

Assoc. Prof. KAYHAN MUSTAFA İMRE

Personal Information

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Education Information

Doctorate, University Of Edinburgh, Faculty Of Science And Engineering, United Kingdom 1988 - 1994

Postgraduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Bilimleri Mühendisliği (YI) (Tezli), Turkey 1985 - 1987

Undergraduate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Bilgisayar Bilimleri Mühendisliği Bölümü, Turkey 1980 - 1985

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, A Performance monitoring and analysis environment for distributed memory MIMD programs, University Of Edinburgh, Faculty Of Science And Engineering, 1993

Postgraduate, Mikrobilgisayarlar için çok görevli gerçek zamanlı bir işletim yazılımının tasarımı ve gerçekleştirimi, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Bilimleri Mühendisliği (YI) (Tezli), 1987

Academic and Administrative Experience

Hacettepe Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2010 - 2012

Hacettepe Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2004 - 2006

Hacettepe Üniversitesi, Bilişim Enstitüsü, Bilişim Sistemleri Anabilim Dalı, 2004 - 2006

Hacettepe Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 1994 - 1996

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Predetermined Rollbacks: An extension to Time Warp for spatially parallel agent-based simulation**
Gorur B. K. , İMRE K. M. , OĞUZTÜZÜN M. H. S. , Yılmaz L.
SIMULATION MODELLING PRACTICE AND THEORY, vol.95, pp.60-77, 2019 (Journal Indexed in SCI)
- II. **Scheduling computation and communication on a software-defined photonic Network-on-Chip architecture for high-performance real-time systems**
TEMUÇİN H., İMRE K. M.
JOURNAL OF SYSTEMS ARCHITECTURE, vol.90, pp.54-71, 2018 (Journal Indexed in SCI)
- III. **Systematic approach for deriving feasible mappings of parallel algorithms to parallel computing platforms**
Arkin E., Tekinerdogan B., İMRE K. M.
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.29, no.1, 2017 (Journal Indexed in SCI)

- IV. **Dual-mode routing approach for photonic network on chip platforms**
İMRE K. M.
JOURNAL OF SUPERCOMPUTING, vol.72, no.3, pp.904-925, 2016 (Journal Indexed in SCI)
- V. **Deriving Feasible Deployment Alternatives for Parallel and Distributed Simulation Systems**
Celik T., TEKİNERDOĞAN B., İMRE K. M.
ACM TRANSACTIONS ON MODELING AND COMPUTER SIMULATION, vol.23, no.3, 2013 (Journal Indexed in SCI)
- VI. **A parallel implementation of Strassen's matrix multiplication algorithm for wormhole-routed all-port 2D torus networks**
Baransel C., İMRE K. M.
JOURNAL OF SUPERCOMPUTING, vol.62, no.1, pp.486-509, 2012 (Journal Indexed in SCI)
- VII. **Efficient and Scalable Routing Algorithms for Collective Communication Operations on 2D All-Port Torus Networks**
İMRE K. M. , Baransel C., ARTUNER H.
INTERNATIONAL JOURNAL OF PARALLEL PROGRAMMING, vol.39, no.6, pp.746-782, 2011 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **A photonic-based sensor data distribution approach for a real-time multi-processor system**
TEMUÇİN H., İMRE K. M.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- II. **Model-Driven Approach for Supporting the Mapping of Parallel Algorithms to Parallel Computing Platforms**
Arkin E., Tekinerdogan B., İMRE K. M.
ACM/IEEE 16th International Conference on Model-Driven Engineering Languages and Systems (MODELS), Florida, United States Of America, 29 September - 04 October 2013, vol.8107, pp.757-773

Supported Projects

İMRE K. M. , TUBITAK Project, Kriptolanmış Verilere Yüksek Performanslı Erişim Sistemi KVPES, 2014 - 2015

Citations

Total Citations (WOS):29

h-index (WOS):4