

Hamed Ghasemieh

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Education

- **PhD. Candidate.** Under supervision of [Prof. B. Haverkort](#) and [Dr. A. Remke](#) **University of Twente**, Netherlands, Since Oct. 2011
- **M.Sc.** in Mathematics with specialization in Operation Research **University of Twente**, Netherlands, Since Sep. 2014
- **M.Sc.** in Computer Science. Under Supervision of [Prof. E. S. Mahmoodian](#) and cosupervision of [Dr. M. A. Safari](#) **Sharif University of Technology**. Iran, 2008-2011
- **B.Sc.** in Software Engineering, Under Supervision of [Dr. R. A. Zoroofi](#) **University of Tehran**, Iran, 2003-2007
- **Diploma** in Mathematics and Physics, Rozbeh High School, Tehran, Iran, 2002

Honors

- Ranked 16th in Nationwide graduate entrance exam for computer science, among more than 10,000 participants, 2008
- Top 0.1% of the Nationwide universities entrance exam among more than 600,000 participants, 2003

Publications

Journal papers

- **Pricing in population games with semi-rational agents**, H. Ghasemieh, M. Ghodsi, H. Mahini, M. A. Safari; Elsevier Journal of Operation Research Letters
- **Cascading failure tolerance of modular small-world networks**, M. R. Babaei, H. Ghasemieh, M. Jalili; IEEE Transactions on Circuits and Systems II
- **Survivability Evaluation of Gas, Water and Electricity Infrastructures**, Electronic Notes in Theoretical Computer Science

Conference papers

- **Hybrid Petri nets with multiple stochastic transition firings**, H. Ghasemieh, A. Remke, B. Haverkort; VALUETOOLS 2014
- **Analysis of a sewage treatment facility using hybrid Petri nets**, H. Ghasemieh, A. Remke and B. Haverkort; VALUETOOLS 2013
- **Survivability evaluation of fluid critical infrastructure using hybrid Petri nets**, H. Ghasemieh, A. Remke and B. Haverkort; PRDC 2013
- **Region-based analysis of hybrid Petri nets with a single general one-shot transition**, H. Ghasemieh, A. Remke, B. Haverkort and M. Gribaudo; FORMATS 2012

Teaching Experience

- Teacher Assistant: University of Twente
 - Performance Evaluation, Winter 2012-13
- Teacher Assistant: Fall 2005 to 2007, University of Tehran
 - Operating Systems, Fall 2006
 - Internet Engineering, Spring 2007

- Technical Skills**
- **Programming languages:** C/C++, Java, C# and Concepts of functional programming
 - **APIs:** OpenGL, OpenCV
- Work Experience**
- **Designer and Developer. 2010**
ImageBased Vehicle Speed Detection; Detecting speed of vehicles in real streets, this system is now widely used in roads of Iran.
Administrated by Basir Technology Company
 - **Designer and Developer. 2009**
ImageBased Body Defection Detection in Car Production Line; Detecting defec-tion like extra gaps, in car body for production line.
Administrated by Basir Technology Company
 - **Designer and Developer. 2008**
ImageBased Camera Tracker for Virtual Studio Set; Camera Tracker system to estimate the position and orientation of studio camera according to specific pat-tern installed in studio.
Administrated by Basir Technology Company
 - **Designer and Developer. 2008**
Virtual Studio Set; Developing a system which allows placing live actors or other real objects in graphically generated 3D environments for live production.
Administrated by Basir Technology Company
- Language Skills**
- Fluent in English:
TOEFL Score: 102/120 (R:29/30 , L:28/30 , S:23/30 , W:22/30)
 - Familiar with Arabic
- Athletic Skills**
- Degree 2 as a Life Guard from international swimming federation.
 - Degree Kyu1 in Judo art from IRI Judo federation.