Personal Data

Name: Martin Vechev

Wikipedia: *https://en.wikipedia.org/wiki/Martin_Vechev*

Google Scholar: *https://shorturl.at/XaRKo* (all publications)

Education

2003 - 2008	**University of Cambridge, England**
	Ph.D. in Computer Science (Advisor: Prof. Martin Richards)
1996 - 2001	**Simon Fraser University, Canada**
	B.Sc. in Computer Science

Current Positions

2022 -	**Full Professor of Computer Science**
	ETH Zurich, Switzerland
2022 -	**Founder and Scientific Director**
	INSAIT, Sofia, Bulgaria

Previous Positions

2017 - 2022	**Associate Professor of Computer Science (Tenured)**
2012 - 2017	**Assistant Professor of Computer Science (Tenure-Track)**
	ETH Zurich, Switzerland
2007 - 2011	**Research Staff Member**
	IBM T.J. Watson Research Center, New York, USA

Fellowships and Awards

- Distinguished Paper Awards, ACM CCS 2022, ACM CCS 2023

- 5 spotlight awards, ICLR (2022:1, 2023:2, 2024:2)

- IETF/IRTF Applied Networking Research Prize, 2021

- ERC Consolidator Grant, 2021

- ACM SIGCOMM Best Student Paper Award (with my PhD student Samuel Steffen), 2020

- ACM SIGPLAN Robin Milner Young Researcher Award, 2019
  ("...for major contributions to many areas of programming languages...")

- ACM SIGPLAN and Communications of the ACM Research Highlights, 2016, 2018

- Oral selection, NeurIPS 2018

- Distinguished Paper and Outstanding Artifact Awards, ACM OOPSLA 2013, 2016

- ERC Starting Grant, 2015

- Google Faculty Research Awards, 2014, 2015

- Facebook Faculty Award, 2015

- Best Paper Award, Runtime Verification, 2010

- John Atanasoff Award, awarded by President of Bulgaria, 2009

- Extraordinary Research Accomplishment Award, IBM Research, 2009

- Outstanding Technical Achievement and Research Division Awards, IBM Research, 2006, 2009

Graduated PhD Students at ETH Zurich I graduated 17 PhD students at ETH Zurich several of whom received prestigious research awards for their dissertations:

- Dr. Veselin Raychev won the ACM Doctoral Dissertation, Honorable mention (top 3 PhD thesis worldwide in computer science).

- Dr. Gagandeep Singh received the ACM SIGPLAN Doctoral Dissertation Award (best PhD thesis worldwide in programming languages).

- Dr. Samuel Steffen was awarded the ACM SIGSAC Doctoral Dissertation Award Runner-Up (top 2 PhD thesis worldwide in computer security).

- Dr. Benjamin Bichsel received both the ACM SIGPLAN Doctoral Dissertation Award (best PhD thesis worldwide in programming languages).

- Dr. Rüdiger Birkner was awarded the 2022 EuroSys Roger Needham Ph.D. Award.

- Dr. Timon Gehr received the ETH medal for an outstanding dissertation at ETH Zurich Computer Science upon graduation.

- Dr. Dimitar K. Dimitrov received the ETH medal for an outstanding dissertation at ETH Zurich Computer Science upon graduation.

- Dr. Jingxuan He received the ETH medal for an outstanding dissertation at ETH Zurich Computer Science upon graduation.

Deep-Tech Startups I have co-founded 6 deep-tech startups:

- LatticeFlow, building a platform for delivering robust and trustworthy AI systems.

- DeepCode, an AI-based code review system, acquired by security unicorn Snyk.

- ChainSecurity, smart contract security audits based on formal mathematical guarantees, acquired by PwC.

- NetFabric, focused on AI-based network monitoring.

- Invariant Labs, dedicated to developing advanced security solutions for autonomous AI agents.

- LogicStar, a company developing AI agents that autonomously resolve bugs.

Patents As part of IBM Research, I filed 15 U.S. patents with 9 granted. Source: Google patent search (https://shorturl.at/BUCis).