

Curriculum Vitae

Parisa Haghani

EPFL IC IIF LSIR
BC 130 (Batiment BC)
Station 14
CH- 1015 Lausanne

Phone: (+41) 21 693 6747
Email: parisa.haghani@epfl.ch

Education

- **Ph.D. in Computer Science** **Oct 2006- Present**
Ecole Polytechnique Federale de Lausanne (EPFL), Switzerland
 - Supervisor: Prof. Karl Aberer
- **M.Sc. (Ranked First) in Computer Engineering** **June 2006**
Sharif University of Technology, Tehran, Iran
 - GPA : 19.11/20
 - Thesis: Developing a new Evidence Theory based on the diffusion operator.
 - Supervisor : Dr. Saeed Bagheri
- **B.Sc. (Ranked First) in Computer Engineering** **June 2004**
Isfahan University of Technology, Isfahan, Iran
 - GPA : 18.43/20
 - B.Sc. Project: Security in Ad-hoc Networks.
 - Supervisor: Dr. Masood Hashemi

Honors and Awards

- Graduated with rank 1 among M. Sc. Students in Artificial Intelligence, Sharif University of Technology, Sharif, Iran, Sept. 2004-Sept. 2005
- Ranked 6th among approximately 2000 participants in the National Graduate Examination for Computer Engineering, Iran, Sept. 2004.
- Graduated with rank 1 among 60 B. Sc. Students in Computer Engineering, Isfahan University of Technology, Isfahan, Iran, Sept. 2004.
- Member of “Sahand Soccer Simulation Team” which took part in International Robocup Competitions, Italy, July 2003.
- Ranked 290 among approximately 350,000 in the National Entrance Examination for Iranian Universities, Iran, July 2000.
- Achieving a score above 10500 in the National Entrance Examination and becoming a member of “National Organization for Developing Exceptional Talents”, Isfahan University of Technology, Isfahan, Iran, Sep. 2000.

Research Interests

- Information Systems and Databases
 - Distributed high dimensional data management
 - Data streams
 - Uncertain databases
 - Sensor networks
- Distributed Systems and Networking
 - Peer to peer systems
 - Ad-hoc and self organized networks
 - Security in sensor networks

Publications

- Philippe Cudré-Mauroux , **Parisa Haghani**, Michael Jost, Karl Aberer, Hermann de Meer: idMesh: Graph-Based Disambiguation of Linked Data. 18th International World Wide Web Conference (WWW2009), April 20-24 2009, Madrid, Spain.
- **Parisa Haghani**, Sebastian Michel, Karl Aberer: Distributed Similarity Search in High Dimensions Using Locality Sensitive Hashing. 12th International Conference on Extending Database Technology (EDBT 2009), March 23-26 2009, Saint-Petersburg, Russia.
- **Parisa Haghani**, Sebastian Michel, Philippe Cudre-Mauroux, Karl Aberer: LSH At Large - Distributed KNN Search in High Dimensions 11th International Workshop on Web and Databases (WebDB 2008), Vancouver, Canada, June 13, 2008.
- **Parisa Haghani**, Panos Papadimitratos, Marcin Poturalski, Karl Aberer, and Jean-Pier. Hubaux: Efficient and Robust Secure Aggregation for Sensor Networks, The Third IEEE Workshop on Secure Network Protocols (NPSec 2007), in conjunction with IEEE ICNP 2007, Beijing, China, October 2007.
- Philippe Cudré-Mauroux, Suchit Agarwal, Adriana Budura, **Parisa Haghani**, Karl Aberer: Self-Organizing Schema Mappings in the GridVine Peer Data Management System. VLDB 2007: 1334-1337
- Negar Sadat Mirsattari, **Parisa Haghani**, and Mansour Jamzad: Feature Watermarking in Digital Documents for Retrieval and Authentication, 11th International CSI Computer Conference CSICC 2006, Iran.
- **Parisa Haghani**, Negar Mirsattari, Sara Rahmati, Navid Gharineh, Hossein Nourikah: Sahand Soccer Simulation Team, Team Description Paper, Robocup 2003, Italy.

Experience

2006-Present **Research Assistant (Distributed Information Systems Lab. EPFL)**
- involved in the EU project “NEPOMUK”
<http://nepomuk.semanticdesktop.org/xwiki/bin/view/Main/WebHome>

Teaching Assistant (Fall 2008)
- Distributed Information Systems

2004-2006 **Research (Artificial Creatures Lab, Sharif University of Technology) :**
- Studying Dempster-Shafer Evidence Theory and Successors
- Working towards using a Fuzzy Operator in Evidence Theory

Teaching (Sharif University of Technology):

Graduate Teaching Assistant: Discrete Structures, Programming Course (C++), Theory of Languages and Automata

2000-2004

Teaching :

Teaching an "Introduction to Internet" course at Math. House, Isfahan, Iran.

English Proficiency

- **TOEFL** (Test of English as a Foreign Language)
October 2005, Total Score: 657 - TWE: 4.5/6
- **GRE** (Graduate Record Examination)
October 2005, Score : Verbal : 520/800 - Quantitative: 790/800 - Analytical : 4/6

Graduate Courses

- Ph.D. courses (EPFL)**
- Self-organized wireless and sensor networks 6.0/6.0
 - Advanced Analysis of Algorithms 5.0/6.0
 - Advanced Topics in Database Systems 6.0/6.0
- M.Sc. course (Sharif Univ. of Tech)**
- Neural Network 20.0/20.0
 - Digital Signal Processing 19.5/20.0
 - Image Processing 19.4/20.0
 - Planning 19.6/20.0
 - Fuzzy Systems 20.0/20.0
 - Evolutionary Processing 17.5/20.0
 - Advance Image Processing 18.2/20.0

Computer Skills

- **Platforms:** Windows 2000/98/NT, LINUX, DOS.
- **Languages:** Pascal, C++, Delphi, Java, Visual C++, Prolog.
- **Software:** MATLAB, Clementine, Weka, ns-2.