

Prof. MEHMET HALİT S. OĞUZTÜRKÜN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABA-3509-2020

ScopusID: 24335821400

Yoksis Researcher ID: 183182

Education Information

Doctorate, The University of Iowa, Department Of Computer Science, United States Of America 1985 - 1991

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, Turkey
1982 - 1984

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, Turkey
1977 - 1982

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, A logical characterization of the observational equivalence of processes, The University Of Iowa, Department Of Computer Science, 1991

Postgraduate, Shrinkers: A Class of Recognizers for a Subclass of Context-Free Languages, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, 1984

Research Areas

Computer Sciences, Theoretical Computer Science, Formal Languages, Software, Software Engineering, Engineering and Technology

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, 2015 - Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering,

2011 - 2015

Lecturer, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, 2006 - 2011

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering,

1992 - 2006

Academic and Administrative Experience

Head of Department, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering,
2018 - Continues

Advising Theses

OĞUZTÜRK M. H. S., Model management for hypothesis-driven simulation experiment workflows, Doctorate,
S.ÇAM(Student), 2022

OĞUZTÜRK M. H. S., Real-time object-oriented framework for fmi co-simulation, Postgraduate, M.Çam(Student), 2020

OĞUZTÜRK M. H. S., Schedulability analysis of real-time multi-frame co-simulations on multi-core platforms, Doctorate,
M.Uzair(Student), 2020

OĞUZTÜRK M. H. S., Data sharing using mqtt and zigbee-based dds on resource-constrained contiki-based devices,
Postgraduate, T.Yıldırım(Student), 2020

OĞUZTÜRK M. H. S., A Dynamic Software Product Line for Remote Monitoring of Computer Systems, Postgraduate,
G.ERDİL(Student), 2019

OĞUZTÜRK M. H. S., CM2-based physical item hierarchy implementation for a product lifecycle management system,
Postgraduate, D.Abadan(Student), 2019

OĞUZTÜRK M. H. S., Multi-target implementation of a domain specific language for extended feature models,
Postgraduate, G.Demirtaş(Student), 2018

OĞUZTÜRK M. H. S., Multi-Target Implementation of a Domain Specific Language For Extended Feature Models,
Postgraduate, G.DEMİRTAŞ(Student), 2018

OĞUZTÜRK M. H. S., Dynamic constraint satisfaction algorithm for reconfiguration of feature models, Postgraduate,
S.ENTEKHABI(Student), 2018

OĞUZTÜRK M. H. S., Parallel resampling methods for particle filters on graphics processing unit, Doctorate,
Ö.DÜLGER(Student), 2017

OĞUZTÜRK M. H. S., Modeling and code generation for a reference software architecture for naval platform command
and control systems, Postgraduate, N.KÜBRA(Student), 2017

OĞUZTÜRK M. H. S., An object-oriented framework for functional mock-up interface co-simulation, Postgraduate,
M.ASLAN(Student), 2016

KARAGÖZ P, OĞUZTÜRK M. H. S., Spatiotemporal data mining for situation awareness in microblogs, Doctorate,
Ö.ÖZDİKİŞ(Student), 2016

OĞUZTÜRK M. H. S., SPARKS: A LANGUAGE FOR TEST SCRIPTING FOR INSTRUMENTATION SYSTEMS, Postgraduate,
M.SAEEDİ(Student), 2015

OĞUZTÜRK M. H. S., SCHMIDT Ş. E., RSAR: A layered software architecture for cyber-physical systems, Postgraduate,
E.AKAGÜNDÜZ(Student), 2015

SCHMIDT Ş. E., OĞUZTÜRK M. H. S., RSAR: a layered software architecture for cyber-physical systems /, Postgraduate,
E.Akagündüz(Student), 2015

ONUR E, OĞUZTÜRK M. H. S., Density estimation in large-scale wireless sensor networks, Postgraduate,
A.EROĞLU(Student), 2015

OĞUZTÜRK M. H. S., SparkS: a language for test process scripting for instrumentation systems, Postgraduate,
M.Saeedi(Student), 2015

OĞUZTÜRK M. H. S., Functional mockup unit adaptation for HLA-compliant distributed simulation, Postgraduate,
F.YILMAZ(Student), 2014

- OĞUZTÜRK M. H. S., A methodology for cross-resolution modeling in DEVS using EVENT-B refinement, Doctorate, A.KARA(Student), 2014
- OĞUZTÜRK M. H. S., BATMAZ İ., Metamodeling atomic models in discrete event system specification (DEVS) formalism using multivariate adaptive regression splines (MARS), Doctorate, C.DORUK(Student), 2014
- OĞUZTÜRK M. H. S., A goal question metric based tool for goal oriented business process modeling, Postgraduate, B.MERAL(Student), 2014
- OĞUZTÜRK M. H. S., Distributed discrete event simulation architecture with connectors, Postgraduate, İ.ÖZGÜR(Student), 2014
- OĞUZTÜRK M. H. S., YAZICI A., Describing the software architecture of a multimedia data management system, Postgraduate, Ç.AVCI(Student), 2013
- OĞUZTÜRK M. H. S., Feature modeling and automated analysis for an embedded software product family, Postgraduate, G.FEDAKAR(Student), 2013
- DOĞRU A. H., OĞUZTÜRK M. H. S., Condition oriented enrichment approach in business rule management systems, Postgraduate, M.HALİL(Student), 2013
- OĞUZTÜRK M. H. S., Oğuztüzün M., DDS based MIL-STD-1553B data bus interface simulation, Postgraduate, E.Deniz(Student), 2012
- OĞUZTÜRK M. H. S., KARATAŞ A. S., An xml-based feature modeling language, Postgraduate, L.Nabdel(Student), 2011
- OĞUZTÜRK M. H. S., Transforming mission space models to executable simulation models, Doctorate, G.Özhan(Student), 2011
- OĞUZTÜRK M. H. S., Variable structure and dynamism extensions to a devs based modeling and simulation framework, Postgraduate, F.Deniz(Student), 2010
- OĞUZTÜRK M. H. S., Ontology driven development for hla federates, Postgraduate, C.Fatma(Student), 2010
- OĞUZTÜRK M. H. S., Goal oriented modeling of situation awareness in a command and control system, Postgraduate, H.Ali(Student), 2010
- OĞUZTÜRK M. H. S., HLA fom development with model transformations, Postgraduate, A.Cem(Student), 2010
- OĞUZTÜRK M. H. S., Analysis of extended feature models with constraint programming, Doctorate, A.Serkan(Student), 2010
- OĞUZTÜRK M. H. S., Feature oriented domain specific language for dependency injection in dynamic software product lines, Postgraduate, O.Dayibaş(Student), 2009
- OĞUZTÜRK M. H. S., Dynamic model integration and 3d graphical interface for a virtual ship, Postgraduate, C.Alp(Student), 2008
- OĞUZTÜRK M. H. S., Model-based approach to the federation object model independence problem, Postgraduate, M.Fatih(Student), 2007
- OĞUZTÜRK M. H. S., Metamodeling for the HLA federation architectures, Doctorate, O.Topçu(Student), 2007
- OĞUZTÜRK M. H. S., Model-based code generation for the high level architecture federates, Doctorate, B.Mehmet(Student), 2007
- OĞUZTÜRK M. H. S., A metamodel for the high level architecture object model, Postgraduate, D.Çetinkaya(Student), 2005
- OĞUZTÜRK M. H. S., Coordinate systems for a naval virtual environment, Postgraduate, A.Kılıç(Student), 2005
- OĞUZTÜRK M. H. S., Specification and verification of confidentiality in software architectures, Doctorate, C.Ulu(Student), 2004
- OĞUZTÜRK M. H. S., Deriving a dynamic programming algorithm for batch scheduling in the refinement calculus, Postgraduate, İ.Aktuğ(Student), 2003
- OĞUZTÜRK M. H. S., Oğuztüzün M., Monitoring and checking of discrete event simulations, Postgraduate, B.Ulu(Student), 2003
- OĞUZTÜRK M. H. S., Oğuztüzün M., Proof of the basic theorem on concept lattices in Isabelle/HOL, Postgraduate, B.Sertkaya(Student), 2003

- I. **Data interoperability between DDS and HLA through a dynamically reconfigurable gateway**
 Kaya M. C., Cilden E., KARAMANLIOĞLU A., MURAT F., DOĞRU A. H., OĞUZTÜRKÜN M. H. S.
 Software - Practice and Experience, vol.53, no.11, pp.2200-2221, 2023 (SCI-Expanded)
- II. **Uphill resampling for particle filter and its implementation on graphics processing unit**
 Dülger Ö., OĞUZTÜRKÜN M. H. S., DEMİREKLER M.
 Parallel Computing, vol.115, 2023 (SCI-Expanded)
- III. **HYPOTHESIS-DRIVEN SIMULATION EXPERIMENTS WITH AN EXTENSION TO SED-ML**
 Cam S., Oguztuzun H., Yilmaz L.
 INTERNATIONAL JOURNAL OF SIMULATION MODELLING, vol.21, no.1, pp.17-28, 2022 (SCI-Expanded)
- IV. **Internet of Measurement Things Architecture: Proof of Concept with Scope of Accreditation**
 KAYA M. Ç., Nikoo M. S., Schwartz M. L., Oguztuzun H.
 SENSORS, vol.20, no.2, 2020 (SCI-Expanded)
- V. **Predetermined Rollbacks: An extension to Time Warp for spatially parallel agent-based simulation**
 Gorur B. K., İMRE K. M., Oguztuzun H., Yilmaz L.
 SIMULATION MODELLING PRACTICE AND THEORY, vol.95, pp.60-77, 2019 (SCI-Expanded)
- VI. **On the use of model-driven engineering principles for the management of simulation experiments**
 Dayibas O., Oguztuzun H., Yilmaz L.
 JOURNAL OF SIMULATION, vol.13, no.2, pp.83-95, 2019 (SCI-Expanded)
- VII. **Schedulability analysis of real-time multiframe cosimulations on multicore platforms**
 Ahsan M. U., Ozuztuzun H.
 TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.27, no.5, pp.3599-3614, 2019 (SCI-Expanded)
- VIII. **Internet of Measurement Things: Toward an Architectural Framework for the Calibration Industry**
 Nikoo M. S., KAYA M. Ç., Schwartz M. L., Oguztuzun H.
 INTERNET OF THINGS IN THE INDUSTRIAL SECTOR: SECURITY AND DEVICE CONNECTIVITY, SMART ENVIRONMENTS, AND INDUSTRY 4.0, pp.81-102, 2019 (SCI-Expanded)
- IX. **Memory Coalescing Implementation of Metropolis Resampling on Graphics Processing Unit**
 Dulger O., Oguztuzun H., DEMİREKLER M.
 JOURNAL OF SIGNAL PROCESSING SYSTEMS FOR SIGNAL IMAGE AND VIDEO TECHNOLOGY, vol.90, no.3, pp.433-447, 2018 (SCI-Expanded)
- X. **Usability evaluation of a web-based ontology browser: the case of TSONT**
 Karakus Yilmaz T., DURAK U., Oguztuzun H., ÇAĞILTAY K.
 TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.26, no.2, pp.1115-1128, 2018 (SCI-Expanded)
- XI. **A survey on location estimation techniques for events detected in Twitter**
 Ozdikis O., Oguztuzun H., Karagöz P.
 KNOWLEDGE AND INFORMATION SYSTEMS, vol.52, pp.291-339, 2017 (SCI-Expanded)
- XII. **Evidential estimation of event locations in microblogs using the Dempster–Shafer theory**
 Ozdikis O., Ogurtuzun H., Karagöz P.
 Information Processing and Management, vol.52, no.6, pp.1227-1246, 2016 (SCI-Expanded)
- XIII. **Dynamic simulation metamodeling using MARS: A case of radar simulation**
 Bozagac D., BATMAZ İ., Oguztuzun H.
 MATHEMATICS AND COMPUTERS IN SIMULATION, vol.124, pp.69-86, 2016 (SCI-Expanded)
- XIV. **Attribute-based variability in feature models**
 Karatas A. S., Oguztuzun H.
 REQUIREMENTS ENGINEERING, vol.21, no.2, pp.185-208, 2016 (SCI-Expanded)
- XV. **A Methodology for Resolution Mapping for Cross-Resolution Simulation using Event-B**
 Kara A., Oguztuzun H., Alpdemir M. N.
 COMPUTER JOURNAL, vol.58, no.11, pp.2804-2823, 2015 (SCI-Expanded)
- XVI. **Indexing Fuzzy Spatiotemporal Data for Efficient Querying: A Meteorological Application**
 Sozer A., YAZICI A., Oguztuzun H.

- IEEE TRANSACTIONS ON FUZZY SYSTEMS, vol.23, no.5, pp.1399-1413, 2015 (SCI-Expanded)
- XVII. Transformation of Conceptual Models to Executable High-Level Architecture Federation Models
Ozhan G., Oguztuzun H.
CONCEPTS AND METHODOLOGIES FOR MODELING AND SIMULATION: A TRIBUTE TO TUNCER OREN, pp.135-173, 2015 (SCI-Expanded)
- XVIII. From extended feature models to constraint logic programming
KARATAS A. S., Oguztuzun H., Dogru A. H.
SCIENCE OF COMPUTER PROGRAMMING, vol.78, no.12, pp.2295-2312, 2013 (SCI-Expanded)
- XIX. Layered simulation architecture: A practical approach
Topcu O., Oguztuzun H.
SIMULATION MODELLING PRACTICE AND THEORY, vol.32, pp.1-14, 2013 (SCI-Expanded)
- XX. Modeling Product Line Software Assets Using Domain-Specific Kits
ALTINTAS N. I., CETIN S., Dogru A. H., Oguztuzun H.
IEEE TRANSACTIONS ON SOFTWARE ENGINEERING, vol.38, no.6, pp.1376-1402, 2012 (SCI-Expanded)
- XXI. Supporting dynamic simulations with Simulation Modeling Architecture (SiMA): a Discrete Event System Specification-based modeling and simulation framework
Deniz F., Alpdemir M. N., Kara A., Oguztuzun H.
SIMULATION-TRANSACTIONS OF THE SOCIETY FOR MODELING AND SIMULATION INTERNATIONAL, vol.88, no.6, pp.707-730, 2012 (SCI-Expanded)
- XXII. Towards interoperable and composable trajectory simulations: an ontology-based approach
Durak U., Oguztuzun H., Algin C. K., Ozdikis O.
JOURNAL OF SIMULATION, vol.5, no.3, pp.217-229, 2011 (SCI-Expanded)
- XXIII. Model-based code generation for HLA federates
Adak M., Topcu O., Oguztuzun H.
SOFTWARE-PRACTICE & EXPERIENCE, vol.40, no.2, pp.149-175, 2010 (SCI-Expanded)
- XXIV. Querying Fuzzy Spatiotemporal Databases: Implementation Issues
Soezer A., YAZICI A., Oguztuezuen H., Petry F. E.
UNCERTAINTY APPROACHES FOR SPATIAL DATA MODELING AND PROCESSING: A DECISION SUPPORT PERSPECTIVE, vol.271, pp.97-116, 2010 (SCI-Expanded)
- XXV. ONTOLOGY-BASED DOMAIN ENGINEERING FOR TRAJECTORY SIMULATION REUSE
Durak U., Oguztuzun H., Ider S. K.
INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING, vol.19, no.8, pp.1109-1129, 2009 (SCI-Expanded)
- XXVI. Metamodeling live sequence charts for code generation
Topcu O., Adak M., Oguztuzun H.
SOFTWARE AND SYSTEMS MODELING, vol.8, no.4, pp.567-583, 2009 (SCI-Expanded)
- XXVII. Modeling and querying fuzzy spatiotemporal databases
Soezer A., YAZICI A., Oguztuezuen H., Tas O.
INFORMATION SCIENCES, vol.178, no.19, pp.3665-3682, 2008 (SCI-Expanded)
- XXVIII. A metamodel for federation architectures
Topcu O., Adak M., Oguztuezuen H.
ACM TRANSACTIONS ON MODELING AND COMPUTER SIMULATION, vol.18, no.3, 2008 (SCI-Expanded)
- XXIX. Ontology-based trajectory simulation framework
Durak U., Oguztuzun H., Ider S. K.
JOURNAL OF COMPUTING AND INFORMATION SCIENCE IN ENGINEERING, vol.8, no.1, 2008 (SCI-Expanded)
- XXX. Developing an HLA-based naval maneuvering simulation
Topcu O., Oguztuzun H.
NAVAL ENGINEERS JOURNAL, vol.117, no.1, pp.23-40, 2005 (SCI-Expanded)
- XXXI. Multilevel graph partitioning: an evolutionary approach
Kucupetek S., Polat F., Oguztuzun H.
JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY, vol.56, no.5, pp.549-562, 2005 (SCI-Expanded)

- XXXII. **Proof of the basic theorem on concept lattices in Isabelle/HOL**
 Sertkaya B., Oguztuzun H.
 COMPUTER AND INFORMATION SCIENCES - ISCIS 2004, PROCEEDINGS, vol.3280, pp.976-985, 2004 (SCI-Expanded)
- XXXIII. **A FRAGMENT OF 1ST-ORDER LOGIC ADEQUATE FOR OBSERVATION EQUIVALENCE**
 OGUZTUZUN H.
 LECTURE NOTES IN COMPUTER SCIENCE, vol.626, pp.278-292, 1992 (SCI-Expanded)

Articles Published in Other Journals

- I. **Incremental clustering with vector expansion for online event detection in microblogs**
 Ozdikis O., KARAGÖZ P., Oguztuzun H.
 SOCIAL NETWORK ANALYSIS AND MINING, vol.7, no.1, 2017 (ESCI)
- II. **Dynamic and context based interoperability to support infrastructure management in municipalities**
 TUFAN E., OĞUZTÜRKÜN M. H. S., AKYÜREK S. Z.
 Journal of the Urban and Regional Information Systems Association, vol.26, no.2, pp.33-49, 2015 (Scopus)
- III. **DDS based MIL-STD-1553B Data Bus interface simulation**
 Deniz E., Durak U., Guclu K., Oguztuzun H.
 JOURNAL OF DEFENSE MODELING AND SIMULATION-APPLICATIONS METHODOLOGY TECHNOLOGY-JDMS, vol.12, no.2, pp.179-188, 2015 (ESCI)
- IV. **Dynamic and context-based GIS interoperability to support infrastructure management in municipalities**
 Emrah T., AKYÜREK S. Z., OĞUZTÜRKÜN M. H. S.
 URISA Journal, vol.26, no.2, pp.33-50, 2015 (Scopus)
- V. **Feature Modeling and Automated Analysis for a Digital Television Product Family**
 Fedakar Gönül G., OĞUZTÜRKÜN M. H. S., KARATAŞ A. S.
 International Journal of Computer and Electrical Engineering, vol.6, no.4, pp.358-364, 2014 (Scopus)
- VI. **GoalDAG – Archimate integration**
 Gungor C., Gungor C., Oguztuzun H.
 Communications in Computer and Information Science, vol.465, pp.194-210, 2014 (Scopus)
- VII. **USING CONTEXT INFORMATION FOR STAGED CONFIGURATION OF FEATURE MODELS**
 KARATAŞ A. S., DOĞRU A. H., Oguztuzun H., Tolun M.
 JOURNAL OF INTEGRATED DESIGN & PROCESS SCIENCE, vol.15, no.2, pp.37-51, 2011 (ESCI)
- VIII. **Scenario management practices in HLA based distributed simulation**
 TOPÇU O., OĞUZTÜRKÜN M. H. S.
 Journal of Naval Science and Engineering, vol.6, no.2, pp.1-33, 2010 (Peer-Reviewed Journal)
- IX. **Modeling of Field Artillery Tasks with Live Sequence Charts**
 Ozhan G., Oguztuzun H., Evrensel P.
 JOURNAL OF DEFENSE MODELING AND SIMULATION-APPLICATIONS METHODOLOGY TECHNOLOGY-JDMS, vol.5, no.4, pp.219-252, 2008 (ESCI)
- X. **Coupled transport/chemistry calculations on the massively parallel processor computer**
 Carmichael G., Cohen D., Cho S., OĞUZTÜRKÜN M. H. S.
 Computers and Chemical Engineering, vol.13, no.9, pp.1065-1073, 1989 (Scopus)

Books & Book Chapters

- I. **Internet of Measurement Things: Toward an Architectural Framework for the Calibration Industry**
 Saeedi Nikoo M., Kaya M. Ç., Schwartz M. L., Oğuztuzun M. H. S.
 in: The Internet of Things in the Industrial Sector, Mahmood Z., Editor, Springer, Cham, pp.81-102, 2019

- II. **Guide to Distributed Simulation with HLA**
TOPÇU O., OĞUZTÜRKÜN M. H. S.
Springer International Publishing, Cham, 2017
- III. **Distributed Simulation A Model Driven Engineering Approach**
TOPÇU O., DURAK U., OĞUZTÜRKÜN M. H. S., YILMAZ L.
Springer, Zürich, 2016
- IV. **Extracting location information from crowd-sourced social network data**
KARAGÖZ P., OĞUZTÜRKÜN M. H. S., ÇAKICI R., ÖZDİKİŞ Ö., ÖNAL K. D., SAĞCAN M.
in: European Handbook of Crowdsourced Geographic Information, Capineri, C, Haklay, M, Huang, H, Antoniou, V, Kettunen, J, Ostermann, F and Purves, R , Editor, Ubiquity Press, Londrina, pp.195-204, 2016
- V. **Transformation of conceptual models to executable High Level Architecture federation models**
ÖZHAN G., OĞUZTÜRKÜN M. H. S.
in: Concepts and Methodologies for Modeling and Simulation, Yilmaz, Levent, Editor, Springer, pp.135-173, 2015
- VI. **Context based semantic relations in tweets**
Özdikiş Ö., Karagöz P., Oğuztüzün M. H. S.
in: State of the Art Applications of Social Network Analysis, Can F, Özyer T, Polat F, Editor, Springer, Zürich, pp.35-52, 2014
- VII. **Querying fuzzy spatio-temporal databases: Implementation issues**
SÖZER A., YAZICI A., OĞUZTÜRKÜN M. H. S., PETRY F.
in: Uncertainty Approaches for Spatial Data Modeling and Processing: A Decision Support Perspective (Studies in Computational Intelligence, vol. 271), J. Kacprzyk, F.E. Petry, A. Yazıcı, Editor, Springer, Heidelberg, pp.97-116, 2010

Refereed Congress / Symposium Publications in Proceedings

- I. **Software Architecture Evolution of a Physical Security Information Management System**
Özçelik O., Oğuztüzün M. H. S.
The Eighth International Conference on Advances and Trends in Software Engineering (SOFTENG 2022),
Barcelona, Spain, 24 - 28 April 2022, pp.15-20
- II. **UNCERTAINTY CALCULATION-AS-A-SERVICE: AN IIOT APPLICATION FOR AUTOMATED RF POWER SENSOR CALIBRATION**
ÇETİNKAYA A., KAYA M. Ç., Danaci E., OĞUZTÜRKÜN M. H. S.
IMEKO TC6 1st International Conference on Metrology and Digital Transformation, M4Dconf 2022, Berlin,
Germany, 19 - 21 September 2022
- III. **AUTORFPOWER: Automatic RF Power Measurement Software for Metrological Applications**
ÇETİNKAYA A., Dogan A. K., Danaci E., OĞUZTÜRKÜN M. H. S.
2nd International Informatics and Software Engineering Conference, IISEC 2021, Ankara, Turkey, 16 - 17 December 2021
- IV. **A framework for constructing agent-based aerospace simulations using model to text transformation**
DERE B. E., GÖRÜR B. K., OĞUZTÜRKÜN M. H. S.
2020 Summer Simulation Conference, Madrid, Spain, 20 July 2022
- V. **Implementation of the auxiliary sampling importance resampling particle filter on graphics processing unit Yardimli ornekleme onem yeniden ornekleme paracik siizgecinin grafi işleme biriminde gerceleke stirilmesi**
DÜLGER Ö., OĞUZTÜRKÜN M. H. S.
5th International Conference on Computer Science and Engineering, UBMK 2020, Diyarbakır, Turkey, 9 - 10 September 2020, pp.156-159
- VI. **Factors on the execution times of metropolis resampling and its variations**
DÜLGER Ö., OĞUZTÜRKÜN M. H. S.
5th International Conference on Computer Science and Engineering, UBMK 2020, Diyarbakır, Turkey, 9 - 10 September 2020, pp.152-155

- VII. **Transformation from SysML to RePast and Back**
Çam S., Görür B. K., Ledet J., Oğuztüzün H., Yilmaz L.
11th International Conference on Ambient Systems, Networks and Technologies, ANT 2020 / 3rd International Conference on Emerging Data and Industry 4.0, EDI40 2020 / Affiliated Workshops, Warszawa, Poland, 6 - 09 April 2020, vol.170, pp.845-850
- VIII. **Variability Extension to SparkS, a Domain Specific Scripting Language for Electronic Test Equipment**
Nikoo M. S., Oguztuzun H.
4th International Conference on Computer Science and Engineering, UBMK 2019, Samsun, Turkey, 11 - 15 September 2019, pp.767-772
- IX. **Contribution of the resampling stage to the execution time of particle filter Yeniden örnekleme adiminin parçacık süzgecinin çalışma zamanina katkisi**
Dulger O., Oguztuzun H.
27th Signal Processing and Communications Applications Conference, SIU 2019, Sivas, Turkey, 24 - 26 April 2019
- X. **Contribution of the Resampling Stage to the Execution Time of Particle Filter**
Dulger O., Oguztuzun H.
27th Signal Processing and Communications Applications Conference (SIU), Sivas, Turkey, 24 - 26 April 2019
- XI. **A CONFIGURABLE GATEWAY FOR DDS-HLA INTEROPERABILITY**
KAYA M. Ç., KARAMANLIOĞLU A., Cetintas I. C., Cilden E., Canberi H., Oguztuzun H.
Summer Simulation Conference (SummerSim), Berlin, Germany, 22 - 24 July 2019
- XII. **An MII-Aware SoA Editor for the Industrial Internet of Things**
Nikoo M. S., KAYA M. Ç., Schwartz M. L., Oguztuzun H.
2nd IEEE International Workshop on Metrology for Industry 4.0 and Internet of Things (IoT) (MetroInd4.0 and IoT), Naples, Italy, 4 - 06 June 2019, pp.213-218
- XIII. **Dynamic constraint satisfaction algorithm for online feature model reconfiguration**
Entekhabi S., KARATAŞ A. S., Oguztuzun H.
6th International Conference on Control Engineering and Information Technology, CEIT 2018, İstanbul, Turkey, 25 - 27 October 2018
- XIV. **Non-coalesced Access Patterns of Global Memory Load Transactions in Metropolis Resampling Implemented on Graphics Processing Unit**
Dulger O., Oguztuzun H.
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- XV. **Supporting Simulation Experiments with Megamodeling**
Cam S., Dayibas O., Gorur B. K., OĞUZTÜRKÜN M. H. S., Yilmaz L., Chakladar S., Doud K., Smith A. E., Teran-Somohano A.
6th International Conference on Model-Driven Engineering and Software Development (MODELSWARD), Funchal, Portugal, 22 - 24 January 2018, pp.372-378
- XVI. **Migration of Data from Relational Database to Graph Database**
Unal Y., Oguztuzun H.
8th ACM International Conference on Information Systems and Technologies (ACM ICIST), İstanbul, Turkey, 16 - 18 March 2018
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- XVIII. **DDS-HLA birlikte çalışabilirlik yaklaşımları üzerine bir literatür araştırması**
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- XXVI. **Özellik modelleri ve temsil ettileri ürün tipleri arasındaki ilişkilerin çözümlenmesi**
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- XXX. **Parçacık süzgeci için Metropolis yeniden örnekleme yönteminin grafik işleme biriminde gerçekleştirimi**
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OĞUZTÜRKÜN M. H. S., TUBITAK Project, Dinamik Ürün Hatlarında Otonom Evrim, 2016 - 2018
 OĞUZTÜRKÜN M. H. S., TUBITAK Project, Twitr Türkçe için Sosyal Ağlarda Olay Bulma ve Bulunan Olaylar için Konum Tahmini, 2013 - 2015

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Invited Talks

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Non Academic Experience

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