Yesil E., Ozturk C., Coşardemir B., Urbas L., 2012. MATLAB Case-Based Reasoning GUI Application for Control Engineering Education, 11th Information Technology Based Higher Education and Training (ITHET 2012), Istanbul, Turkey.
35. Yesil E., Kaya M., Siradag S., 2012. Fuzzy Forecast Combiner Design for Fast Fashion Demand Forecasting, International Symposium on INnovations in Intelligent SysTems and Applications (INISTA2012), Trabzon, Turkey.
36. Yesil E., Akalin D.Ç., Birkan S., 2012. Çapraz Birleştirilmiş Oran Kontrol Yapıları için PID Kontrolörü Tasarımı ve Uygulaması, Otomatik Kontrol Ulusal Toplantısı - TOK 2012, Niğde. (in Turkish)
37. Yesil E., Sakalli A., Güzay Ç., 2012. İkinci Mertebeden Ölü Zamanlı Sistemler İçin Bulanık Mantık Tabanlı PID Kontrolörü Tasarımı, Otomatik Kontrol Ulusal Toplantısı - TOK 2012, Niğde. (in Turkish)
38. Yesil E., Dodurka F., Kumbasar T., 2012. pH Nötrleştirme Süreci için Kazanç Ayarlamalı PID Kontrolör Tasarımı ve Uygulaması, Otomatik Kontrol Ulusal Toplantısı - TOK 2012, Niğde. (in Turkish)
39. Yesil E., Taşkın A., Kumbasar T., 2012. Çevrimiçi Bulanık Ayar Mekanizması İçeren Yeni Bir Kaskat Kontrol Yapısının Tasarımı ve DCS Üzerinde Gerçekleşmesi, Otomatik Kontrol Ulusal Toplantısı - TOK 2012, Niğde. (in Turkish)
40. Yesil E., Ozturk C., Coşardemir B., Kumbasar T., 2012. Bulanık PID Kontrolörlerinin Eğitiminde Durum Tabanlı Çıkarsama Yaklaşımı, Otomatik Kontrol Ulusal Toplantısı - TOK 2012, Niğde. (in Turkish)
41. Kumbasar T., Eksin İ., Guzelkaya M., Yesil E., 2011. An Inversion Method for Interval Type-2 Fuzzy Logic Systems, 11th International Conference on Intelligent Systems Design and Applications (ISDA), Cordoba, Spain.
42. Kumbasar T., Eksin İ., Guzelkaya M., Yesil E., 2011. Type-2 Fuzzy Model Inverse Controller Design Based on BB-BC Optimization Method, 18th World Congress of the International Federation of Automatic Control (IFAC), Milano, Italy.
43. Kumbasar T., Eksin İ., Guzelkaya M., Yesil E., 2011. Adaptive Fuzzy Internal Model Control Design with Bias Term Compensator, IEEE International Conference on Mechatronics, Istanbul, Turkey.
44. Yesil E., Ayaz B., 2011. PID Kontrolörlerinin Optimal Parametrelerinin Belirlenmesi Amacıyla Bir Bulanık Mantık Karar Mekanizması Tasarımı, TOK'2011 Otomatik Kontrol Ulusal Toplantısı, İzmir. (in Turkish)
45. Yesil E., Kurtuluş B., Tozar H., Yavaş M. U., Kumbasar T., 2011. Melez Bulanık PID Kontrolörlerinin Tasarım Yöntemleri ve DCS Üzerinde Gerçekleşmesi, TOK'2011 Otomatik Kontrol Ulusal Toplantısı, İzmir. (in Turkish)
46. Yesil E., Dodurka F., Yukselen A., Kumbasar T., 2011. Kaskat Kontrol yapıları için Bulanık PID Kontrolör Tasarım Yöntemi, TOK'2011 Otomatik Kontrol Ulusal Toplantısı, İzmir. (in Turkish)
47. Karasakal O., Guzelkaya M., Eksin I., Yesil E., 2010. Online Rule Weighting of Fuzzy PID Controllers, 2010 IEEE International Conference on Systems, Man, and Cybernetics, Istanbul, Turkey.

47. Oblak S., Kumbasar T., Skrjanc I., Yesil E., 2010. Inverse-model predictive control based on INFUMO-BB-BC optimization, ALCOSP 2010 Adaptation and Learning in Control and Signal Processing, Antalya, Turkey.
48. Karasakal O., Guzelkaya M., Eksin I., Yesil E., 2010. An On-line Rule Weighting Mechanism Based on Normalized Acceleration for Fuzzy PID Controllers, ALCOSP 2010 Adaptation and Learning in Control and Signal Processing, Antalya, Turkey.
49. Tari E., Guzelkaya M., Eksin I., Yesil E., 2010. Ölü zamanlı sistemlerde üyelik fonksiyonlarının taban aralığının ayarlanmasına dayalı bulanık kontrolör tasarımı, TOK'2010 Otomatik Kontrol Ulusal Toplantısı, İstanbul. (in Turkish)
50. Yesil E., Uzumcu C.E., Guzelkaya M., Eksin I., Kumbasar T., 2009. Ratio Control Problem in Inventory Control Systems, DECOM-TT 2009 International Workshop on Automatic Systems for Building the Infrastructure in Developing Countries, Ohrid, Macedonia.
51. Kabaoğlu R. O., Eksin I., Yesil E., Guzelkaya M., 2009. Fault Tolerant Control for Nonlinear Systems: A Support Vector Machine Approach, DECOM-TT 2009 International Workshop on Automatic Systems for Building the Infrastructure in Developing Countries, Ohrid, Macedonia.
52. Kumbasar T., Eksin I., Guzelkaya M., Yesil E., 2009. Control of a pH Neutralization Process via the Big Bang Optimization. The 6th International Mediterranean Modelling Multiconference - MAS 2009: The International Workshop on Modelling & Applied Simulation, Tenerife - Canary Islands.
53. Bulut C., Eksin I., Guzelkaya M., Kumbasar T., Yesil E., 2009. Fuzzy Blending Hybrid Structure with Fuzzy and Conventional PID Controllers. The 6th International Mediterranean Modelling Multiconference - MAS 2009: The International Workshop on Modelling & Applied Simulation, Tenerife - Canary Islands.
54. Kabaoğlu R. O., Eksin I., Yesil E., Guzelkaya M., 2009. Fault Detection and Diagnosis for Nonlinear Systems: A Support Vector Machine Approach. ICONS 2009 - The 2nd IFAC International Conference on Intelligent Control Systems and Signal Processing, Istanbul, Turkey.
55. Kabaoglu R. O., Eksin I., Guzelkaya M., Yesil E., 2009. Destek Vektörü Makineleri ile Doğrudan Hata Toleranslı Kontrol, TOK'2009 Otomatik Kontrol Ulusal Toplantısı, İstanbul. (in Turkish)
56. Eksin C., Guzelkaya M., Yesil E., Eksin I., 2008. Fuzzy Logic Approach to Mimic Decision Making Behavior of Humans in Stock Management Game. Proceedings of the 26th International Conference of the System Dynamics Society, Athens, Greece.
57. Kumbasar T., Yesil E., Eksin I., Guzelkaya M., 2008. Inverse Fuzzy Model Control with Online Adaptation via Big Bang-Big Crunch Optimization, the 3rd International Symposium on Communications, Control and Signal Processing, ISCCSP 2008, Malta.
58. Durmuş M. S., Kumbasar T., Yesil E., Eksin I., Söylemez M. T., 2008. İntegratör Etkili Ölü Zamanlı Süreçlerin PI-PD Kontrolü İçin Bir Bulanık Ayar Mekanizması, TOK'2008 Otomatik Kontrol Ulusal Toplantısı, İstanbul. (in Turkish)
59. Ulu C., Eksin I., Guzelkaya M., Yesil E., 2008. Bulanık Kontrolör Tasarımında Üyelik Fonksiyonlarının Dilsel Biçimlendiricilerle Çevrimiçi Ayarlanması, TOK'2008 Otomatik Kontrol Ulusal Toplantısı, İstanbul. (in Turkish)
60. Yesil E., Guzelkaya M., Eksin I., 2007. A Ratio Control Structure with Two Blend Stations, DECOM-TT 2007 International Workshop on Automatic Systems for Building the Infrastructure in Developing Countries, Çeşme, Turkey.
61. Danacı A., Guzelkaya M., Eksin I., Yesil E., 2007. Internal Model Control of Fan and Plate System with a Fuzzy Tuning Mechanism, DECOM-TT 2007 International Workshop on Automatic Systems for Building the Infrastructure in Developing Countries, Çeşme, Turkey.
62. Kumbasar T., Dilmaç Y., Tekin O. A., Yesil E., Eksin I., Guzelkaya M., 2007. Bulanık Modellerin Ters Aracılığıyla Kontrolör Tasarlanması, TOK'2007 Otomatik Kontrol Ulusal Toplantısı, İstanbul. (in Turkish)
63. Telek F., Yesil E., Eksin I., Guzelkaya M., 2007. Tedarik Zincirinde Kamçı Etkisi ve Kamçı Etkisinin Kontrolü, TOK'2007 Otomatik Kontrol Ulusal Toplantısı, İstanbul. (in Turkish)
64. Yesilkaya V., Tekin O.A., Yesil E., Guzelkaya M., Eksin I., 2007. PI Kontrolörü Parametre Belirleme Yöntemlerinin Dayanıklılığının Isıl Süreç Üzerinde İncelenmesi, TOK'2007 Otomatik Kontrol Ulusal Toplantısı, İstanbul. (in Turkish)
65. Yesil E., Guzelkaya M., Eksin I., 2006. Fuzzy Logic Based Tuning of PID Controllers for Time Delay Dominant Systems, ASC 2006, The 10th IASTED International Conference on Artificial Intelligence and Soft Computing, Palma de Mallorca, Spain.
66. Genç H. M., Eksin I., Guzelkaya M., Yesil E., 2006. A Rule-base Modification for Time Delay Systems. ASC 2006, The 10th IASTED International Conference on Artificial Intelligence and Soft Computing, Palma de Mallorca, Spain.
67. Erenoğlu I., Eksin I., Yesil E., Guzelkaya M., 2006. An Intelligent Hybrid Fuzzy PID Controller, ECMS-2006, 20th European Conference on Modelling and Simulation, Bonn, Germany.
68. Markaroğlu H., Guzelkaya M., Eksin I., Yesil E., 2006. Tracking Time Adjustment in Back Calculation Anti-windup Scheme, ECMS-2006, 20th European Conference on Modelling and Simulation, Bonn, Germany.

69. Yesil E., Guzelkaya M., Eksin I., 2006. Çift serbestlik dereceli kontrol yapılarında harmanlama mekanizmalı referans değer ayarlayıcı, TOK'2006 Otomatik Kontrol Ulusal Toplantısı, Ankara. (in Turkish)
70. Akbıyık B., Eksin I., Guzelkaya M., Yesil E., 2005. Evaluation of The Performance of Various Fuzzy PID Controller Structures on Benchmark Systems, ELECO '2005, 4th International Conf. on Electrical and Electronics Engineering, Bursa, Turkey.
71. Yesil E., Guzelkaya M., Eksin I., 2004. Internal Model Control Based Fuzzy Gain Scheduling Technique of PID Controllers, ISSCI-2004 5th International Symposium on Soft Computing for Industry, Seville, Spain.
72. Karasakal O., Yesil E., Guzelkaya M., Eksin I., 2004. The Implementation and Comparison of Different Type Self-tuning Algorithms of Fuzzy PID Controllers on PLC, ISSCI-2004 5th International Symposium on Soft Computing for Industry, Seville, Spain.
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