

# Sougol Gheissi

## Research Interests

- ◇ Computer Networks
- ◇ Data Center Networks
- ◇ Cloud Computing
- ◇ Software Defined Networks
- ◇ Bursts-tolerant Data Centers
- ◇ Distributed Systems

## Education

- 2019 – present **Johns Hopkins University(JHU)**, Baltimore, MD., US.  
PhD Student in Computer Science (Major in Computer Networks)
  - Supervisor: Dr. Soudeh Ghorbani
- 2014 – 2017 **Iran University of Science and Technology(IUST)**, Tehran, Tehran, Iran.  
M.Sc Degree in Information Technology Engineering (Major in Computer Networks) GPA: 18.0/20.0
  - ◇ Thesis: “*Improving SIP Signalling using SDN*”
    - Supervisor: Dr. Seyed Vahid Azhari
- 2008 – 2012 **Shiraz University of Technology(SUTech)**, Shiraz, Fars, Iran.  
B.Sc in Information Technology Engineering GPA: 16.73/20.0, Last Two Years GPA: 18.245/20.0
  - ◇ Thesis: “*Load Balancing in Cloud Computing using Genetic Algorithm*”
    - Supervisor: Dr. Reza Akbari

## Honors and Awards

- 2017 ◇ **Ranked 3rd** in terms of cumulative GPA among students of Computer Networks, Class of 2014, Iran University of Science and Technology(IUST)
- 2014 ◇ **Ranked 61st** in “National University Entrance Examination for Graduate Schools” among all students in Information Technology Engineering (Roughly 20,000 participants)
- 2012 ◇ **Ranked 7th** in terms of cumulative GPA among students of Information Technology Engineering, Class of 2008, Shiraz University of Technology(SUTech)
- 2008 ◇ **Ranked top 1%** in “National University Entrance Examination” among all students in Mathematics and Physics Discipline(Roughly 300,000 participants)
- 2001 - Present ◇ Member of **National Organization for Development of Exceptional Talents(NODET)** (NODET) students selection exam is held every year nationwide for the student starting middle or high school. The organization is responsible for training the top students on a more advanced level in every field of study.

## Publications

### Conferences

- ◇ S.Gheissi, SV. Azhari, “*Proposing a novel Model of SIP networks using SDN*”, The 2nd International Conference on Knowledge-based Research in Computer Engineering and IT, Tehran, Iran, Sep. 2017 (In Persian)

---

## Academic Experience

### *Iran University of Science and Technology(IUST), Tehran, Iran*

- Fall 2017 – 2019     ◇ **Research Assistant** at Broadband Network Research Lab(BNRL)  
    ◦ Implementing and Evaluating an offloading model in SDN
- Fall 2017     ◇ **Teacher Assistance** in Wireless Communications (M.Sc virtual Course), Dr. Azhari

### *Shiraz University of Technology(SUTech), Shiraz, Iran*

- Spring 2012     ◇ **Lab Instructor** in Data Base (B.Sc Course), Dr. Fakhrahmad
- Fall 2011     ◇ **Teacher Assistance** in Advanced Programming (B.Sc Course), Dr. Ahmadzadeh
- Spring 2011     ◇ **Lab Instructor** in Data Base (B.Sc Course), Dr. Boushehrian
- Fall 2010     ◇ **Teacher Assistance** in Advanced Programming (B.Sc Course), Dr. Ahmadzadeh

---

## Technical Skills

### *Programming Languages*

- Imperative Languages: JAVA, C (*Linux Kernel Programming*), C++, C#
- Scripting Languages: Bash Script, Python

*Operating Systems:* Linux, Windows

*Web Technologies:* HTML, CSS, JavaScript, JQuery, XML

*DataBases:* MS SQL

*Typesetting:* L<sup>A</sup>T<sub>E</sub>X, Microsoft Word

*Networking Tools:* NS2, Mininet, Open vSwitch, Floodlight, CloudSim, OpenSIPs, SIPp, Wireshark

*Other Tools:* MATLAB, Eclipse

*Certificates:* MCITP, CCNA

---

## Seminars and Workshops

- Fall 2015     **A Study of Three models of content distribution service based on the interaction between content distribution and network service provider**  
Iran University of Science and Technology(IUST), Tehran, Iran  
    ◦ Surveyed Traditional CDNs, Telco-CDN and Google CDN: B4
- Spring 2014     **A survey on Wireless Software Defined Networks**  
Iran University of Science and Technology(IUST), Tehran, Iran
- Summer 2009     **Introduction to Information Technology**  
“Break time in Univesity” at Shiraz University, Shiraz, Iran

---

## References

*Dr. Soudeh Ghorbani*

Assistant Professor, Department of Computer Science, Johns Hopkins University

*Email: soudeh@sc.jhu.edu*

*Dr. Seyed Vahid Azhari*

Assistant Professor, School of Computer Engineering, Iran University of Science and Technology(IUST)

*Email: azharivs@iust.ac.ir*

*Dr. Reza Akbari*

Assistant Professor, Department of Computer and Information Technology, Shiraz University of Technology(SUTech)

*Email: akbari@sutech.ac.ir*

*Dr. Marzieh Ahmadzadeh*

Assistant Professor, School of Computer and Mathematical Sciences, University of Toronto at Scarborough

*Email: marzieh.ahmadzadeh@utoronto.ca*