

Padova, 30 novembre 2022

MAURO CONTI È FELLOW DELL'ASIA-PACIFIC ARTIFICIAL INTELLIGENCE ASSOCIATION

Il prof. **Mauro Conti**, docente del Dipartimento di Matematica “Tullio Levi-Civita” dell’Università di Padova, è stato eletto Fellow dell’Asia-Pacific Artificial Intelligence Association (AAIA) con la seguente motivazione: “top scientist with outstanding achievements in the area of security and privacy”.

L’Asia-Pacific Artificial Intelligence Association (AAIA) è stata costituita a Hong Kong nel 2021 ed è un’organizzazione accademica senza scopo di lucro e non governativa. L’obiettivo principale dell’Asia-Pacific Artificial Intelligence Association è promuovere lo sviluppo e l’applicazione dell’intelligenza artificiale in diversi campi della scienza e della tecnologia attraverso ricerca, pubblicazioni, mostre, conferenze, scambi accademici, campi estivi e invernali e altre attività.

Biografia

Mauro Conti è professore ordinario all’Università di Padova e anche affiliato alla TU Delft e all’Università di Washington, Seattle.

Ha conseguito il dottorato di ricerca alla Sapienza Università di Roma nel 2009.

Dopo il dottorato, è stato ricercatore post-doc alla Vrije Universiteit di Amsterdam.

Nel 2011 è entrato come assistente all’Università di Padova, dove è diventato professore associato nel 2015 e professore ordinario nel 2018.

È stato ricercatore in visita a GMU, UCLA, UCI, TU Darmstadt, UF e FIU.

È stato premiato con una borsa di studio Marie Curie (2012) della Commissione europea e con una borsa di studio del DAAD tedesco (2013). La sua ricerca è finanziata anche da aziende, tra cui Cisco, Intel e Huawei. I suoi principali interessi di ricerca riguardano sicurezza e privacy, ambiti in cui ha pubblicato più di 500 articoli nelle più importanti riviste e conferenze internazionali sottoposte a peer-review.

È caporedattore di IEEE Transactions on Information Forensics and Security e caporedattore di area per IEEE Communications Surveys & Tutorials; è stato Associate Editor per diverse riviste, tra cui IEEE Communications Surveys & Tutorials, IEEE Transactions on Dependable and Secure Computing, IEEE Transactions on Information Forensics and Security e Information Forensics and Security e IEEE Transactions on Network and Service Management.

È stato presidente di programma per TRUST 2015, ICISS 2016, WiSec 2017, ACNS 2020, CANS 2021, CSS 2021, WiMob 2023 e ESORICS 2023, e General Chair per SecureComm 2012, SACMAT 2013, NSS 2021 e ACNS 2022.

È Fellow dell’IEEE, Senior Member dell’ACM e Fellow della Young Academy of Europe.



Mauro Conti

Per informazioni:

<https://www.aaia-ai.org/fellows?page=32>



Fellow

This is to certify that

Mauro Conti

was elected a Fellow of
Asia-Pacific Artificial Intelligence Association

Schakram Dustdar

President



Qu Jiang Lei

Secretary General

28 November 2022

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Short Bio

Mauro Conti is Full Professor at the University of Padua, Italy. He is also affiliated with TU Delft and University of Washington, Seattle. He obtained his Ph.D. from Sapienza University of Rome, Italy, in 2009. After his Ph.D., he was a Post-Doc Researcher at Vrije Universiteit Amsterdam, The Netherlands. In 2011 he joined as Assistant Professor at the University of Padua, where he became Associate Professor in 2015, and Full Professor in 2018. He has been Visiting Researcher at GMU, UCLA, UCI, TU Darmstadt, UF, and FIU. He has been awarded with a Marie Curie Fellowship (2012) by the European Commission, and with a Fellowship by the German DAAD (2013). His research is also funded by companies, including Cisco, Intel, and Huawei. His main research interest is in the area of Security and Privacy. In this area, he published more than 500 papers in topmost international peer-reviewed journals and conferences. He is Editor-in-Chief for IEEE Transactions on Information Forensics and Security, Area Editor-in-Chief for IEEE Communications Surveys & Tutorials, and has been Associate Editor for several journals, including IEEE Communications Surveys & Tutorials, IEEE Transactions on Dependable and Secure Computing, IEEE Transactions on Information Forensics and Security, and IEEE Transactions on Network and Service Management. He was Program Chair for TRUST 2015, ICISS 2016, WiSec 2017, ACNS 2020, CANS 2021, CSS 2021, WiMob 2023 and ESORICS 2023, and General Chair for SecureComm 2012, SACMAT 2013, NSS 2021 and ACNS 2022. He is Fellow of the IEEE, Senior Member of the ACM, and Fellow of the Young Academy of Europe.

Current position

- Full Professor in Computer Science
- Head of “SPRITZ Security and Privacy Research Group” (<http://spritz.math.unipd.it/index.html>)
- Head of MSc degree in Cybersecurity, University of Padua (<https://cybersecurity.math.unipd.it/>)
- Affiliate Professor, EE Dpt., University of Washington, Seattle, WA, USA
- Adjunct Professor, EEMCS Faculty, Delft University of Technology, Delft, The Netherlands
- Editor in Chief, IEEE TIFS, Area Editor in Chief, IEEE COMST (area “Vehicular and Sensor Comm.”) Associate Editor for IEEE TNSM, IEEE TDSC, Elsevier Computer Networks
- Co-founder and Board Chairman, CHISITO (UniPD spin-off); Co-funder of DYALOGHI (UniPD spin-off), SEEDS (UniPA spin-off)

Education

- MSc degree in Computer Science, Sapienza University of Rome (2005)
- PhD in Computer Science, Sapienza University of Rome (2009)

Scientific Activities

Principal Investigator in Research Projects

- European Commission, H2020-SU-SEC-2018-2019-2020-Proposal number: 832735 (SU-FCT02-2018-2019-2020 - Security), LOCARD - Lawful evidence cOLlecting & Continuity pIAtfoRm Development, 2019-2022 (Local Principal Investigator - Budget 480.625 euro)
- European Commission, ICT-08-H2020-Proposal number: 871518 (ICT-2019-2020-2021 - Security), COLLABS - A COmprehensive cyber-intelligence framework for resilient coLLABorative Manufacturing Systems, 2019-2022 (Local Principal Investigator Budget 196.000 euro).
- University of Padua, Supporting Talent in ReSearch @ University of Padova STARS Grants program for individual research (STARS@UNIPD 2019), LIGHTHOUSE: Securing the Transition Toward the Future Internet, 2019-2021 (Principal Investigator - Budget 139.232 euro).
- IOTA Foundation - Validating the Security and Efficiency of Coordicide Consensus Protocol, 2020-2021(Principal Investigator - Budget 140.300 euro).

- Huawei - Innovation Research Program on Network & Information Security Technology, 2018-2019(Principal Investigator - Budget 61.918,88 euro).
- Cisco Systems Inc., Secure Mobility Management in ICN, 2016-2018. (Principal Investigator - Budget 100.000 USD).
- Intel Inc., Scalable IoT Management and Key security aspects in 5G systems, 2016-2017. (Principal Investigator - Budget 25.000 euro).

Recent Representative Publications

(for a full list of publications see: <https://www.math.unipd.it/~conti/publications.html>)

- Edlira Dushku, Md Masoom Rabbani, Mauro Conti, Luigi V. Mancini, Silvio Ranise. SARA: Secure Asynchronous Remote Attestation for IoT systems. In *(IEEE) Transactions on Information Forensics & Security*, 15(1): 3123-3136, 2020. DOI: 10.1109/TIFS.2020.2983282, ISSN: 1556-6013. **(JCR IF 2019: 6.211; IT-ANVUR Class: 1)**
- Stefano Ceconello, Alberto Compagno, Mauro Conti, Daniele Lain, Gene Tsudik. Skype & Type: Keyboard Eavesdropping in Voice-over-IP. In *(ACM) Transactions on Privacy & Security*, 22 (4), 2019. DOI: 10.1145/3365366, ISSN: 2471-2566. **(JCR IF 2018: 2.103; IT-ANVUR Class: 1)**
- Gaurav Somani, Manoj Singh Gaur, Dheeraj Sanghi, Mauro Conti, Muttukrishnan Rajarajan. Scale Inside-out: Rapid Mitigation of Cloud DDoS Attacks. In *(IEEE) Transactions on Dependable and Secure Computing*, 15(6): 959-973, 2018. DOI: 10.1109/TDSC.2017.2763160, ISSN: 1545-5971. **(JCR IF 2016: 4.41; IT-ANVUR Class: 1; Best Survey Paper 2020)**
- Eduard Marin, Nicola Bucciol, Mauro Conti. An In-depth Look Into SDN Topology Discovery Mechanisms: Novel Attacks and Practical Countermeasures. In *Proceedings of the 26th ACM Conference on Computer and Communications Security (ACM CCS 2019)*, pages 1101–1114, London, UK, November 11-15, 2019. DOI: 10.1145/3319535.3354194, ISBN: 978-1-4503-6747-9. **(GGS: 1/A++; CORE: A++; LiveSHINE: A++; MA: A++)**
- Andrea Biondo, Mauro Conti, Lucas Davi, Tommaso Frassetto, Ahmad-Reza Sadeghi. The Guard's Dilemma: Efficient Code-Reuse Attacks Against Intel SGX. In *Proceedings of the 27th USENIX Security Symposium (USENIX Security 2018)*, pages 1213-1227, Baltimore, USA, August 15-17, 2018. ISBN: 978-1-931971-46-1. **(GGS: 1/A++; CORE: A++; LiveSHINE: A++; MA: A++; Acceptance rate: 19.08%)**
- Moreno Ambrosin, Mauro Conti, Ahmad Ibrahim, Gregory Neven, Ahmad-Reza Sadeghi, Matthias Schunter. SANA: Secure and Scalable Aggregate Network Attestation. In *Proceedings of the 23rd ACM Conference on Computer and Communications Security (ACM CCS 2016)*, pages 731-742, Vienna, Austria, October 24 - 28, 2016. DOI: 10.1145/2976749.2978335, ISBN: 978-1-4503-4139-4, ISSN: 1543-7221. **(GGS: 1/A++; CORE: A++; LiveSHINE: A++; MA: A++; Acceptance rate: 16.36%)**

Visiting Periods

- UW- University of Washington, Seattle, WA, USA, July-August 2019.
- UW- University of Washington, Seattle, WA, USA, July-August 2018.
- SPROUT - UCI- University of California, Irvine, CA, USA, July-August 2017.
- FIU- Florida International University, Miami, FL, USA, July-August 2016.
- UF- University of Florida, Gainesville, FL, USA, July-August 2015.
- SPROUT - UCI- University of California, Irvine, CA, USA, August 2014.
- CASED - TU Darmstadt, Darmstadt, Germany, October-November 2013.
- SPROUT - UCI- University of California, Irvine, CA, USA, June-July 2013.
- SPROUT - UCI- University of California, Irvine, CA, USA, May-June 2012.
- NRL - UCLA - University of California, Los Angeles, CA, USA, November 2010.
- CS Department - University of Trento, Trento, IT, August 2010.
- CSIS - George Mason University, Fairfax, VA, USA, February 2009.
- CSIS - George Mason University, Fairfax, VA, USA, October 2008.
- Short Term Researcher at CSIS - George Mason University, Fairfax, VA, USA, January-July 2008.

Main International Collaborations

- University of Oxford, Oxford, UK.
- University of California Berkeley, Berkeley, California, USA. University of California Irvine, Irvine, California, USA. Technische Universität Darmstadt, Darmstadt, Germany. Aalto University, Helsinki, Finland.
- University of Helsinki, Helsinki, Finland.
- Vrije Universiteit Amsterdam, Amsterdam, The Netherlands. Danmarks Tekniske Universitet, Lyngby, Denmark.
- George Mason University, Fairfax, Virginia, USA. University of Michigan, Ann Arbor, Michigan, USA. University of Washington, Seattle, Washington, USA. University of Florida, Gainesville, Florida, USA. Kansas State University, Manhattan, Kansas, USA.
- Korea Advanced Institute of Science & Technology, Daejeon, South Korea. University of Surrey, Surrey, UK.
- Queen Mary University London, London, UK. City University London, London, UK. Université de Bordeaux, Bordeaux, France.
- Universidad Carlos III de Madrid, Madrid, Spain.

Padua, November 29, 2022