

Fulvio Giovanni Ottavio Riso

Personal Data

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Personal Presentation

Presentation of Dr. Fulvio Riso

Fulvio Riso ([REDACTED]), male, is Full Professor at the Department of Control and Computer Engineering of Politecnico di Torino, Italy. He received the M.Sc. degree in Computer Engineering in 1995 and the Ph.D. in Computer and System Engineering from Politecnico di Torino in 2000. He has been visiting student at University College London (UK), visiting faculty at Cisco Systems (San Jose, CA) and Narus inc. (Sunnyvale, CA), and adjunct professor at University of Illinois at Chicago (UIC), and Turin Polytechnic in Tashkent (TTPU), Tashkent, Uzbekistan.

His recent research interests include high speed processing of network traffic, network functions virtualization, and edge/fog/cloud computing. He is author of 150+ papers, (Google Scholar h-index: 32; i10-index: 76; 3900+ citations). Past activities include also network analysis, network monitoring, peer-to-peer overlays, and IPv6. He obtained an O1 VISA (Non-immigrant Visa for Aliens of Extraordinary Ability) by the US Government from 2005 to 2015. He participated in the program committee of several IEEE conferences, and he served as a reviewer for several top international journals (e.g., IEEE/ACM Transactions on Networking, IEEE Communication Magazine, Elsevier Computer Networks). He served as Technical Program Co-Chair for IEEE NetSoft 2022, and guest editor for the IEEE Communication Magazine special issue on fog computing in 2017. He served as POLITO coordinator in several National and European funded research projects, among the others, deputy coordinator of the EU FP7 SECURED project, and technical coordinator of the EU HE FLUIDOS project. He is in charge of students and staff mobility with the Department of Computer and Control Engineering, and responsible of for the network and multimedia lab. Delegate for Politecnico di Torino in the EIT Digital association and in the Inter-departmental Center for Service Robotics (PIC4SER).

Dr. Risso is very active in open-source software projects. He started several projects such as WinPcap (<http://www.winpcap.org>), for 15+ years the de-facto standard library for network analysis tools in Windows, NetBee (<https://github.com/netgroup-polito/netbee>), a new packet processing library that includes an innovative hardware abstraction (the NetVM) and protocol description language (NetPDL), FROG (<https://github.com/netgroup-polito/frog4>), a multi-domain cloud/NFV orchestrator, Polycube (<https://polycube.network>), an efficient eBPF-based framework for Network Functions Virtualization running in the Linux kernel, and Ligo (<https://ligo.io>), a multi-cluster and multi-domain cloud-to-edge solution for Kubernetes. Some of these technologies are now part of commercial products. Finally, he was one of the founder of the ArubaKube spin-off of Politecnico di Torino, in July 2023.

Current Occupation

Current occupation

- Full Professor at Department of Computer and Control Engineering, Politecnico di Torino, Italy
- Chief Innovation Officer at ArubaKube, Torino, Italy.

Education

2000: Politecnico di Torino, Dipartimento di Automatica e Informatica

- PhD in Computer Engineering, advisor prof. Silvano Gai; thesis: "Quality of Service on Packet Switched Networks"

1996: Politecnico di Torino

- Italian state exam to obtain the professional qualification to practice as an engineer

1990 - 1995: Politecnico di Torino

- BSc in Computer Engineering, advisor prof. Silvano Gai

1985 - 1990: Istituto Tecnico Industriale "M. Delpozzo", Cuneo

- General Certificate of Education in Electric Engineering

Foreign Languages

English and French:

- English: Pass with Merit at Cambridge Preliminary English Test (1999)

Teaching

Several courses at BSc and MSc level. Only courses related to the most recent academic years are listed:

- Professor in the "Cloud Computing Technologies" course, MSc degree in Computer Engineering.
- Professor in the "Cloud Programming" course, MSc degree in Computer Engineering.
- Professor in the "Software Networking" course, MSc degree in Computer Engineering.
- Professor in the "Enterprise Network Technologies" course, MSc degree in Computer Engineering.

Adjunct Professor at TTPU –Turin Polytechnic University in Tashkent (Uzbekistan) in the current academic year.

Scientific projects

Involved in more than 30+ research projects to date. More details can be found on my personal web page at <http://fulvio.frisso.net>.

Scientific collaboration with leading ICT companies, such as Cisco, Futurwei, Ericsson, Telefonica, Deutsche Telekom, Telecom Italia/TIM, Vmware, Microsoft, Nvidia.

Publications

Published 150+ papers on selected conferences and journals. The complete list is available on the personal Google Scholar web page:
<https://scholar.google.com/citations?user=kheKGUAAAAAJ>.

Other works

Seminars, teaching activities, consultancy for computing and network services for more than 20 companies, including Telecom Italia/TIM, Telecom Italia Learning Services, Telecom Italia Research Labs, Vodafone, Italian Association of Insurance Companies (ANIA), Studio Reti, Telexis, Teach, Consorzio Nettuno, COREP, ERSEL SIM, Telespazio, OpenFiber, Poste Italiane, Regione Campania.

I authorize the processing of my personal data, including sensitive information, according to the Italian law 196/03 (ex 675/96).

Torino, 28/10/2024

Signature

