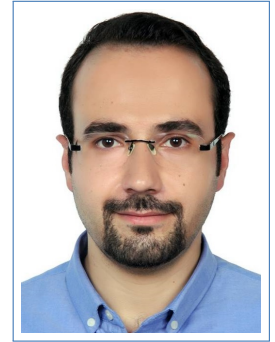


# Amir Mahdi Hosseini Monazzah

## Curriculum Vitae

Room 332,  
School of Computer Engineering,  
Iran University of Science  
and Technology (IUST),  
Tehran, Iran. Zip Code: 16846-13114  
☎ (+98 21) 7322-5347  
✉ monazzah@iust.ac.ir  
🌐 <http://webpages.iust.ac.ir/monazzah>  
DOB: April 21, 1987



### Education

- 2019–Present **Iran University of Science and Technology, Tehran, Iran**, Assistant Professor, Computer Engineering.
- 2017–2019 **Institute for Research in Fundamental Sciences (IPM), Tehran, Iran**, Post-doc, Computer Engineering, Under Supervision of Prof. Hamid Sarbazi-Azad.
- 2013–2017 **Sharif University of Technology, Tehran, Iran**, Phd, Computer Engineering, Under Supervision of Prof. Seyed Ghassem Miremadi.  
GPA: 19.38/20
- 2016–2017 **University of California, Irvine, California, USA**, Sabbatical, Reliable Embedded Systems, Under Supervision of Prof. Nikil Dutt.
- 2010–2012 **Sharif University of Technology, Tehran, Iran**, M.Sc., Computer Architecture, Under Supervision of Prof. Seyed Ghassem Miremadi.  
GPA: 17.91/20
- 2005–2009 **Islamic Azad University- South-Tehran Branch, Tehran, Iran**, B.S., Computer Hardware Engineering, Under Supervision of Mr. Fatehi Khajeh.  
GPA: 17.71/20
- 2001–2005 **Dr. Hesabi High School, Tehran, Iran**, High School Diploma, Mathematics and Physics.  
GPA: 18.8/20

### Research Interests

1. System design for IoT applications.
2. On-chip memory design.
3. Fault-tolerant design.
4. System design for approximate computing applications.

### Honors & Awards

1. Recipient of the 7<sup>th</sup> Annual Sobouti-Khajehpour Award in Computer Science (2022) for outstanding research in on-chip memory design and fault-tolerant systems..
2. Ranked 1<sup>st</sup> during the PhD program on hardware computer engineering at Sharif University of Technology..
3. Ranked 3<sup>rd</sup> among about 700 participants in PhD national entrance exam for graduate students in Computer Architecture.
4. Ranked 41<sup>st</sup> among about 15,000 participants in M.Sc. national entrance exam for graduate students in Computer Architecture.
5. Ranked 2<sup>ed</sup> among about 100 students in B.S..

---

## Skills & Abilities

Programming Languages	VERILOG HDL, VHDL, SYSTEMC, C/C++
Tools	SNIPERSIM, GEM5, COOJA, NVSIM, CACTI, MODELSIM, HDL DESIGNER, DESIGN COMPILER, QUARTUS, MATLAB (M-FILE PROGRAMMING, SIMULINK/STATEFLOW), CADENCE SOC ENCOUNTER, HSPICE
Software	LATEX, MS WORD, MS EXCEL

---

## Teaching

2024-Fall	<b>Design of Fault-Tolerant Systems</b> , LECTURER, Iran University of Science and Technology.
2024-Fall	<b>Embedded and IoT Systems</b> , LECTURER, Iran University of Science and Technology.
2024-Spring	<b>Advanced Design of Fault-Tolerant Systems</b> , LECTURER, Iran University of Science and Technology.
2024-Spring	<b>Computer Architecture</b> , LECTURER, Iran University of Science and Technology.
2023-Fall	<b>Digital Design</b> , LECTURER, Iran University of Science and Technology.
2023-Fall	<b>Embedded and IoT Systems</b> , LECTURER, Iran University of Science and Technology.
2023-Spring	<b>Design of Storage Systems</b> , LECTURER, Iran University of Science and Technology.
2023-Spring	<b>Computer Architecture</b> , LECTURER, Iran University of Science and Technology.
2022-Fall	<b>Design of Fault-Tolerant Systems</b> , LECTURER, Iran University of Science and Technology.
2022-Fall	<b>Digital Design</b> , LECTURER, Iran University of Science and Technology.
2022-Fall	<b>Embedded and IoT Systems</b> , LECTURER, Iran University of Science and Technology.
2022-Fall	<b>Design of Fault-Tolerant Systems</b> , LECTURER, Iran University of Science and Technology.
2022-Spring	<b>Design of Storage Systems</b> , LECTURER, Iran University of Science and Technology.
2022-Spring	<b>Computer Architecture</b> , LECTURER, Iran University of Science and Technology.
2022-Spring	<b>Embedded and IoT Systems</b> , LECTURER, Iran University of Science and Technology.
2021-Fall	<b>Digital Design</b> , LECTURER, Iran University of Science and Technology.
2021-Fall	<b>Embedded and IoT Systems</b> , LECTURER, Iran University of Science and Technology.
2021-Fall	<b>Design of Fault-Tolerant Systems</b> , LECTURER, Iran University of Science and Technology.
2021-Spring	<b>Design of Storage Systems</b> , LECTURER, Iran University of Science and Technology.
2021-Spring	<b>Digital Design</b> , LECTURER, Iran University of Science and Technology.
2021-Spring	<b>Embedded and IoT Systems</b> , LECTURER, Iran University of Science and Technology.
2021-Spring	<b>Embedded and IoT Systems</b> , LECTURER, Sharif University of Technology.
2020-Fall	<b>Design of Fault-Tolerant Systems</b> , LECTURER, Iran University of Science and Technology.
2020-Fall	<b>Microprocessor</b> , LECTURER, Iran University of Science and Technology.
2020-Fall	<b>Embedded and IoT Systems</b> , LECTURER, Sharif University of Technology.
2020-Spring	<b>Digital Design</b> , LECTURER, Iran University of Science and Technology.
2020-Spring	<b>Advanced Design of Fault-Tolerant Systems</b> , LECTURER, Iran University of Science and Technology.
2020-Spring	<b>Embedded and IoT Systems</b> , LECTURER, Sharif University of Technology.
2019-Fall	<b>Design of Storage Systems</b> , LECTURER, Iran University of Science and Technology.
2019-Fall	<b>Microprocessor</b> , LECTURER, Iran University of Science and Technology.
2019-Spring	<b>Embedded and IoT Systems</b> , LECTURER, Sharif University of Technology.
2018-Fall	<b>Computer Architecture</b> , LECTURER, Sharif University of Technology.
2018-Fall	<b>Computer Architecture</b> , LECTURER, Amirkabir University of Technology.

2018-Spring **Digital Design**, LECTURER, Iran University of Science and Technology.

---

## Work Experience

- 2023-Present **Chairman of the Board and Founder of (Knowledge-Enterprise) Cyber-Physical Pioneers Company (Metable)**, IUST SCIENCE AND TECHNOLOGY PARK, Tehran, Iran.
- 2023-Present **Chair of Information Technology Center (ITS)**, IRAN UNIVERSITY OF SCIENCE AND TECHNOLOGY, IUST, Tehran, Iran.
- 2008-summer **Internship**, IRAN KHODRO INDUSTRIAL GROUP, IKCO, Tehran, Iran.  
The Complex of Computer Systems Supports and Maintenance

---

## Publications

Please google “Amir Mahdi Hosseini Monazzah” for an up to date list of my publications.

---

## Languages

Farsi	<b>Native Speaker</b>
English	<b>Fluent</b>
Arabic	<b>Basic</b>