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 Technical University of Bari under the supervision of professor Saverio Mascolo. My current research interests are SIP overload control and adaptive video streaming modelling, employing nonlinear and hybrid control systems theory and mathematical optimization tools.

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 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:

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

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

Professional Experience:

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

Technical Skills:

Operating Systems: good skills in managing the most important GNU/Linux distributions.
Networking: good knowledge of GNU/Linux networking tools. Basic skills in configurating and managing Cisco equipment.
Programming Languages: good skills in the implementation of applications by means of 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: good
Proved by First Certificate English (level B2) from Cambridge University since June 2006.

German: good
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: good

Other activities:

Keen on Literature, Philosophy and History. Sport: swimming.

Bari, 14/09/2013   Giuseppe Cofano