Fabio Massacci.   **Curriculum Vitae et S**

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Provincia	Trento
Città	Trento
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1   SUMMARY INFORMATION

1.1   Personal Details
- Name and Surname: **Fabio MASSACCI**
- Nationality: **Italian**   Date of Birth:**XXXX**   Sex: **XXXX**   Status: XXXX

1.2   Digital Contacts
- Web: **https://fabiomassacci.github.io**   ORCID: **https://orcid.org/0000-0002-1091-8486**

1.3   Present Positions
- 2020/Aug→ permanent – Chair in Foundational Security at Vrije Universiteit Amsterdam, The Netherlands
- 2005/Jan → permanent - Full Professor at University of Trento, Italy

1.4   Appointments of Significance
- 2017/Mar → 2021/Feb - Rector's delegate for international ranking at UTrento
- 2015/Oct → 2019/Feb – Deputy Dean of Faculty, U Trento.
- 2011/Jan → 2012/Jan – Vice Director for Education – Italy (EIT Digital)
- 2002/Mar → 2008/sep – Deputy Rector for ICT Services – UTrento – Italy

1.5   Visiting appointments (last 5 years)
- 2020/21 – Winter Term – Fellow of the Institute for Advanced Studies Fellow – Durham University, UK
- 2017/Jun→2017/Jul – ISI University of Southern California – Los Angeles, USA

2   DEGREES, HABILITATIONS AND AWARDS

2.1   Academic degrees (M.Sc., Ph.D., etc.)
- 1998/Jun. - Univ. of Rome I "La Sapienza", PhD in Computer Science and Engineering. Thesis on automated reasoning for modal and security logics. Supervisor Prof. Luigia Carlucci Aiello, AAAI/ECCAI Fellow.

2.2   Habilitations
- 2003/Dec – Habilitation as full professor
- 1999/Mar - Habilitation as United Nations Officer – Level P2
- 1995/Mar - Ordine degli Ingegneri – Habilitation as Chartered Engineer

2.3   Scientific Awards.
- 2015/Aug – **Ten Years Most Influential Paper Award** by IEEE Requirements Engineering Conf. for the paper: P. Giorgini, F. Massacci, J. Mylopoulos, N. Zannone: Modeling Security Requirements Through Ownership, Permission and Delegation. In *Proc. of IEEE Requirements Engineering'05,* p. 167-176, IEEE.
- 2001/Sep. – "Intelligenza Artificiale" career award by the Italian Association of Artificial Intelligence (AI*IA) for young researchers in AI under 35

3   SUMMARY OF SCIENTIFIC ACHIEVEMENTS

3.1   Summary Highlights of Publications (last 5 years)
- *Computing (CORE/ERA – max rank A*)*: **Journals 6**
  IEEE Transactions of Software Engineering (A*), Empirical Software Engineering Journal (A)
- *Computing (CORE/ERA – max rank A*)*: **Conferences 7**
  ACM/IEEE International Conference on Software Engineering (A*), ACM SIGSAC Conference on Computer and Communication Security (A*), ACM/IEEE ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (A*), ACM/IEEE Internat. Symp. on Empirical Software Engineering and Measurement (A), Financial Cryptography (A)
- *Business and management (CABS/Academic Journal Guide –max rank 4*)*: **4**
  Risk Analysis (4)
- *Professional security conferences: 1*
  BlackHat Asia

3.2   Summary of Citations (March 2022):

- Google Scholar   (gC_ZVPgAAAAJ)   Total Citations: 8 412 – Past 5 years: 2 412 – h-index: 48
- Elsevier Scopus   (55167501300)   Total Citations: 3 960 – Past 5 years: 1 259 – h-index: 33
- WoS Researcher ID   (C-2662-2012)   Total Citations: 1 806 – Past 5 years: 605 – h-index: 21

3.3 Selected Grants (last 5 years)
- EU-H2020-AssureMOSS --- Assurance and certification in secure Multi-party Open Software and Services– Trento Funding 460K€, Vrije Universiteit Funding 360K
- EU-H2020-Pilot-CyberSec4EU --- Cyber Security Network of Competence Centres for Europe – Trento Funding 450K€
- EU-H2020-CA-OPTICS2 --- Observation Platform for Technological and Institutional Consolidation of research in Safety and Security – Trento Funding 90K€
- EU-EIT-UNBIAS-2018 --- Blockchain for Supply Chain Management – Trento Funding 150K€

3.4 Industrial and Societal Impact

- Contributed to CVSS – Common Vulnerability Scoring Systems – *The* World Standard on vulnerabilities
- Work on risk- vs rule-based regulation presented by National Grid to the UK Cabine Office and EU Presidency

3.5 Summary of Supervised PhD students and Post-doc researchers

3.5.1 Current position of past collaborators
- Assistant professor, dozent, lecturer, and full professor: 7 (in CH, CN, DK, IT, NL)
  - DTU (1), TU Eindhoven (2), UIBE (1), ULeiden (1), UVerona (1), ZAHW (1)
- Researcher/Directors at research centers: 3 (CNR – IT, INRIA - FR, KIPA - KR)
- International companies: 7 (ATOS, Bosch, Bromium, Forescout, Google, WorldQuant)
- Public administration: 1 (CA)
- Senior researchers in small and medium enterprises: 2 (CA, IT)
- Post-doctoral researchers: 2 (ID, PL)

3.5.2 Awards of PhD Students
- L.-V. Duc, 2021, 2nd place at ASE ACM Graduate Student Research Competition
- I. Pashchenko, 2017, 2nd place at ESEC/FSE ACM Graduate Student Competition
- M. S. Tran, 2016. CAiSE PhD Award for Best Doctoral Dissertation
- L. Allodi, 2016. University of Trento Best Doctoral Dissertation
- N. Zannone, 2015 Ten Years Most Influential paper at IEEE RE for our 2005 paper

3.6 Editorial assignments in international periodicals.
- Associate Editor in Chief
  - IEEE Security and Privacy Magazine
- Department Editor: ended 2021
  - IEEE Security and Privacy Magazine ("Building Security In") - now
- Associate Editor - ended 2018
  - International Journal of Information Security

4   SELECTED Journals and Conference Publications, International Patents

J1. Allodi, L., Massacci, F., & Williams, J.. The Work-Averse Cyberattacker Model: Theory and Evidence from Two Million Attack Signatures. *Risk Analysis*. 2021

J2. Pashchenko, I., Plate, H., Ponta, S.E., Sabetta, A., Massacci, F. Vuln4Real: A Methodology for Counting Actually Vulnerable Dependencies. *IEEE Transactions on Software Engineering*, 2021

J3. Allodi, L., Cremonini, M., Massacci, F., Shim, W. Measuring the accuracy of software vulnerability assessments: experiments with students and professionals. *Empirical Software Engineering*, 25 (2):1063-1094. (2020)

J4. Kuper, G., Massacci, F., Shim, W., Williams, J. Who Should Pay for Interdependent Risk? Policy Implications for Security Interdependence Among Airports. *Risk Analysis*, 40 (5), pp. 1001-1019. (2020)

J5. Dashevskyi, S., Brucker, A.D., Massacci, F. A Screening Test for Disclosed Vulnerabilities in FOSS Components. *IEEE Transactions on Software Engineering*, 2019, 45 (10): 945-966.

C1. Massacci, F., & Pashchenko, I. Technical leverage in a software ecosystem: Development opportunities and security risks. In *IEEE/ACM 43rd International Conf. on Software Engineering (ICSE)* (pp. 1386-1397). IEEE, 2021

C2. Massacci, F., Ngo, C. N., Nie, J., Venturi, D., & Williams, J. FuturesMEX: secure distributed futures market exchange. *Proceedings of IEEE Symposium on Security and Privacy*. *2018*.

P1. Massacci, F., Ngo, C. N., Nie, J., Venturi, D., & Williams, J (2018). "A method and apparatus for distributed, privacy- and integrity-preserving exchange, inventory and order book.". EU Patent 3522064, US Patent 11,170,439

P2. Sabetta, A., Compagna, L., Ponta, S., Dashevskyi, S., Dos Santos, D., & Massacci, F. (2017). "Multi-context exploit test management." U.S. Patent 9,811,66.