

## Prof. İSMET ERKMEN

### Personal Information

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### Advising Theses

SEVAİOĞLU O., ERKMEN İ., The Impact of energy storage system on security constrained unit commitment problem in presence of renewables, Postgraduate, C.Çakır(Student), 2015

ERKMEN İ., SEVAİOĞLU O., The impact of energy storage system on security constrained unit commitment (SCUC) problem in presence of renewables, Postgraduate, C.ÇAKIR(Student), 2015

ERKMEN İ., Design, implementation and verification of gas insulated load break switch at 12 kV voltage level /, Postgraduate, A.BERİL(Student), 2014

ERKMEN İ., Unit commitment with DGs in distribution systems, Postgraduate, M.BAYAT(Student), 2013

ERKMEN İ., Robotic system design for reshaping estimated human intention in human-robot interaction, Doctorate, A.DURDU(Student), 2012

ERKMEN İ., Momentum transfer continuum between preshape and grasping based on fluidics, Doctorate, B.ÖZYER(Student), 2012

ERKMEN İ., Simulation and performance evaluation of a fast and high power pulsed laser diode driver for laser range finder, Postgraduate, Y.KEMAL(Student), 2012

ERKMEN İ., Imitation of human body poses and hand gestures using a particle based fluidics method, Doctorate, U.TİLKİ(Student), 2012

ERKMEN İ., ERKMEN A. M., Robotic system design for reshaping estimated human intention in human-robot interactions, Doctorate, A.Durdu(Student), 2012

ERKMEN İ., Multi-robot coordination control methodology for search and rescue operations, Doctorate, S.TOPAL(Student), 2011

ERKMEN İ., Optimization of electricity markets in the price based and security constrained unit commitment problems frameworks, Doctorate, C.ŞAHİN(Student), 2010

ERKMEN İ., Development of a DSP-FPGA-based resolver-to-digital converter for stabilized gun platforms, Postgraduate, Y.ZENGİN(Student), 2010

ERKMEN İ., Prioritized exploration strategy based on invasion percolation guidance, Postgraduate, M.KARAHAN(Student), 2009

ERKMEN İ., A fluid dynamics framework for control of mobile robot networks, Postgraduate, M.RAŞİD(Student), 2007

ERKMEN A. M., ERKMEN İ., Intelligent stabilization control of turret subsystems under disturbances from unstructured terrain, Postgraduate, Ö.GÜMÜŞAY(Student), 2006

ERKMEN İ., Participation of combined cycle power plants to power system frequency control: modelling and application, Postgraduate, O.Yılmaz(Student), 2006

ERKMEN A. M., ERKMEN İ., A snake-like robot for searching, cleaning passages from debris and dragging victims, Postgraduate, E.ÇAĞLAV(Student), 2006

ERKMEN İ., Participation of combined cycle power plants to power system frequency control: Modeling and application,

Postgraduate, O.YILMAZ(Student), 2006

ERKMEN A. M., ERKMEN İ., A recommendation system combining context-awareness and user profiling in mobile environment, Postgraduate, S.ULUCAN(Student), 2005

ERKMEN İ., Real time color based object tracking, Postgraduate, G.ÖZZAMAN(Student), 2005

ERKMEN İ., Fuzzy actor-critic learning based intelligent controller for high-level motion control of serpentine robots, Postgraduate, E.Onur(Student), 2005

ERKMEN A. M., ERKMEN İ., Fault tolerant deployment, search and task cooperative control of robot/sensor networks, Postgraduate, B.AKIN(Student), 2005

ERKMEN A. M., ERKMEN İ., Fuzzy actor-critic learning based intelligent controller for high-level motion control of serpentine robots, Postgraduate, E.ONUR(Student), 2005

ERKMEN İ., Fault tolerant deployment, search, and task cooperative control of robot/sensor networks, Postgraduate, B.Akın(Student), 2005

ERKMEN İ., ERKMEN A. M., User modeling in mobile environment, Postgraduate, E.ALKILIÇGİL(Student), 2005

ERKMEN A. M., ERKMEN İ., Biologically inspired multichannel modelling of human visual perceptual system, Postgraduate, M.APAYDIN(Student), 2005

ERKMEN A. M., ERKMEN İ., Intelligent methods for dynamic analysis and navigation of autonomous land vehicles, Doctorate, H.BURAK(Student), 2004

ERKMEN İ., ERKMEN A. M., Reinforcement learning using potential field for role assignment in a multi-robot two-team game, Postgraduate, F.ÖZGÜL(Student), 2004

ERKMEN A. M., ERKMEN İ., Online critical game flow and dynamic role assignment based on potential fields, Postgraduate, A.AYHAN(Student), 2004

ERKMEN İ., Online critical game flow and role assignment based on potential fields, Postgraduate, A.Ayhan(Student), 2004

ERKMEN İ., Shape analysis using contour-based and region-based approaches, Postgraduate, G.ÇİFTÇİ(Student), 2003

ERKMEN A. M., ERKMEN İ., Intelligent student assessment and coaching interface to web-based education-oriented intelligent experimentation on robot supported laboratory set-ups, Postgraduate, H.ERDEM(Student), 2003

ERKMEN A. M., ERKMEN İ., Intelligent gait control of a multilegged robot used in rescue operations, Postgraduate, E.KARALARLI(Student), 2003

ERKMEN İ., Hybrid learning algorithm for intelligent short-term load forecasting, Doctorate, A.KUMLUCA(Student), 2003

ERKMEN İ., Application of evolution strategy algorithm to generator parameter estimation problem, Postgraduate, C.ŞAHİN(Student), 2003

ERKMEN İ., Integration of photometric stereo and shape from shading algorithms., Postgraduate, U.SAKARYA(Student), 2002

ERKMEN İ., Scene segmentation comparative analysis, Postgraduate, M.ŞEVKET(Student), 2001

ERKMEN İ., Self-adaptive evolutionary programming based economic dispatch of units with nonmonotonic fuel cost function, Postgraduate, T.Özel(Student), 2001

ERKMEN İ., Self-adaptive evolutionary programming based economic dispatch power units with nonmonotonic fuel cost functions, Postgraduate, T.ÖZEL(Student), 2001

ERKMEN İ., Mechatronic design of a scanner and interlacer for thermal imaging, Postgraduate, M.BARIŞ(Student), 2000

ERKMEN İ., Mechatronic design of a scanner and interlacer for thermal imaging system, Postgraduate, M.Bariş(Student), 2000

ERKMEN İ., Genetically optimized fuzzy logic controller for AGC, Postgraduate, E.AYAZOĞLU(Student), 2000

ERKMEN İ., Optimized fuzzy approach to unit commitment problem in power system, Postgraduate, R.EĞRİ(Student), 1999

ERKMEN İ., A discrete multitone transreceiver system for power line communication applications, Postgraduate, T.KIRCI(Student), 1999

ERKMEN İ., Optimized fuzzy approach to unit commitment in power systems, Postgraduate, R.Eğri(Student), 1999

ERKMEN İ., A discrete multitone transreceiver system for power line communication application, Postgraduate, T.Kırcı(Student), 1999

ERKMEN İ., Short term system load forecasting using fuzzy neural networks, Postgraduate, E.TAN(Student), 1997

ERKMEN İ., Long term dynamic simulator for electrical power systems, Postgraduate, Y.KÜÇÜKEFE(Student), 1997

ERKMEN İ., Long term dynamic power systems simulator prime mover modeling, Postgraduate, E.Kahraman(Student), 1996

ERKMEN İ., Short term load forecasting using genetically optimized neural network cascaded with a modified Kohonen clustering process, Postgraduate, A.Özdoğan(Student), 1996

ERKMEN İ., Short term load forecasting using genetically optimized neural network cascaded with a modified kohonen clustering process, Postgraduate, A.ÖZDOĞAN(Student), 1996

ERKMEN İ., Tracking and impacting an ill-perceived object with the anthropot in robot hand using fuzzy dynamic programming, Postgraduate, M.İZZETOĞLU(Student), 1995

ERKMEN İ., A Modified kohonen neural network coupled to A kalman filter for short term load forecasting, Postgraduate, H.ÖZSÖKMEN(Student), 1994

ERKMEN İ., Short-term hydrothermal coordination by using multi-pass dynamic programming with successive approximation, Postgraduate, B.KARATAŞ(Student), 1994

ERKMEN İ., Feeder automation in Middle East Technical University medium voltage distribution system, Postgraduate, Ç.Sunay(Student), 1994

ERKMEN İ., Short term load forecasting using GLVQ algorithm cascaded with a supervised ann, Postgraduate, B.BALA(Student), 1994

ERKMEN İ., Feeder automation in Middle East Technical University medium voltage distribution systems, Postgraduate, Ç.SUNAY(Student), 1994

ERKMEN İ., Dynamic economic dispatch using dynamic programming successive approximation technique, Postgraduate, O.BURÇ(Student), 1993

ERKMEN İ., Dynamic economic dispatch using dynamic programming successive approximation techniques, Postgraduate, O.Burç(Student), 1993

ERKMEN İ., Load forecast methods for distribution planning and results of applications in western zone of İstanbul, Postgraduate, M.TAYYAR(Student), 1993

ERKMEN İ., Load forecast methods for distribution planning and results of applications in Western Zone of İstanbul., Postgraduate, M.Tayyar(Student), 1993

ERKMEN İ., Intelligent fault diagnosis in power systems using neural networks., Postgraduate, C.GEZGİN(Student), 1992

ERKMEN İ., Implementation of time division multiplication method for energy measuring purpose, Postgraduate, Y.OYMAK(Student), 1992

ERKMEN İ., A Short-term load prediction algorithm for dynamic economic dispatch, Postgraduate, T.ADANIR(Student), 1991

ERKMEN İ., A Graphical interface for power system applications, Postgraduate, C.KIRIŞTIOĞLU(Student), 1991

ERKMEN İ., A Digital frequency and rate of change of frequency relay for load shedding, Postgraduate, İ.UMUT(Student), 1989

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Estimating and reshaping human intention via human robot interaction**  
DURDU A., ERKMEN İ., ERKMEN A. M.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, no.1, pp.88-104, 2016 (SCI-Expanded)
- II. **Prioritized Mobile Robot Exploration Based on Percolation Enhanced Entropy Based Fast SLAM**  
Karahan M., ERKMEN A. M., ERKMEN İ.  
JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS, vol.75, pp.541-567, 2014 (SCI-Expanded)
- III. **Momentum Transfer from Preshape to Grasping**  
Ozyer B., ERKMEN İ., ERKMEN A. M.  
JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS, vol.75, no.2, pp.173-191, 2014 (SCI-Expanded)
- IV. **A novel multirobot map fusion strategy for occupancy grid maps**  
Topal S., ERKMEN İ., ERKMEN A. M.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.21, no.1, pp.107-119, 2013

(SCI-Expanded)

- V. **Allocation of Hourly Reserve Versus Demand Response for Security-Constrained Scheduling of Stochastic Wind Energy**  
Sahin C., Shahidehpour M., ERKMEN İ.  
IEEE TRANSACTIONS ON SUSTAINABLE ENERGY, vol.4, no.1, pp.219-228, 2013 (SCI-Expanded)
- VI. **Generation risk assessment in volatile conditions with wind, hydro, and natural gas units**  
Sahin C., Shahidehpour M., ERKMEN İ.  
APPLIED ENERGY, vol.96, pp.4-11, 2012 (SCI-Expanded)
- VII. **Imitation of basic hand preshapes by fluid based method: fluidics formation control**  
Tilki U., ERKMEN İ., ERKMEN A. M.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.19, no.2, pp.221-234, 2011 (SCI-Expanded)
- VIII. **Enhancing positioning accuracy of GPS/INS system during GPS outages utilizing artificial neural network**  
Kaygisiz B. H., Erkmen A. M., Erkmen I.  
NEURAL PROCESSING LETTERS, vol.25, no.3, pp.171-186, 2007 (SCI-Expanded)
- IX. **Intelligent short-term load forecasting in Turkey**  
Topalli A. K., Erkmen I., Topalli I.  
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.28, no.7, pp.437-447, 2006 (SCI-Expanded)
- X. **Intelligent analysis of chaos roughness in regularity of walk for a two legged robot**  
Kaygisiz B., Erkmen I., Erkmen A.  
CHAOS SOLITONS & FRACTALS, vol.29, no.1, pp.148-161, 2006 (SCI-Expanded)
- XI. **Stable controller design for T-S fuzzy systems based on Lie algebras**  
Banks S., Gurkan E., Erkmen I.  
FUZZY SETS AND SYSTEMS, vol.156, no.2, pp.226-248, 2005 (SCI-Expanded)
- XII. **A new algorithm and computation approach for economic dispatch with prohibited operating zones in power systems**  
Cetinkaya N., Urkmez A., Erkmen I., Yalcinoz T.  
ENERGY EXPLORATION & EXPLOITATION, vol.23, no.4, pp.267-275, 2005 (SCI-Expanded)
- XIII. **An improved method of photometric stereo using local shape from shading**  
Sakarya U., Erkmen I.  
IMAGE AND VISION COMPUTING, vol.21, no.11, pp.941-954, 2003 (SCI-Expanded)
- XIV. **Four methods for short-term load forecasting using the benefits of artificial intelligence**  
Erkmen I., Topalli A.  
ELECTRICAL ENGINEERING, vol.85, no.4, pp.229-233, 2003 (SCI-Expanded)
- XV. **Snake robots to the rescue!**  
Erkmen I., Erkmen A., Matsuno F., Chatterjee R., Kamegawa T.  
IEEE ROBOTICS & AUTOMATION MAGAZINE, vol.9, no.3, pp.17-25, 2002 (SCI-Expanded)
- XVI. **Two-way fuzzy adaptive identification and control of a flexible-joint robot arm**  
Gurkan E., Erkmen I., Erkmen A.  
INFORMATION SCIENCES, vol.145, pp.13-43, 2002 (SCI-Expanded)
- XVII. **Robot hand preshaping and regrasping using genetic algorithms**  
Erkmen I., Erkmen A., Gunver H.  
INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH, vol.19, no.9, pp.857-874, 2000 (SCI-Expanded)
- XVIII. **The multidisciplinary International Virtual Design Studio (MIVDS)**  
Erden A., Erkmen A., Erkmen I., Bucinell R., Traver C., Notash L.  
IEEE TRANSACTIONS ON EDUCATION, vol.43, no.3, pp.288-295, 2000 (SCI-Expanded)
- XIX. **Optimal initialization of manipulation dynamics by vorticity model of robot hand preshaping. Part I: Vorticity model**  
Erkmen A., Erkmen I., Tekkaya E.

JOURNAL OF ROBOTIC SYSTEMS, vol.17, no.4, pp.199-212, 2000 (SCI-Expanded)

- XX. **Optimal initialization of manipulation dynamics by vorticity model of robot hand preshaping. Part II: Analyses of grasp initialization and its vorticity based optimization**

Erkmen A., Erkmen I., Tekkaya E.

JOURNAL OF ROBOTIC SYSTEMS, vol.17, no.4, pp.213-231, 2000 (SCI-Expanded)

- XXI. **Haptic perception of shape and hollowness of deformable objects using the Anthrobot-III robot hand**

Erkmen I., Erkmen A., Tekkaya A., Pasinlioglu T.

JOURNAL OF ROBOTIC SYSTEMS, vol.16, no.1, pp.9-24, 1999 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Towards the robotic "avatar": An extensive survey of the cooperation between and within networked mobile sensors**

Topal S., ERKMEN İ., ERKMEN A. M.

Future Internet, vol.2, no.3, pp.363-387, 2010 (Scopus)

- II. **Percolation enhanced prioritised multi-robot exploration of unstructured environments**

Topal S., ERKMEN İ., ERKMEN A. M.

International Journal of Reasoning-based Intelligent Systems, vol.2, no.3-4, pp.217-225, 2010 (Scopus)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Exact kalman filtering of respiratory motion**

ÇETİNKAYA M., Akgun S. A., ERKMEN A. M., ERKMEN İ.

6th International Conference on Control Engineering and Information Technology, CEIT 2018, İstanbul, Turkey, 25 - 27 October 2018

- II. **Impact of Natural Gas System on Risk-Constrained Midterm Hydrothermal Scheduling**

Sahin C., Li Z., Shahidehpour M., ERKMEN İ.

General Meeting of the IEEE-Power-and-Energy-Society (PES), Vancouver, Canada, 21 - 25 July 2013

- III. **IMITATION OF HUMAN BODY POSES BY THE FORMATION CONTROL OF A FLUIDIC SWARM**

Tilki U., ERKMEN İ., ERKMEN A. M.

11th ASME Biennial Conference on Engineering Systems Design and Analysis, (ESDA 2012), Nantes, France, 2 - 04 July 2012, pp.361-370

- IV. **Morphing Estimated Human Intention via Human-Robot Interactions**

Durdu A., ERKMEN İ., ERKMEN A. M., Yilmaz A.

World Congress on Engineering and Computer Science (WCECS 2011), San-Francisco, Costa Rica, 19 - 21 October 2011, pp.354-359

- V. **Improvisation Based on Imitating Human Players by a Robotic Acoustic Musical Device**

Aydin K. K., ERKMEN A. M., ERKMEN İ.

World Congress on Engineering and Computer Science (WCECS 2011), San-Francisco, Costa Rica, 19 - 21 October 2011, pp.331-336

- VI. **Proxy-Based Sliding Mode Stabilization of a Two-Axis Gimbaled Platform**

Hasturk O., ERKMEN A. M., ERKMEN İ.

World Congress on Engineering and Computer Science (WCECS 2011), San-Francisco, Costa Rica, 19 - 21 October 2011, pp.370-376

- VII. **Imitation of Hand Postures with Particle Based Fluidics Method**

Tilki U., ERKMEN İ., ERKMEN A. M.

World Congress on Engineering and Computer Science (WCECS)/International Conference on Advances in Engineering Technologies, San-Francisco, Costa Rica, 20 - 22 October 2010, pp.361-362

- VIII. **A Novel Map Merging Methodology for Multi-Robot Systems**  
Topal S., ERKMEN İ., ERKMEN A. M.  
World Congress on Engineering and Computer Science (WCECS)/International Conference on Advances in Engineering Technologies, San-Francisco, Costa Rica, 20 - 22 October 2010, pp.383-387
- IX. **Momentum Transfer from the Fingers to Object Based on Fluid Dynamics**  
Ozyer B., ERKMEN İ., ERKMEN A. M.  
World Congress on Engineering and Computer Science (WCECS)/International Conference on Advances in Engineering Technologies, San-Francisco, Costa Rica, 20 - 22 October 2010, pp.346-349
- X. **CATCHING CONTINUUM BETWEEN PRESHAPE AND GRASPING BASED ON FLUIDICS**  
Ozyer B., ERKMEN İ., ERKMEN A. M.  
10th ASME Biennial Conference on Engineering Systems Design and Analysis, İstanbul, Turkey, 12 - 24 July 2010, pp.683-691
- XI. **NEW PRIORITIZED MULTI-ROBOT EXPLORATION STRATEGY BASED ON PERCOLATION MODEL IN UNKNOWN ENVIRONMENTS**  
Topal S., ERKMEN İ., ERKMEN A. M.  
12th International Conference on Climbing and Walking Robots the Support Technologies for Mobile Machines (CLAWAR), İstanbul, Turkey, 9 - 11 September 2009, pp.967-974
- XII. **A snake-like robot for variable friction unstructured terrains, pushing aside debris in clearing passages**  
Caglav E., ERKMEN A. M., ERKMEN İ.  
IEEE/RSJ International Conference on Intelligent Robots and Systems, California, United States Of America, 29 October - 02 November 2007, pp.3691-3692
- XIII. **Scalable self-deployment of mobile sensor networks: A fluid dynamics approach**  
Pac M. R., Erkmen A. M., Erkmen I.  
IEEE/RSJ International Conference on Intelligent Robots and Systems, Beijing, China, 9 - 13 October 2006, pp.1446-1451
- XIV. **FACL based 3D grasping controller for a snake robot during locomotion**  
Ari E. O., ERKMEN İ., ERKMEN A. M.  
IEEE/RSJ International Conference on Intelligent Robots and Systems, Beijing, China, 9 - 13 October 2006, pp.4030-4031
- XV. **A behavior based layered, hybrid, control architecture for robot/sensor networks**  
Akin B., ERKMEN A. M., ERKMEN İ.  
IEEE International Conference on Robotics and Automation (ICRA), Florida, United States Of America, 15 - 19 May 2006, pp.206-207
- XVI. **3-D grasping during serpentine motion with a snake-like robot**  
Atakan B., Erkmen A., Erkmen I.  
6th IASTED International Conference on Robotics and Applications, Cambridge, Canada, 31 October - 02 November 2005, pp.46-51
- XVII. **Performance results of the improved method of photometric stereo using local shape from shading on variable albedo samples**  
Sakarya U., Erkmen I.  
IEEE 12th Signal Processing and Communications Applications Conference, Kusadasi, Turkey, 28 - 30 April 2004, pp.261-263
- XVIII. **Stable controller design for the T-S fuzzy model of a flexible-joint robot arm based on lie algebra**  
Gurkan E., Banks S., Erkmen I.  
42nd IEEE Conference on Decision and Control, Hawaii, United States Of America, 9 - 12 December 2003, pp.4717-4722
- XIX. **Equivalent linearization of 2-way fuzzy adaptive system under nonparametric uncertainty and inconsistency**  
Gurkan E., Banks S., Erkmen A., Erkmen I.  
5th International Conference on Fuzzy Logic and Intelligent Technologies in Nuclear Science, Ghent, Belgium, 16 -

18 September 2002, pp.453-460

- XX. **Evaluation of inconsistency in a 2-way fuzzy adaptive system using shadowed sets**  
Gurkan E., Erkmen A., Erkmen I.  
31st IEEE International Symposium on Multiple-Valued Logic (ISMVL 2001), Warszawa, Poland, 22 - 24 May 2001, pp.109-115
- XXI. **The self-reconfiguration of a holonic hand: The holonic regrasp**  
Durna M., Erkmen A., Erkmen I.  
IEEE/Robotics-Society-of-Japan International Conference on Intelligent Robots and Systems (IROS 2000), Takamatsu, Japan, 31 October - 05 November 2000, pp.1993-1998
- XXII. **Self-reconfiguration in task space of a holonic structure**  
Durna M., Erkmen I., Erkmen A.  
IEEE/Robotics-Society-of-Japan International Conference on Intelligent Robots and Systems (IROS 2000), Takamatsu, Japan, 31 October - 05 November 2000, pp.2366-2373
- XXIII. **Reducing inconsistencies in intuitionistic 2-way adaptive fuzzy control systems**  
Gurkan E., Erkmen A., Erkmen I.  
4th International FLINS Conference on Intelligent Techniques and Soft Computing in Nuclear Science and Engineering, BRUGGE, Belgium, 28 - 30 August 2000, pp.289-296
- XXIV. **Game theoretic colony control of holonic robots inspecting inner surfaces of pipes**  
Guciz A., Erkmen A., Erkmen I.  
4th International Conference and Exposition/Demonstration on Robotics for Challenging Situations and Environments, New-Mexico, United States Of America, 27 February - 02 March 2000, pp.234-240
- XXV. **DESIGN OF A HOLONIC SELF-RECONFIGURABLE ROBOTIC SYSTEM**  
TURGUT A. E., Durna M., ERKMEN İ., ERKMEN A. M., Erden A.  
Robotics and Applications 1999, Santa-Barbara, Honduras, 28 - 31 October 1999, pp.1-6
- XXVI. **Intuitionistic, 2-way adaptive fuzzy control**  
Gurkan E., Erkmen A., Erkmen I.  
International Conference on Robotics and Automation (ICRA '99), Michigan, United States Of America, 10 - 15 May 1999, pp.2470-2475
- XXVII. **Decision and feature fusion over the fractal inference network using camera and range sensors**  
Erkmen I., Erkmen A., Ucar E.  
Conference on Sensor Fusion and Decentralized Control in Robotic Systems, Massachusetts, United States Of America, 2 - 03 November 1998, vol.3523, pp.112-123
- XXVIII. **Holonic grasping**  
Durna M., Erkmen I., Erkmen A.  
IEEE/RSJ International Conference on Intelligent Robots and Systems, Victoria, Canada, 13 - 17 October 1998, pp.140-145
- XXIX. **Short term load forecasting using genetically optimized neural network cascaded with a Modified Kohonen clustering process**  
Erkmen I., Ozdogan A.  
1997 IEEE International Symposium on Intelligent Control, İstanbul, Turkey, 16 - 18 July 1997, pp.107-112
- XXX. **A SHORT-TERM LOAD PREDICTION ALGORITHM FOR DYNAMIC ECONOMIC-DISPATCH**  
ERKMEN İ., ADANIR T.  
7th Mediterranean Electrotechnical Conference (MeleCON 94), Antalya, Turkey, 12 - 14 April 1994, pp.885-888
- XXXI. **FUZZY DYNAMIC-PROGRAMMING**  
ALKAN M., ERKMEN A., ERKMEN İ.  
7th Mediterranean Electrotechnical Conference (MeleCON 94), Antalya, Turkey, 12 - 14 April 1994, pp.723-726
- XXXII. **ACCREDITATION ISSUES IN ELECTRICAL-ENGINEERING CURRICULUM - A COMPARATIVE CASE-STUDY**  
ERKMEN İ., YURTSEVEN H.  
7th Mediterranean Electrotechnical Conference (MeleCON 94), Antalya, Turkey, 12 - 14 April 1994, pp.1016-1019
- XXXIII. **A SOFTWARE TOOL FOR ACADEMIC ADVISERS FOR STUDENT PERFORMANCE FOLLOW-UP**  
TIN S., ERKMEN İ.

7th Mediterranean Electrotechnical Conference (MeleCON 94), Antalya, Turkey, 12 - 14 April 1994, pp.1012-1015

**XXXIV. SHORT-TERM HYDROTHERMAL COORDINATION BY USING MULTIPASS DYNAMIC-PROGRAMMING WITH SUCCESSIVE APPROXIMATION**

ERKMEN I., KARATAS B.

7th Mediterranean Electrotechnical Conference (MeleCON 94), Antalya, Turkey, 12 - 14 April 1994, pp.925-928

**XXXV. SENS-PERCEPTOR - IMAGE-BASED EVIDENCE FORMATION MODULE AS A LOGICAL SENSOR FOR ROBOT HAND PRESHAPING**

NAZLIBILEK S., ERKMEN A., ERKMEN I.

1993 IEEE International Symposium on Intelligent Control, Illinois, United States Of America, 25 - 27 August 1993, pp.326-331

## **Metrics**

Publication: 58

Citation (WoS): 412

Citation (Scopus): 456

H-Index (WoS): 9

H-Index (Scopus): 10

## **Non Academic Experience**

METU

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Carlsen & Fink Associates Inc.

Drexel University

Drexel