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Education Information

Doctorate, Istanbul Technical University, Turkey 1982 - 1987

Postgraduate, Bogazici University, Faculty Of Engineering, Department Of Computer Engineering, Turkey 1978 - 1980 Undergraduate, Bogazici University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey 1974 - 1978

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Istanbul Technical University, Bilgisayar ve Bilişim, Bilgisayar Mühendisliği, 2012 - Continues Professor, Istanbul Technical University, Bilgisayar ve Bilişim, Bilgisayar Mühendisliği, 1981 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. A knowledge-intensive adaptive business process management framework
 Kir H., Erdoğan T. N.
 - Information Systems, vol.95, 2021 (SCI-Expanded)
- II. Influential user weighted sentiment analysis on topic based microblogging community ELİACİK A. B., Erdogan N.
 - EXPERT SYSTEMS WITH APPLICATIONS, vol.92, pp.403-418, 2018 (SCI-Expanded)
- III. Network Load Balancing with Strong Migration in an Agent Based Grid System Using CSP Approach Erdoğan T. N.
 - International Journal of Grid Computing & Applications, vol.3, no.4, pp.43-53, 2012 (SCI-Expanded)
- IV. A Generic Framework for Distributed Multirobot Cooperation
 Sariel-Talay S., BALCH T. R., Erdogan N.
 JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS, vol.63, no.2, pp.323-358, 2011 (SCI-Expanded)
- V. Role models-implementation-based approaches to using roles SELÇUK Y. E., Erdogan N.

SOFTWARE-PRACTICE & EXPERIENCE, vol.41, no.1, pp.1-22, 2011 (SCI-Expanded)

VI. Multiple Traveling Robot Problem: A Solution Based on Dynamic Task Selection and Robust Execution

Sariel-Talay S., BALCH T. R., Erdogan N.

IEEE-ASME TRANSACTIONS ON MECHATRONICS, vol.14, no.2, pp.198-206, 2009 (SCI-Expanded)

VII. Naval mine countermeasure missions - A distributed, incremental multirobot task selection scheme Sariel S., BALCH T., Erdogan N.

IEEE ROBOTICS & AUTOMATION MAGAZINE, vol.15, no.1, pp.45-52, 2008 (SCI-Expanded)

VIII. A role model for description of agent behavior and coordination

Selcuk Y. E., Erdogan N.

ENGINEERING SOCIETIES IN THE AGENTS WORLD VI, vol.3963, pp.29-48, 2006 (SCI-Expanded)

IX. DCOBE: Distributed composite object-based environment

Yilmaz G., Erdogan N.

COMPUTER JOURNAL, vol.48, no.3, pp.273-291, 2005 (SCI-Expanded)

X. MAPSEC: Mobile-agent based publish/subscribe platform for electronic commerce Sahingoz O., Erdoğan T. N.

COMPUTER AND INFORMATION SCIENCES - ISCIS 2003, vol.2869, pp.348-355, 2003 (SCI-Expanded)

XI. Augmenting object persistency paradigm for faster server development

Kemikli E., Erdoğan T. N.

ADVANCES IN INFORMATION SYSTEMS, vol.2457, pp.327-335, 2002 (SCI-Expanded)

Articles Published in Other Journals

I. Topic Based Agent Migration Scheme via Publish/Subscribe Paradigm

Karzan M. A., ERDOĞAN T. N.

International Journal of Information and Education Technology, vol.3, pp.290-294, 2013 (Scopus)

II. Gerçek zamanlı çoklu robot çoklu hedef problemi için artımlı atama yöntemi

SARIEL S., ERDOĞAN T. N., TUCKER B.

itü dergisi/d : mühendislik, vol.7, pp.41-54, 2008 (Peer-Reviewed Journal)

III. A Two-Leveled Mobile Agent System for Electronic Commerce

ŞAHİNGÖZ Ö. K., ERDOĞAN T. N.

the journal of Aeronautics and Space Technologies Institute, pp.21-32, 2003 (Peer-Reviewed Journal)

Books & Book Chapters

I. Multi-agent Based File Replication and Consistency Management

AKDEMİR S., ERDOĞAN T. N.

in: Progress in Artificial Intelligence, Oliveira E., Gama J., Vale Z., Lopes Cardoso H., Editor, Springer, Cham, pp.727-738, 2017

II. Agent-Based Semantic Business Process Management Methodology

KIR H., ERDOĞAN T. N.

in: Advances in Practical Applications of Scalable Multi-agent Systems, Demazeau, Y., Ito, T., Bajo, J., Escalona, M.J., Editor, Springer International Publishing, pp.145-156, 2016

Refereed Congress / Symposium Publications in Proceedings

I. Comparison of machine learning methods for software project effort estimation ERDOĞAN T. N., Yurdakurban V.

2018 26th Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018

II. Multi-agent Based File Replication and Consistency Management

Akdemir S., Erdogan N.

18th EPIA Conference on Artificial Intelligence (EPIA), Porto, Portugal, 5 - 08 September 2017, vol.10423, pp.727-738

III. Agent-Based Semantic Business Process Management Methodology

Kir H., Erdogan N.

14th International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS), Sevilla, Spain, 1 - 03 June 2016, vol.9662, pp.145-156

IV. User Weighted Sentiment Analysis for Financial Community on Twitter

ELİAÇIK B., ERDOĞAN T. N.

11th International Conference on Innovations in Information Technology (IIT'15), 1 - 03 November 2015

V. User-Weighted Sentiment Analysis for Financial Community on Twitter

Eliacik A. B., Erdogan N.

11th International Conference on Innovations in Information Technology (IIT), Dubai, United Arab Emirates, 1 - 03 November 2015, pp.46-51

VI. Mikro Bloglardaki Finans Toplulukları içinKullanıcı Ağırlıklandırılmış Duygu Analizi Yöntemi

Burak E., ERDOĞAN T. N.

9th Ulusal Yazılım MühendisliğiSempozyumu (UYMS'15), Turkey, 9 - 11 September 2015

VII. Object Based Distributed Data Sharing In Multi-Agent Environment

Pataci M., Erdogan N.

5th IEEE International Conference on Software Engineering and Service Science (ICSESS), Beijing, China, 27 - 29 June 2014, pp.182-189

VIII. Virmon: A Virtualization-Based Automated Dynamic Malware Analysis System

HÜSEYİN T., ERDOĞAN T. N.

6th INTERNATIONAL INFORMATION SECURITY CRYPTOLOGY CONFERENCE, 20 - 21 September 2013

IX. Parallel Genetic Algorithm to Solve Traveling Salesman Problem on MapReduce Framework using HARUN RASIT E., ERDOĞAN T. N.

The International Conference on Soft Computing and Software Engineering 2013 (SCSE'13), United States Of America, 1 - 02 March 2013

X. An Agent-based Framework for Personalized Advertisement on Mobile Devices

Sahin R., Erdogan N.

2nd IEEE International Conference on Parallel, Distributed and Grid Computing (PDGC), Waknaghat, India, 6 - 08 December 2012, pp.539-544

XI. LOGISTICS APPLICATION ON DISTRIBUTED COMPOSITE OBJECT BASED ENVIRONMENT

Nakhchivanski J., Yilmaz G., Erdogan N.

4th International Conference on Computer and Electrical Engineering (ICCEE 2011), Singapore, Singapore, 14 - 15 October 2011, pp.153-154

XII. An Agent-Based Web Services Market

Durmus A., Erdogan N.

7th International Conference on Software Engineering Reserch - Management and Applications, Haikou, China, 2 - 04 December 2009, vol.253, pp.145-157

XIII. A Web Services Market Framework with Role Based Agents

DURMUS A., Erdogan N.

IEEE International Conference on Systems, Man and Cybernetics, San-Antonio, Northern Mariana Islands, 11 - 14 October 2009, pp.4722-4727

XIV. Enhancing Java RMI with Asynchrony through Reflection

Akin O., Erdogan N.

1st International ICST Conference on Communications Infrastructure, Systems and Applications in Europe, London, Canada, 11 - 13 August 2009, vol.16, pp.23-34

XV. An integrated approach to solving the real-world multiple traveling robot problem

SARIEL S., ERDOĞAN T. N.

5th international conference on electrical and electronics engineering, 4 - 06 November 2007

XVI. Incremental multi-robot task selection for resource constrained and interrelated tasks Sariel S., Balch T., Erdogan N.

2007 IEEE/RSJ International Conference on Intelligent Robots and Systems, IROS 2007, San Diego, CA, United States Of America, 29 October - 02 November 2007, pp.2314-2319

XVII. Robust multi robot cooperation through dynamic task allocation and precaution routines SARIEL S., TUCKER B., ERDOĞAN T. N.

ICINCO-RA, 1 - 03 August 2006

XVIII. A role model for description of agent behavior and coordination

SELÇUK Y. E., ERDOĞAN T. N.

ESAW 2005, 26 - 28 October 2005, pp.29-48

XIX. JAWIRO: Enhancing Java with roles

SELÇUK Y. E., ERDOĞAN T. N.

International Symposium on Computer and Information Sciences, 26 - 29 October 2004

Supported Projects

Erdoğan T. N., Project Supported by Higher Education Institutions, AGRID AGENT BASED GRİD SYSTEM, 2010 - 2018 Erdoğan T. N., Project Supported by Higher Education Institutions, A. WEB SERVİCES MARKET FRAMEWORK WİTH ROLE BASED AGENTS, 2009 - 2018

Erdoğan T. N., Project Supported by Higher Education Institutions, Güvenli Hareket Etmen Mimarisi, 2005 - 2007 Erdoğan T. N., Project Supported by Higher Education Institutions, Gezgin Etmen Tabanlı Dağıtılmış Yürütme Ortamı, 2004 - 2006

Metrics

Publication: 35 Citation (WoS): 116 Citation (Scopus): 153 H-Index (WoS): 4 H-Index (Scopus): 6

Non Academic Experience

İstanbul Teknik Universitesi Yıldız Teknik Universitesi