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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 (Journal Indexed in SCI Expanded)
- II. **Influential user weighted sentiment analysis on topic based microblogging community**
ELİACIK A. B. , Erdogan N.
EXPERT SYSTEMS WITH APPLICATIONS, vol.92, pp.403-418, 2018 (Journal Indexed in SCI)
- III. **Network Load Balancing with Strong Migration in an Agent Based Grid System Using CSP Approach**
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- IV. **A Generic Framework for Distributed Multirobot Cooperation**
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- 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 (Journal Indexed in SCI)
- VI. **Multiple Traveling Robot Problem: A Solution Based on Dynamic Task Selection and Robust Execution**
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- IEEE-ASME TRANSACTIONS ON MECHATRONICS, vol.14, no.2, pp.198-206, 2009 (Journal Indexed in SCI)
- VII. **Naval mine countermeasure missions - A distributed, incremental multirobot task selection scheme**
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- VIII. **A role model for description of agent behavior and coordination**
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- IX. **DCOBE: Distributed composite object-based environment**
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COMPUTER JOURNAL, vol.48, no.3, pp.273-291, 2005 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- XI. **Augmenting object persistency paradigm for faster server development**
Kemikli E., Erdoğan T. N.
ADVANCES IN INFORMATION SYSTEMS, vol.2457, pp.327-335, 2002 (Journal Indexed in SCI)

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 (Refereed Journals of Other Institutions)
- 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 (Other Refereed National Journals)
- 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 (Refereed Journals of Other Institutions)

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.

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- III. **Agent-Based Semantic Business Process Management Methodology**
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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**
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- V. **User-Weighted Sentiment Analysis for Financial Community on Twitter**
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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 için Kullanıcı Ağırlıklandırılmış Duygu Analizi Yöntemi**
Burak E., ERDOĞAN T. N.
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- VII. **Object Based Distributed Data Sharing In Multi-Agent Environment**
Pataci M., Erdogan N.
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- 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 RASİT 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), Wagnaghat, 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

Citations

Total Citations (WOS):113

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