

Giuseppe Cofano, Eng.

Fasano (Italy), 30th April 1987

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Current position:

Ph. D. student at the Electrical and Computer Science Department of the Politecnico di Bari under the supervision of professor Saverio Mascolo. My current research interests are SIP overload control and adaptive video streaming.

Education:

2009-2012, Technical University of Bari (Politecnico di Bari), Bari, Italy.

Master's Degree in Telecommunications Engineering with honours (110/110 cum laude) received on the 16th July 2012 (Supervisor: Prof. S. Mascolo).

Title of the thesis: Performance analysis of CPU overload control algorithms for SIP servers

2006-2009, Technical University of Bari (Politecnico di Bari), Bari, Italy.

Bachelor's Degree in Telecommunications Engineering with honours (110/110 cum laude) received on the 14th December 2012 (Supervisor: Prof. G. Boggia)

Title of the thesis: Performance analysis of Frame Level Scheduler for LTE cellular networks with multimedia flows

2001-2006, Liceo L. da Vinci, Fasano (BR), Italia.

Secondary school (specializing in scientific studies) with 100/100 (July 2006).

Publications:

L. De Cicco, G. Cofano and S. Mascolo

Local SIP Overload Control: Controller Design and Optimization by Extremum Seeking
IEEE Transactions on Control of Network Systems, accepted for publication, to appear

L. De Cicco, G. Cofano and S. Mascolo

A Hybrid Model of the Akamai Adaptive Streaming Control System
IFAC World Congress 2014, Cape Town, South Africa, 24-29 August 2014

L. De Cicco, G. Cofano, and S. Mascolo

Local SIP Overload Control: Controller Design and Optimization by Extremum Seeking
IEEE CDC 2013, Firenze, Italy, December 2013

L. De Cicco, G. Cofano, and S. Mascolo

Local SIP Overload Control
WWIC 2013, S. Petersburg, Russia, June 2013

Research Projects:

"**PLATform for INnOvative services in future internet**" (**PLATINO**), 2012-2015, funded by Italian Ministry of University and Research (MIUR), advisor prof. S. Mascolo

"**Reti, Strade, Edifici – Nuovi Obiettivi Virtuosi per l'Ambiente e l'Energia (RES NOVAE)**", 2012-2015, funded by Italian Ministry of University and Research (MIUR), advisor prof. S. Mascolo

Ph.D. Courses:

ECCI-HYCON2 Graduate School on Control, *Nonlinear Control Over Networks with Uncertain Sampling and Delays*, prof. Miroslav Krstic (University of California, San Diego) and prof. Iasson Karafyllis (NTUA Athens), 17-21 March 2014, University of Belgrade, Belgrade, Serbia.

Coursera.org, *Software Defined Networking*, prof. Nick Feamster (Georgia Institute of Technology), 1 July-12 August 2013. Passed with distinction.

ECCI-HYCON2 Graduate School on Control, *Robust Hybrid Control Systems*, prof. Ricardo G. Sanfelice (University of Arizona), 20-24 May 2013, Supélec, Paris, France.

Given Talks:

A Hybrid Model of the Akamai Adaptive Streaming Control System, Cape Town, IFAC 2014, 26 August 2014

Optimizing the Inerplay between Video Content Distribution Actors, San José, Adaptive Media Transport Workshop, 9 January 2014

Local SIP Overload Control: Controller Design and Optimization by Extremum Seeking, Florence, CDC 2013, December 2013

Professional Experience:

February 2012-February 2013, **Telecom Italia Spa employee**.
Responsible for: wired access networks (Open Access) configuration and management through the employment of Gigabit Ethernet, ATM and MPLS technologies.

Technical Skills:

Operating Systems: good skills in managing the most important GNU/Linux distributions.

Networking: GNU/Linux networking tools. Basic skills in configuring and managing Cisco equipment. Experience with OpenSER (open source SIP server).

Programming Languages: C, C++, Python, Bash, Java.

Cellular Networks: good knowledge of GSM, UMTS, HSPA, LTE standard.

Communications and Signal Processing: very good skills in using Matlab/Simulink packages for signal processing (analogue and digital filtering, adaptive filtering, predictors).

Feedback Control of Dynamic Systems: very good skills in using Matlab/Simulink packages for designing and simulating analogue and digital controllers (including hybrid systems, optimal and robust control, loop-shaping, convex optimization).

Other skills:

Excellent communicative skills, improved through the collaboration since 2004 with local magazines about politics, culture, sport. Registered Journalist since September 2011. My personal blog is at <http://www.ullrich.ilcannocchiale.it/>, where you can find selected reportages.

Foreign Languages:**English:** fluent

Proved by First Certificate English (level B2) from Cambridge University since June 2006.

German: advanced

Proved by Mittelstufenprüfung (level C1) from Goethe Institut da June 2005.

Proved by Zertifikat Deutsch für den Beruf (level B2) from Goethe Institut since June 2004.

French: intermediate**Sport:** swimming, cycling.

Bari, 02/09/2014

Giuseppe Cofano