

## **Personal Information**

**Email:** atdogan@anadolu.edu.tr

**Web:** <https://avesis.anadolu.edu.tr/atdogan>

## **Journal articles indexed in SCI, SSCI, and AHCI**

- I. **1 Gbit/s UDP/IP Offload Engine IP Core with PCIe Interface**  
BATMAZ B., DOĞAN A.  
JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol.27, no.4, 2018 (SCI-Expanded)
- II. **IMPROVING REAL-TIME DATA DISSEMINATION PERFORMANCE BY MULTI PATH DATA SCHEDULING IN DATA GRIDS**  
ATANAK M. M., Dogan A.  
COMPUTING AND INFORMATICS, vol.34, no.2, pp.402-424, 2015 (SCI-Expanded)
- III. **A Low-Computational Approach on Gaze Estimation With Eye Touch System**  
TOPAL C., GÜNAL S., Kocdeviren O., Dogan A., GEREK Ö. N.  
IEEE TRANSACTIONS ON CYBERNETICS, vol.44, no.2, pp.228-239, 2014 (SCI-Expanded)
- IV. **DGridSim: a multi-model discrete-event simulator for real-time data grid systems**  
DOĞAN A., Atanak M. M., Tandogan S., ALTUĞ R. O., ŞENEL H. G.  
SIMULATION-TRANSACTIONS OF THE SOCIETY FOR MODELING AND SIMULATION INTERNATIONAL, vol.90, no.11, pp.1209-1230, 2014 (SCI-Expanded)
- V. **A study on performance of dynamic file replication algorithms for real-time file access in Data Grids**  
Dogan A.  
FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF ESCIENCE, vol.25, no.8, pp.829-839, 2009 (SCI-Expanded)
- VI. **Concurrent scheduling: Efficient heuristics for online large-scale data transfers in distributed real-time environments**  
Eltayeb M. S., Dogan A., Ozguner F.  
IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED SYSTEMS, vol.17, no.11, pp.1348-1359, 2006 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **Modeling and resource scheduling of real-time unsplittable data transfers**  
Atanak M. M., DOĞAN A., BAYRAM M.  
Applied Mathematics and Information Sciences, vol.9, no.2, pp.1067-1080, 2015 (Scopus)

## **Papers Presented at Peer-Reviewed Scientific Conferences**

- I. **An Efficient Low Area Implementation of 2-D DCT on FPGA**  
DOĞAN A.  
9th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 26 - 28 November 2015, pp.771-775, (Full Text)

- II. **Simulation of real-time Data Grid systems via DGridSim simulator**  
Tandoğan S., ATANAK M. M., DOĞAN A.  
2nd International Conference on Simulation and Modeling Methodologies, Technologies and Applications, SIMULTECH 2012, Rome, Italy, 28 - 31 July 2012, pp.182-185, (Full Text)
- III. **Heuristic Algorithms for Real-Time Unsplittable Data Dissemination Problem**  
ATANAK M. M., Dogan A.  
26th Annual International Symposium on Computer and Information Science, London, Canada, 26 - 28 September 2011, pp.43-49, (Full Text)
- IV. **A unified model for real-time data grids supporting distributed scheduling of jobs**  
Tandoğan S., ATANAK M. M., DOĞAN A.  
IASTED International Conference on Applied Simulation and Modelling, ASM 2011, Crete, Greece, 22 - 24 June 2011, pp.117-124, (Full Text)
- V. **Effect of multiple flow on performance of real-time data grids**  
Atanak M. M., DOĞAN A.  
2011 International Conference on Network Computing and Information Security, NCIS 2011, Guilin, China, 14 - 15 May 2011, vol.1, pp.74-78, (Full Text)
- VI. **DGridSim: A REAL-TIME DATA GRID SIMULATOR WITH HIERARCHICAL JOB AND DATA SCHEDULING**  
Tandogan S., Dogan A., KANDEMİR C. M.  
1st International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH 2011), Noordwijkerhout, Netherlands, 29 - 31 July 2011, pp.174-179, (Full Text)
- VII. **A WORK ON REAL-TIME DATA DISSEMINATION PROBLEM**  
ATANAK M. M., Dogan A.  
9th International Industrial Simulation Conference, Venice, Italy, 6 - 08 June 2011, pp.83-90, (Full Text)
- VIII. **A Real-Time Data Grid Model With Centralized Job Scheduling**  
ATANAK M. M., Tandogan S., Dogan A.  
11th Middle Eastern Simulation Multiconference, Alexandria, Canada, 1 - 03 December 2010, pp.133-137, (Full Text)
- IX. **A HEAD-MOUNTED SENSOR-BASED EYE TRACKING DEVICE: EYE TOUCH SYSTEM**  
TOPAL C., GEREK Ö. N., Dogan A.  
Eye Tracking Research and Applications Symposium, Savannakhet, Laos, 26 - 28 March 2008, pp.87-90, (Full Text)
- X. **A Wearable Head-Mounted Sensor-Based Apparatus for Eye Tracking Applications**  
TOPAL C., DOĞAN A., GEREK Ö. N.  
IEEE International Conference on Virtual Environments, Human-Computer Interfaces and Measurement Systems, İstanbul, Turkey, 14 - 16 July 2008, pp.136-139, (Full Text)
- XI. **Impact of Peer-to-Peer Communication on Real-time Performance of File Replication Algorithms**  
ATANAK M. M., Dogan A.  
23rd International Symposium on Computer and Information Sciences (ISCIS), İstanbul, Turkey, 27 - 29 October 2008, pp.544-549, (Full Text)
- XII. **Performance of file replication policies for real-time file access in data grids**  
DOĞAN A.  
1st International Conference on Networks for Grid Applications, GridNets 2007, Lyon, France, 17 - 19 October 2007, (Full Text)
- XIII. **Performance of real-time data scheduling heuristics under data replacement policies and access patterns in data grids**  
Dogan A.  
4th International Symposium on Parallel and Distributed Processing and Applications, Sorrento, Italy, 4 - 06 December 2006, vol.4330, pp.884-893, (Full Text)
- XIV. **A comparison of static QoS-based scheduling heuristics for a meta-task with multiple QoS dimensions in heterogeneous computing**  
Golconda K. S., Özgüner F., DOĞAN A.  
Proceedings - 18th International Parallel and Distributed Processing Symposium, IPDPS 2004 (Abstracts and CD-

ROM), Santa Fe, NM, United States Of America, 26 - 30 April 2004, vol.18, pp.1437-1449, (Full Text)

**XV. Evaluation of intersection collision warning system using an inter-vehicle communication simulator**

Doğan A., Korkmaz G., Liu Y., Özgüner F., Özgüner Ü., Redmill K., Takeshita O., Tokuda K.

Proceedings - 7th International IEEE Conference on Intelligent Transportation Systems, ITSC 2004, Washington, United States Of America, 3 - 06 October 2004, pp.1103-1108, (Full Text)

**XVI. A data scheduling algorithm for autonomous distributed real-time applications in grid computing**

Eltayeb M., DOĞAN A., Özgüner F.

Proceedings - 2004 International Conference on Parallel Processing, ICPP 2004, Montreal, Canada, 15 - 18 August 2004, pp.388-395, (Full Text)