



Nadia METOUI

PHD CANDIDATE · ICT SECURITY AND PRIVACY

via san Vigilio, 10, Milan, ITALY

☎ (+39) 324 606 7165 | ✉ nadia.metoui@unimi.it | 🏠 nadia-metoui.github.io | 📺 Nadia Letoui | 📧 nadia.metoui

*“Intelligence is not only the ability to reason;
it is also the ability to find relevant material in memory and to deploy attention when needed.”* D. Kahneman

Skills

IDM, AC and Privacy	IDM, Access and Usage Control Models. Privacy Enhancing Technologies
IT Security	General knowledge on cyber security systems, networks and security protocols
Cloud Computing	OpenStack Nova, General knowledge on Cloude Accountability and Security
Programming	Java, C/C++, Python, HTML5, JavaScript, SQL, LaTeX
Data Base & Big Data	MySQL, Oracle, SAP-Hana, Hadoop, MangoDB
Languages	Arabic: <i>Native</i> , French: <i>C2</i> , English: <i>C1</i> , Italian: <i>B1</i> , German: <i>A1</i>

Experience

Everyware Lab. University of Milan

JUNIOR RESEARCHER

Milan, ITALY

Oct. 2016 - Present

- Designing privacy threat identification and evaluation methodology and metrics in the cyber security context
- Implementing and evaluating privacy enhancing models for cyber security systems
- *Reference*: Claudio BETTINI · +39 0250 316 281 · claudio.bettini@unimi.it

SAP Labs France and FBK

EARLY STAGE RESEARCHER

Sophia A., France & Trento, Italy

Aug. 2013 - Aug. 2016

- Doctoral research on risk-based Identity Management and Access Control systems
- *Reference SAP*: Michele BEZZI · +33 (0)4 9228-6443 · michele.bezzi@sap.com
- *Reference FBK*: Alessandro ARMANDO · +39 04 61 314 193 · armando@fbk.eu

SAP Labs France

RESEARCH ENGINEERING INTERN

Sophia Antipolis, France

Jan. 2013 - Jun. 2013

- Graduation Internship: Privacy Framework for In-memory DB (ABAC Framework using Xacml, JavaEE and SAP-HANA).
- *Reference*: Slim TRABELSI +33 (0)4 9228-6345 · slim.trabelsi@sap.com

Rayan Dev. for HumanIT Lab “SupInfo Paris”

FREELANCE DEVELOPER

Remotely with Paris, France

Sep. 2012 - Dec. 2012

- Project : Crowdsourcing and Collaborative Citizen Emergency Networ (Java Script, HTML5, Google Maps APIs).
- *Reference*: Fadhel GUIGA +216 55 845 789 · fadhel.guiga@supinfo.com

Esprit Ingenieur & EspritTech

STUDENT ASSISTANT

Tunis, Tunisia

2011 - 2012

- Teaching: Cloud Services and Security Lab
- Undergrad Research: within the Cloud Computing Research Unit
- *Reference*: Arafet BOUSSAID +216 98 709 676 · arafet.boussaid@esprit.tn

TELNET Group, Tunisia

TEST & VALIDATION TECHNICIAN

Tunis, Tunisia

May. 2010 - Oct. 2010

- Development and Testing of embedded software for electric meter using Python, C, CPL communication protocol.

Tunisian National Posts Office (ONP)

INTERN DEVELOPER

Tunis, Tunisia

Sep. 2009 - Feb. 2009

- Bachelor Thesis: Design and dev. of a PKI Framework using X509, Bouncycastle Cryptography API, OpenSSL.

Orascom Telecom Tunisia

INTERN

Tunis, Tunisia

Jun. 2008 - Aug. 2008

- Internship within of the “Database Administration” and “Systems Administration” unites

Education

University of Trento ICT Doctoral School

PHD IN COMPUTER SCIENCE

- Thesis: *Risk Aware Identity Management and Access Control Systems*
- Advisor: Prof. Alessandro ARMANDO & Co-Advisor: Dr. Michele BEZZI.

Trento, Italy

Nov. 2013 - Present

Esprit University

ENGINEERING DIPLOMA (DNI)

- *Eqv. Master Degree* in Computer Engineering

Tunis, Tunisia

2010 - 2013

Tunis Institut of Technology (INSAT)

UNIV. DIPLOMA OF TECHNOLOGY (DUT)

Eqv. Bachelor Degree in "Computer Networks and Telecommunication" focused on Networks Administration and Security

Tunis, Tunisia

2007 - 2009

OTHER TRAINING ACTIVITIES

SECENTIS'16

SECENTIS WINTER SCHOOL - IN SECURITY AND TRUST OF NEXT GENERATION ENTERPRISE INFORMATION SYSTEMS.

Trento, Italy

Feb. 2016

IFIP'15

10th INTERNATIONAL IFIP SUMMER SCHOOL ON PRIVACY AND IDENTITY MANAGEMENT.

Edinburgh, Scotland UK

Aug. 2016

FOSAD'15

14th INTERNATIONAL SCHOOL ON FOUNDATIONS OF SECURITY ANALYSIS AND DESIGN.

Bertinoro, Italy

Aug. 2016

Awards & Scholarships

2013 - 2016 **EU Marie Curie grant for PhD studies (SECENTIS Program).**

2010 - 2012 **Bourse d' Excellence Esprit MSc. Studies.**

Publications

INTERNATIONAL JOURNAL, CONFERENCES AND WORKSHOPS

- [1] S. Macetti, N. Metoui, A. Lanzi, and C. Bettini. "EPIC: a Methodology for Evaluating Privacy Violation Risk in Cyber Security Systems". *Submitted to: Transactions on Data Privacy (TDP): Sep. 2017*
- [2] N. Metoui, M. Bezzi, and A. Armando. "Risk-Based Privacy-Aware Access Control for Threat Detection Systems". *LNCS Transactions on Large-Scale Data and Knowledge-Centered Systems TLDK: 2016*
- [3] N. Metoui, M. Bezzi, and A. Armando. "Trust and Risk-Based Access Control for Privacy Preserving Threat Detection Systems". *The 3rd International Conference on Future Data and Security Engineering (FDSE'16): 2016*
- [4] N. Metoui and M. Bezzi. "Differential Privacy Based Access Control". *C&TC 2016, On the Move to Meaningful Internet Systems: OTM 2016 Conferences: 2016*
- [5] A. Armando, M. Bezzi, F. Di Cerbo, and N. Metoui. "Balancing trust and risk in access control". *C&TC 2015: On the Move to Meaningful Internet Systems: OTM 2015 Conferences: 2015*
- [6] A. Armando, M. Bezzi, N. Metoui, and A. Sabetta. "Risk-based privacy-aware information disclosure". *International Journal of Secure Software Engineering: 2014*
- [7] A. Armando, M. Bezzi, N. Metoui and A. Sabetta. "Risk-aware information disclosure". *QASA 2014 3rd International Workshop on Quantitative Aspects in Security Assurance Affiliated workshop with ESORICS: 2014*

POSTERS, TALKS AND PRESENTATIONS

- 2016 **SAP DKOM:** M. Bezzi, MD. Ashiqur Rahaman, and N. Metoui, *Technical Talk:* "Security products innovation" Paris, France
- 2015 **MCAA'15:** N. Metoui, *Poster:* "Privacy-Aware Risk-Based Access Control System" Venice, Italy
- 2014 **FOSAD'14:** N. Metoui, *PhD Talk:* "Risk-Based Access Control" Bertinoro, Italy

Extracurricular Activity

Marie Curie Alumni Association: Gender Equality for Mobile Researchers in Science W.G.

MEMBER

- Gained awareness several issues facing female researchers, and discussed eventual solutions.
- Built a network of researchers from several fields and expertise levels.

Italy

2016 - Present

Futura (Entrepreneurship and Business Club)

FOUNDER MEMBER, COACH & VICE PRESIDENT (2012)

- Participation and preparation of start-up contests and personal development training sessions.
- Gained knowledge about several business field such as Management, Strategy, Finance and Marketing.

Tunis Tunisia

2011 - 2013

Cine-Radio INSAT (University local radio and cine club)

FOUNDER MEMBER & VICE PRESIDENT (2009)

- Gained leadership and managerial skills.
- Trained on public speech communication and presentation techniques.

Tunis Tunisia

2007 - 2010

SecuriNets (Security Club)

MEMBER

- Gained expertise in Network security and Cyber Security Systems.
- Gained communication and team working skills.

Tunis Tunisia

2007 - 2009

Theatro INSAT (University local theater troupe)

MEMBER

- Gained acting and communication skills.
- Trained on creative writing and stage improvisation.

Tunis Tunisia

2006 - 2010

Program Committees

2017 **Program committee member**, FDSE'17: 4th International Conference on Future Data and Security Engineering

*Ho Chi Minh City,
Vietnam*

2012 **Creative Coach**, Tunirobots 2012 (Tunisian Robotic Days)

Tunis, Tunisia

2010 **Co-Founder, Show Co-director & Show Host**, Tunirobots 2010 & Tunirobots 2011

Tunis, Tunisia