

## CURRICULUM VITAE

**Seraj Fayyad**

*Cyber Security Department/Faculty of Science and  
Information Technology,  
Al-Zaytoonah University of Jordan, Amman, Jordan*

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### 1. Education

- PhD. (Security of Information and IoT Systems) Oct 2018,, Oslo, Norway
- M.Sc. (Computer Engineering, >>Reliable System<<) September 2010, University of Duisburg-Essen, Germany
- B.Sc. (Software Engineering) 2005, ISRA University, Amman, Jordan

### 2. Ph.D. Dissertation

*Measurable Security for Systems built upon Internet of Things, University of Oslo, Oslo, Norway.*

### 3. Employment

#### Academic Positions

- Assistant Professor, Cyber Security, Al-Zaytoonah University of Jordan, Jordan Oct. 2022-now
- Substitutional Assistant Prof. (Security of Information Systems and Networks) at PSUT, Jordan. September 2019 - September 2020.



- PhD fellow and IT security Specialist, University of Oslo and Movatn AS, Oslo – Norway. Feb 2014 – Feb 2018

#### 4. **Research Interests**

My areas of interest in research encompass the broader field of cybersecurity, with a particular emphasis on managing security risks, network security, IoT Security, and digital forensics.

#### 5. **Membership in Scientific Societies and Associations**

#### 6. **Honors and Awards**

- Scientific Superiority Award from ISRA University.
- Certified Computer Hacking Forensic Investigator (CHFI).
- Certified Security+.

#### 7. **Fellowships and Scholarships**

PhD Scholarship from the Research Council of Norway

#### 8. **Teaching Experience**

- ***Undergraduate Courses***

- ❖ Data and Information Security.
- ❖ Data Analytics.
- ❖ Digital Forensic.
- ❖ Software Security.
- ❖ Wireless Networks Security.
- ❖ Computer Crimes Investigation and the Law.
- ❖ Cryptography.
- ❖ English Technical Writing and Communication Skills.
- ❖ Wireless Networks (e.g. WLAN, Bluetooth).
- ❖ Introduction for Information Technology.

#### 9. **Supervision of Graduate Research**

Master Thesis: Raul Khaydarshin, Introducing an approach for measuring security level in Smart Grid, 2017



## 10. Membership of Committees

- National and International
  - Assistant professor Seraj Fayyad from the Cyber Security Department was a committee member in the International conference CENTRIC 2015. Where he participated in reviewing papers relevant to Cyber Security. Conference committee list is accessible via the below link: <https://www.iaria.org/conferences2015/ComCENTRIC15.html>
  - Assistant professor Seraj Fayyad from the Cyber Security Department was a Technical Program Committee member in the International conference ICIT2023. Where he participated in reviewing papers relevant to Cyber Security. Conference committee list is accessible via the below link: <https://icit.zuj.edu.jo/icit2023/Committes.html>

## 11. Publications

- ❖ Farhan Abdel-Fattah, Seraj Fayyad, Abdullah Mubarak Heyari, Hassan Al-Zoubi: A Survey of Internet of Things (IoT) Forensics Frameworks and Challenges. ICIT 2023: 373-377
- ❖ **Fayyad S**, Noll J. Toward objective security measurability and manageability. In 2017 14th International Conference on Smart Cities: Improving Quality of Life Using ICT & IoT (HONET-ICT) 2017 Oct 9 (pp. 98-104). IEEE. (ISBN:978-1-5386-0760-2, Electronic ISSN: 1949-4106)
- ❖ **Fayyad S**, Noll J. A framework for measurability of security. In 2017 8th International Conference on Information and Communication Systems (ICICS) 2017 Apr 4 (pp. 302-309). IEEE. (ISBN:978-1-5090-4244-9).
- ❖ Borgen, Iren; Småstuen, Milada Cvancarova; Jacobsen, Anne Flem; Garnweidner-Holme, Lisa; **Fayyad, Seraj**; Noll, Josef; Lukasse, Mirjam (2019). Effect of the Pregnant+ smartphone application in women with gestational diabetes mellitus: A randomised controlled trial in Norway. BMJ Open. Vol. 9. 10.1136/bmjopen-2019-030884. (impact factor is 2.42) (Part of ISSN: 20446055)
- ❖ Borgen I, Garnweidner-Holme LM, Jacobsen AF, **Fayyad S**, Cvancarova Småstuen M, Lukasse M. Knowledge of gestational diabetes mellitus at first consultation in a multi-ethnic pregnant population in the Oslo region, Norway—a cross-sectional study. Ethnicity & health. 2019 Aug 17:1-4. (impact factor 2.59). (Part of ISSN: 14653419 13557858)
- ❖ I. Borgen, L Garnweidner-Holme, AF. Jacobsen, K. Bjerkan, K., **S. Fayyad**, P.



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Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

Joranger, A.M. Lilleengen, A. Mosdøl, A., J. Noll, M.C Småstuen and L. Terragni, L., "Smartphone application for women with gestational diabetes mellitus: a study protocol for a multicentre randomised controlled trial", 2017, BMJ open, 7(3), p.e013117. (impact factor is 2.42) (Part of ISSN: 20446055)

- ❖ J. Noll, I. Garitano, **S. Fayyad**, H. Abie and E. Åsberg "Measurable Security, Privacy and Dependability in Smart Grids," 2015 Journal of Cyber Security and Mobility, Vol. 3, 2015, pp. 371–398, River Publishers. (impact factor is 0.45) (Part of ISSN: 22454578 22451439). **Note:** A correspondence author of the paper, (an official confirmation describes my contribution, is exist).
- ❖ **S. Fayyad** and J. Noll, "Components interconnection consideration in multi metrics approach", 8th International Conference on Advances in Human-oriented and Personalized Mechanisms, Technologies, and Services (CENTRIC), Barcelona, 2015, pp.21-27. (ISBN: 978-1-61208-440-4)
- ❖ I. Garitano, **S. Fayyad**, and J. Noll. "Multi-metrics approach for security, privacy and dependability in embedded systems." 2015 Wireless Personal Communication, Volume 81, [Issue 4](#), 2015, pp 1359–1376, Springer US. (Part of ISSN: 1572834X 09296212 ) (impact factor is 1.17) **Note:** A correspondence author of the paper, (an official confirmation describes my contribution, is exist).
- ❖ **S. Fayyad** and J. Noll, "Security and Safety composition methodology," 2014 7th International Conference on Advances in Human-oriented and Personalized Mechanisms, Technologies, and Services (CENTRIC), Nice, 2014, pp.60-65. (ISBN: 978-1-61208-369-8)
- ❖ **S. Fayyad** and C. Meinel, "Attack Scenario Prediction Methodology," 2013 10th International Conference on Information Technology: New Generations, 2013, pp. 53-59, doi: 10.1109/ITNG.2013.16., (Electronic ISBN:978-0-7695-4967-5)