بوالعلیم

SADEGH DORRI NOGOORANI

Assistant Professor
Head of Blockchain Laboratory

Room #6/108, Faculty of Electrical and Computer Engineering,
Tarbiat Modares University, Jalal-al-Ahmad, Tehran, I. R. IRAN,
P.O. Box: 14115-111

dorri@modares.ac.ir, http://www.modares.ac.ir/~dorri
Office: +98 21 82885098

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ACADEMIC RECORD

- **Head of Blockchain Laboratory,** Faculty of Electrical and Computer Engineering, Tarbiat Modares University, Sep. 2019-Now.

- **Assistant Professor,** Computer Systems and Security Group, Faculty of Electrical and Computer Engineering, Tarbiat Modares University, Sep. 2017-Now.

- **Ph.D.** in Computer Engineering, Data and Network Security Lab., Department of Computer Engineering, Sharif University of Technology, Tehran, Iran, Sep. 2009-Jan. 2016.
  GPA: 18.58/20
  Thesis title: Uncertainty-Aware Computational Trust

- **M.S. in Information Technology**, High Performance Computing Lab., Department of Computer Engineering, Sharif University of Technology, Tehran, Iran, Sep. 2007-Sep. 2009.
  GPA: 17.97/20
  Thesis title: Grid Resource Discovery Using a Peer-to-Peer Approach

- **B.S. in Software Engineering**, Department of Electrical and Computer Engineering, University of Tehran, Tehran, Iran, Sep. 2003-Sep. 2007.
  GPA: 17.68/20
  Thesis title: A Secure Payment Framework for Cell Phones

RESEARCH INTERESTS

- Blockchain Technology
- Security, Privacy, and Trust
- Distributed Systems (Cloud, P2P, Grid)

PUBLICATIONS

For the most up-to-date list, please refer to https://www.researchgate.net/profile/Sadegh_Dorri_Nogoorani

- **Decentralized Factoring for Self-Sovereign Identities,** by Nasibeh Mohammadzadeh, Sadegh Dorri Nogoorani, and Jose Luis Muñoz-Tapia, Electronics, vol. 10, no. 12, p. 1467:1-1467:20, Jun. 2021, DOI: 10.3390/electronics10121467.

- **Invoice Factoring Registration Based on a Public Blockchain**, by by Nasibeh Mohammadzadeh, Sadegh Dorri Nogoorani, Jose Luis Muñoz-Tapia, IEEE Access, Vol. 9, February 2021, pp. 24221–24233 (ISI, IF: 3.745), DOI: 10.1109/ACCESS.2021.3056626

- **Privacy-Preserving Management of Electronic Health Records using the Blockchain Technology,** by Mahsa Rezaei and Sadegh Dorri Nogoorani, ISCISC 2021. (in Persian)

- **Collection and Analysis of Financial Exchange Data on the Stellar Blockchain,** by Reza Hamidpour Badoe and Sadegh Dorri Nogoorani, in *Proceedings of the 6th National Conference on Distributed Computing and Big Data Processing*, Azarbaijan Shahid Madani University, Tabriz, Iran, Mar. 2021, pp. 1–6.

- **A Decentralized App Store Using the Blockchain Technology,** by Mahsa Monem Moharrer, and Sadegh Dorri Nogoorani, ISCISC 2020. pp. 14-21.

- **A Mechanism for Owner to Monitor Smart Contracts on Ethereum,** by Morteza Amirmohseni, and Sadegh Dorri Nogoorani, ISCISC 2020. (in Persian)

- **Blockchain Technology and Its Applications in Supplychain,** by Sadegh Dorri Nogoorani, *the 16th Iranian Internatinal Industrial Engineering Conference (Keynote Speech),* Al-Zahra University, Tehran, Iran, Jan. 22-23, 2020, pp. 5094-5105 (in Persian)

- **Uncertainty in Trust: A Risk-aware Approach**, by Sadegh Dorri Nogoorani, and Rasool Jalili, *the International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, World Scientific Publishing,* Vol. 24, No. 5, October 2016, pp. 703-737 (ISI, IF: 0.95). DOI: 10.1142/S021848851650032X

- **TIRIAC: A Trust-driven Risk-aware Access Control Framework for Grid Environments**, by Sadegh Dorri Nogoorani, and Rasool Jalili, *Future Generation Computer Systems, Special Issue on Trust, Security and Privacy in Emerging Distributed Systems*, Elsevier, Feb. 2016, pp. 238−254 (ISI, IF: 2.79). DOI: 10.1016/j.future.2015.03.003

- **A Collusion Mitigation Scheme for Reputation Systems**, by Mina Niknafs, Sadegh Dorri Nogoorani, and Rasool Jalili*, ISeCure: the ISC International Journal of Information Security*, Vol. 7, No. 2, July 2015, pp. 151-166 (ISI). DOI: 10.22042/isecure.2016.7.2.7

- **CR-SMTC: Privacy Preserving Collusion-Resistant Multi-Party Trust Computation**, by Zohre Fath Fathabadi, Sadegh Dorri Nogoorani, and Ali Mohammad Hemmatyar, in *Proceedings of the 11th ISC International Conference on Information Security and Cryptology (ISCISC 2014),* IEEE Press, Tehran, Iran, Sep. 2014, pp. 167-172. DOI: 10.1109/ISCISC.2014.6994042

- **Correctness Verification in Database Outsourcing: A Trust-Based Fake Tuples**

Approach, by Simin Ghasemi, Morteza Noferesti, Mohammad Ali Hadavi, Sadegh Dorri Nogoorani, and Rasool Jalili, in *Information Systems Security*, by V. Venkatakrishnan and D. Goswami (eds.), Lecture Notes in Computer Science series, Springer, 2012, vol. 7671, pp. 343-351. DOI: 10.1007/978-3-642-35130-3_24

- **Measuring Software Security Using SAN Models**, by Sadegh Dorri Nogoorani, Mohammad Ali Hadavi, and Rasool Jalili, in *Proceedings of the 9th ISC International Conference on Information Security and Cryptology (ISCISC 2012)*, IEEE Press, Tabriz, Iran, Sep. 2012, pp. 80-86. DOI: 10.1109/ISCISC.2012.6408195

- **Uncertainty in Probabilistic Trust Models**, by Sadegh Dorri Nogoorani and Rasool Jalili, in *Proceedings of the 26th IEEE International Conference on Advanced Information Networking and Applications (AINA 2012)*, IEEE Press, Fukuoka, Japan, Mar. 2012, pp. 511-517. DOI: 10.1109/AINA.2012.73

- **Mobile Payment Framework Based on J2ME**, by Sadegh Dorri Nogoorani and Mahmoud Reza Hashemi, in *Proceedings of the 13th National Conference of the Iranian Computer Society*, Kish Island, Persian Gulf, Iran, Mar. 2008. (in Persian)

- **Design and Implementation of a Persian Spelling Checker**, by Sadegh Dorri Nogoorani and Mohsen Saboorian, in *Proceedings of the 2nd Research Workshop on Persian Language and Computers*, Tehran, Iran, Jun. 2006, pp. 202-215. (in Persian)

TEACHING AND WORKSHOPS

- **Graduate courses:** Database Security and Privacy, Cloud Computing, Security of E-Commerce (and Blockchain), Advanced Network Security
- **Undergraduate courses:** Data and Network Security, Computer Networks, Fundamentals of Computer Programming (Pascal and C/C++), Computer Workshop
- Blockchain Technology (Short Course and Workshop, 10 hours), Digital Banking Program (DBA), Organized Jointly by Management Studies Center of Tarbiat Modares University and FABA (Center for Promotion of E-Banking and Professional Training)
- Secure Coding and Auditing (Workshop Series, 72 hours), Tarbiat Modares University

OTHER SCIENTIFIC HIGHLIGHTS

- Keynote Speaker in Multiple conferences.
- Member of Scientific Committee, International Iranian ISC Conference, International Conference on Computer Engineering and Knowledge, International Computer Conference of the Computer Society of Iran, Iranian Joint Congress on Fuzzy and Intelligent Systems

PROFESSIONAL EXPERIENCE

- Security analysis and advisor for a national-scale transaction processing system
- Work in a university-industry partnership center in Sharif University of Technology
- Software analysis and design with UML, Object-Oriented Programming in various languages, and different environments since 2003
- Work in a news automation company
- Fluent in Pascal/Delphi, C/C++, Java, C#.NET, Subversion, Git, Make in Microsoft Windows and GNU/Linux.

- Experienced in team work.

LANGUAGE SKILLS

- Persian: Native
- English: Fluent

https://orcid.org/0000-0001-7406-112X

https://www.researchgate.net/profile/Sadegh_Dorri_Nogoorani

https://www.linkedin.com/in/sdorri/