

Curriculum Vitae

Hadi Salimi

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Personal Data

Name: Hadi Salimi

Date of Birth: February 15, 1980

Permanent Address: Distributed Systems Lab., School of Computer Engineering, Iran University of Science and Technology, Tehran, IRAN.

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Education

- **2007-now:** Ph.D. Candidate in Software Engineering, Computer Engineering Department, Iran University of Science and Technology, Tehran, IRAN.
Thesis: QoS-Aware Virtual Machine Scheduling in Support of Cloud Computing Environments.
Supervisor: Dr. Mohsen Sharifi
- **2003-2005:** M.S. in Software Engineering, Computer Engineering Department, Iran University of Science and Technology, Tehran, IRAN. (GPA: 17.00 on a 20 scale)
Thesis: Integrating Replication and Transaction Manager Services in CORBA
Supervisor: Dr. Mohsen Sharifi.
- **1998-2002:** B.Sc. in Software Engineering, Computer Engineering Department, Sharif University of Technology, Tehran, IRAN. (GPA: 16.20 on a 20 scale. The department average is 13.54.)
Thesis: Design and Implementation of a Remote Controller for Primavera
Supervisor: Dr. Seyed Hassan Mirian.

Teaching Experience:

- Distributed Systems (Spring 2010)
- Virtual Machines (Fall 2009 and 2010)
- Component Based Software Engineering (Fall 2010)
- Concurrent Programming (Spring 2008, Fall 2009)
- Operating Systems (Spring 2008)
- Operating Systems Lab (Fall and Spring 2007 and 2008)
- Software Engineering (Spring 2007 and 2008)
- Advanced Programming in C++ (Fall and Spring 2003, 2004, 2005 and 2006)

Academic Interests

- Virtualization Technology
- Distributed Systems (Clouds, Grid, Clusters, ...)

- Operating Systems
- Fault-Tolerant Computing
- Parallel and Distributed Programming

Skills

- Advanced Linux Programming
- Parallel and Distributed Programming (Cilk++, OpenMP, CUDA and MPI)
- Object Oriented Analysis and design
- Object Oriented Modeling (in UML)
- C++, C# and Pascal Programming languages
- Microsoft Visual C++ MFC Programming
- COM-Based Software Development
- Advanced CORBA Programming

Publications:

- M. Sharifi, **H. Salimi**, A. Saberi and J. Gharibshah, “*VMM Detection Using Privilege Rings and Benchmark Execution Times*”, To Be Appeared in International Journal of Information & Communication Technology (IJICT).
- A. Hamidi, **H. Salimi**, M. Sharifi, “*A Transparent Virtual Machine Monitor Packet Compression Network Service*”, World Conference in Information Technology, Istanbul, Turkey, 2010.
- M. Najafzadeh, **H. Salimi**, M. Sharifi and A. Hamidi, “*VMM-Level Distributed Transparency Provisioning Using Cloud Infrastructure Technology*”, 4th International DMTF Academic Alliance Workshop on Systems and Virtualization Management: Standards and the Cloud, Ontario, Canada, 2010.
- A. Hamidi, **H. Salimi** and M. Sharifi, “*Network Service Provisioning using System Level Virtualization*”, The First Workshop in Provisioning and Management of Service Oriented Architecture and Cloud Computing (PROMASC'10), Tozeur, Tonisia, May 2010.
- A. Rezaei, **H. Salimi** and M. Sharifi, “*Improving Software Dependability using System-Level Virtualization*”, Sixth International Symposium on Frontiers of Information Systems and Network Applications (FINA10), Co-located with AINA 2010, Perth, Australia, April 2010.
- **H. Salimi**, M. Sharifi and A.M. Sayyah, “*Analysis of a Replication-Aware Transaction Model by Means of Stochastic Reward Networks*”, International Conference on Distributed Frameworks and Applications, Penang, Malaysia, October 2008.
- **H. Salimi**, A.M. Sayyah, M. Sharifi, “*ALMAS: An Application-Level Memory Management Service*”, International IEEE Conference on Information and Communication Technologies: from Theory to Application (ICTTA'08), Damascus, Syria, April 2008.
- **H. Salimi**, M. Sharifi, “*OTSX: An Extended Transaction Service in Support of FT-CORBA Standard*”, the 7th ACS/IEEE Conference on Computer Systems and Applications (AICCSA'08), Qatar, April 2008.

- M. Sharifi, **H. Salimi**, "*CMI: A Method to Configure CORBA Remote Calls in Support of FT-CORBA Fault-Detection Mechanisms*", Iranian Journal of Science & Technology, Transaction B, Engineering, Vol. 30, No. B6, December 2006.
- **H. Salimi**, M. Sharifi, "*Integrating Replication and Transaction Management Services in CORBA from Replica Consistency Point of View*", the 2nd IEEE International Conference on Information and Communication Technologies: from Theory to Application (ICTTA'06), Damascus, Syria, April 2006.
- M. Sharifi, **H. Salimi**, "*Replication-Aware Transactions: How to Roll a Transaction over Failures*", Lecture Notes in Computer Science (LNCS), No. 2006, Springer Verlag, pp. 203-214, June 2006.
- S. Parsa, S. Lotfi and **H. Salimi**, "*Syntax-Directed and Automatic Analysis of Program Code*", the 11th Annual Int. Computer Conference of the Computer Society of Iran, February 2005, Tehran, IRAN.
- H. Sarmadi, F. Shams and **H. Salimi**, "*Logical Circuits*", Sanjesh Press, Tehran, Iran, 2006.
- **H. Salimi**, "*NGMF: A Generic Framework for Constructing Graph-Based Systems*", Accepted Student Paper in the 19th International Conference on Object Oriented Programming, Systems, Languages and Applications (OOPSLA'04), October 2004, Vancouver, Canada.
- **H. Salimi**, "*Transforming Single-User Applications to Distributed Ones*", Accepted and Ranked 2nd paper in the 6th Computer Faculty and Student Conference (CFSC6), November 2002, Tehran, Iran.

Industrial Experiences:

- **2004-now**: Nebras Entity Manager, Project Manager, Developer
An integrated enterprise application for managing business entities
- **2003-2004**: Nebras Persistence Service (NPS), Developer
A CORBA-based persistence service for life cycle management of distributed objects
- **2002-2003**: Nebras Classifier, Project Manager
A framework for constructing hierarchy-based applications
- **2001-2002**: Nebras Document Management System (NDMS), Developer
A large scale system for managing business entities, their relationships, history, security and so on
- **2000-2001**: Virtual Lab, Developer
A simulation environment for physics experiments for high school students.

Working Experience

- **2001-now**: Object Oriented Analysis, Design and Programming in Nebras Informatics Co¹.
- **2000-2001**: Programming with Microsoft Visual C++ Language in KOG Co².

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² 2nd floor, No 24, Golha Blvd., North Zanjan Ave. Tehran, IRAN, Tel: +98-21-970963, URL: www.kog.com