

# HAMID MOHAMMADI FARD

## PERSONAL INFORMATION

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## EDUCATION

2015, PhD of Computer Science, University of Innsbruck, Austria

2008, MSc of Computer Engineering (Software), University of Mashhad, Iran

1997, Bachelor of Computer Engineering (Software), Iran University of Science and Technology, Iran

## ACADEMIC POSITIONS

2018–present, Associate Professor, Computer and Information Technology Group, Eqbal Institute of Higher Education, Iran

2016–2017, Lecturer, Computer Group, Payame Noor University of Mashhad, Iran

2015–2016, Postdoctoral researcher, Distributed and Parallel Systems group, University of Innsbruck, Austria

2009–2015, Researcher, Distributed and Parallel Systems group, University of Innsbruck, Austria

2008–2009, Lecturer, Computer group, Kharazmi Institute of Higher Education, Iran

## RESEARCH INTERESTS

Parallel and distributed systems

Cloud computing

High-performance scientific computing

Scheduling and optimization

Cybersecurity

## AWARDS

2008, the best researcher, Telecommunication Company of Iran

2013, Doktoratsstipendium (Tranche 2013), University of Innsbruck, Austria

2014, Doktoratsstipendium (Tranche 2014), University of Innsbruck, Austria

## **PROGRAM COMMITTEE MEMBERSHIPS**

The Seventh International Conference on Cloud Computing, GRIDs, and Virtualization, CLOUD COMPUTING 2016, March 20 - 24, 2016 - Rome, Italy

## **JOURNAL REVIEWS (SELECTIONS)**

Elsevier Future Generation Computer Systems (FCGS) Journal

IEEE Transactions on Parallel and Distributed Systems (TPDS) Journal

Elsevier Journal of Parallel and Distributed Computing (JPDC)

Many IEEE, ACM, IARIA and other Conferences

## **SUPERVISED THESES**

2018, Forensic in Cloud Infrastructures, Master Thesis (on going)

2017, High Performance Computing in Federated Cloud, Master Thesis

2016, Cloud Computing Challenges, Bachelor Thesis

2016, High Performance Computing with Android Application, Bachelor Thesis

## **TEACHING (SELECTION)**

2018, Advanced Computer Networks, for master students, Eqbal Institute of Higher Education

2018, Operating System, Eqbal Institute of Higher Education

2018, Discrete Mathematics, Eqbal Institute of Higher Education

2018, Modern Datacenter, Education Center of Telecommunication Company of Iran

2018, IT Security, Education Center of Telecommunication Company of Iran

2017–2018, Cloud Computing, Education Center of Telecommunication Company of Iran

2016, Advanced Programming, Payame Noor University

2016–2017, Machine and Language Theory, Payame Noor University

2016–2017, Discrete Mathematics, Payame Noor University

2016-2017, Web Programming, Bahar Institute of Higher Education

2016, Operating System, Bahar Institute of Higher Education

2008–2009, Data Structure, Kharazmi Institute of Higher Education

## **PUBLICATIONS**

Hamid Mohammadi Fard, Sasko Ristov, and Radu Prodan, "Handling the Uncertainty in Resource Performance for Executing Workflow Applications in Clouds", In *Proceedings of the 9th International Conference on Utility and Cloud Computing (UCC '16)*, ACM, New York, NY, USA, pp. 89-98., 2016

Hamid Mohammadi Fard, Multi-Objective Scheduling for Scientific Workflow Applications in Grid and Cloud Infrastructures, PhD Thesis, University of Innsbruck (Supervisor: Prof. Thomas Fahringer), 2015

Hamid Mohammadi Fard, Radu Prodan, Thomas Fahringer, "Multi-Objective List Scheduling of Workflow Applications in Heterogeneous Computing infrastructures", *JPDC (Journal of Parallel and Distributed Computing)*, 74(3): 2152-2165, 2014.

Hamid Mohammadi Fard, Thomas Fahringer and Radu Prodan, "Budget Constrained Resource Provisioning for Scientific Applications in Cloud", in proceeding of *IEEE Clodcom2013*, Bristol, UK, 315-322, Dec. 2013.

Hamid Mohammadi Fard, Radu Prodan and Thomas Fahringer, "A Truthful Dynamic Workflow Scheduling Mechanism for Commercial Multi-Cloud Environments", *IEEE Transactions on Parallel and Distributed Systems (TPDS) journal*, vol. 24, no. 6, pp. 1203-1212, June 2013.

Juan J. Durillo, Hamid Mohammadi Fard and Radu Prodan, "MOHEFT: A Multi-objective List-based Method for Workflow Scheduling," in *4th IEEE International Conference on Cloud Computing Technology and Science*, 185-192, Taiwan, 2012.

Hamid Mohammadi Fard, Radu Prodan, Juan Jose Durillo Barrionuevo and Thomas Fahringer, "A Multi-Objective Approach for Workflow Scheduling in Heterogeneous Environments," in proceeding of the *12th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2012)*, p.p. 300-309, Ottawa, Canada, 2012.

Hamid Mohammadi Fard, Radu Prodan, Georg Moser, Thomas Fahringer, A Bi-Criteria Truthful Mechanism for Scheduling of Workflows in Clouds. In *Third IEEE International Conference on Cloud Computing Technology and Science (Cloudcom 2011)*, Athens, Greece, pp. 599-605, 2011.

Radu Prodan, Marek Wiczorek, Hamid Mohammadi Fard, "Double Auction-based Scheduling of Scientific Applications in Distributed Grid and Cloud Environments", *Journal of Grid Computing*, Volume 9, Number 4, pp. 531-548, 2011.

Hamid Mohammadi Fard, Hossein Deldari, "An Economic Approach for Scheduling Dependent Tasks in Grid Computing", in *11th IEEE International Conference on Computational Science and Engineering Workshops*, San Paulo, Brazil, 2008.

Hamid Mohammadi Fard, Economy Grid Computing, Master's Thesis, Azad University of Mashhad (Supervisor: Prof. Hossein Deldari), 2008

Hamid Mohammadi Fard, Hossein Deldari, "Scheduling of Dependent Tasks in Grid Computing", in *13th IEEE CSI Computer Conference (CSICC2008)*, Kish Island, Iran, 2008.

## **WORKSHOP PRESENTATION**

Hamid Mohammadi Fard, "Cloud-based Datacenters Using VMware Technologies", in *Iranian Conference on Electrical Engineering (ICEE)*, Mashhad, Iran, 2018.

## **TECHNICAL SKILLS (SELECTION)**

Programming (C, C++, C#, Java, Pascal, OpenMP and MPI)

Databases (MySQL, MS SQL, Oracle and PostgreSQL)

Cybersecurity (CEH, Forensic, SIEM, Malware hunting and Enterprise Antivirus Management)

Network and data center (CISCO, HP, VMware, Veritas, PRTG and etc.)

E-Commerce (Web programming, SEO, Startup founding and etc.)

System Analysis (SSADM and UML)

## **NON-ACADEMIC HISTORY**

2016–present, Datacenter security manager, in Telecommunication Company of Iran

2013–present, Mentor, in several national Startup-weekend events

2008–present, Consultant in different IT fields, in several Iranian organizations

2006–2008, Member of SG13 and SG17: research groups of Iranian branch of ITU Telecommunication Standardization Sector (ITU-T)

1999–2008, System analyst and software architecture, in Telecommunication Company of Iran

1998–1999, System analyst and software developer, in National Iranian Copper Industries Company

## **LANGUAGES**

Persian (mother tongue)

English

German (B1 certificate)