

PERSONAL INFORMATION

Giovanni Chisci



 (Italy)

Sex Male | Date of birth 05/03/1989 | Nationality Italian

PERSONAL STATEMENT

Giovanni Chisci received the B.Sc. Laurea degree (summa cum laude) in electronic and telecommunications engineering and the MSc Laurea degree (summa cum laude and a special mention to the career) in telecommunications engineering from University of Florence in 2011 and in 2014, respectively. Actually he is affiliate to the Wireless Communication and Localization Network Laboratory in the Dept. of Engineering of the University of Ferrara (Ferrara, Italy) as a Ph.D. student. He also holds research appointments with the Dept. of Information Engineering of the University of Florence (Florence, Italy) and with the Wireless Communication and Network Sciences Laboratory at Massachusetts Institute of Technology (Cambridge, Massachusetts, U.S.A.). His research interests involve applied mathematic and statistic for the wireless systems and networks, in particular in the field of the physical layer security. He also attended as a staff volunteer at 2014 IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), and at the IEEE ICC 2015 Workshop on Massive Uncoordinated Access Protocols as an author.

WORK EXPERIENCE

01/11/2014–Present

Ph.D. student

Engineering Department, University of Ferrara (ENDIF-UniFe), Ferrara (Italia)

- Wireless communication networks
- Physical layer security
- Stochastic geometry

The research activity is focused on the analysis and design of wireless networks that makes secrecy at the physical layer through interference engineering strategies. Another topic is the envisioning of a framework for the integration of cryptography and physical layer security.

10/05/2014–31/10/2014

Research collaborator

Information Engineering Department, University of Florence (DINFO-UniFi), Firenze (Italy)

- Wireless communication networks: Designed of a joint reception and channel estimation algorithm and evaluated the performance in multipath channels for a closed-loop communication system known as Noise-Loop.
- Multiple access communication systems: Evaluated the performance, the capacity region and multi-user system efficiency of a novel multiple access scheme.

04/04/2014–09/04/2014

Staff member

IEEE Signal Processing Society, Firenze (Italy)

Voluntary staff at IEEE International Conference on Acoustics, Speech and Signal Processing(ICASSP 2014):

Logistics assignments, planning, room preparation, registration desk

EDUCATION AND TRAINING

- 09/2012–04/2014

MSc degree in Telecommunication Engineering (summa cum laude)

School of Engineering, University of studies of Florence, Florence (Italy)

Competencies: Real Analysis, Estimation & Information Theory, Optimal Robust & Adaptive Control, Optimization Methods, Digital Signal Processing & Applications, Image's Processing & Protection, Digital Communications, Wireless Communications & Systems, Telecommunication Networks, Antenna's Systems.

Thesis: "Noise Loop Modulation in Multipath Fading channels", a new physical layer technique for Wireless Systems security and a theoretical framework for performance evaluation.

EQF level 7
- 09/2008–10/2011

BSc degree in Electronical and Telecommunications Engineering (summa cum laude)

School of Engineering, University of studies of Florence, Florence (Italy)

Competencies: Math Analysis, Math Applications, Geometry and Linear Algebra, Numeric Computing & Matlab, Analogic & Digital Electronic, Digital Signal Processing, Control Systems, Fundamentals of Telecommunication Networks, Propagation & Antennas, Telecommunication Systems, Fundamentals of Programming, Fundamentals of object orienting.

Thesis: "Internet of Things over Wireless Sensor Network", it is realized an IPv6 communication over an 802.15.4. based protocollar stack. This made me acquire competencies on routing, segmentation and on P2MP/MP2P communications.

EQF level 6
- 09/2003–06/2008

High school leaving qualification in scientific studies

A.M. Enriques Agnoletti High School, Sesto Fiorentino (FI) (Italy)

EQF level 4
- 11/2013–03/2014

Impresa Campus Unifi, Traing for Startup

Incubatore Universitario Fiorentino, Firenze (Italy)

Impresa Campus Unifi, Training for Startup is a project that promotes new innovative business, and bring entrepreneurial culture to young university people that have an innovative idea for a business on a product or a service. With this training i faced themes about entrepreneurship, the start of a business, business model, business plan, elevator pitch. I am able to redact a business plan, also thanks to the experience of the Mentor Manager that helped me during the formation period. The business idea was presented to a commission of experts that appreciated the feasibility ant the innovative nature of the idea.

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

Communication skills

Capacity in establishing optimal personal and work relations, with people with different cultures and nationalities, thanks to my passion for journeys, my study's experiences and my outgoing and communicative kind.

Organisational / managerial skills	Capacity in work's planning, time estimation, assignment's allocation and in coordination of achievements.
Job-related skills	Good team-worker, with an academic education and good problem solving skills. Competencies in event planning, public relations and business plan editing.
Digital competence	<ul style="list-style-type: none">- Very Good knowledge of the numerical computing software Matlab, in particular of the signal processing tool, the communications tool, the statistic tool and Simulink.- Basic knowledge of Labview, software for measurement and control system.- Basic knowledge of FPGA DSP builder Altera.- Good knowledge of WireShark packet analyzer.- Basic knowledge of the programming platform Eclipse and basic knowing of the programming languages C and C++.- Good knowledge about the operative systems MacOS, Microsoft Windows and Ubuntu.- Good knowledge of Microsoft office package- Very good knowledge in music programming, with the musical softwares Reason (Propellerheads), Logic Studio and Ableton Live (Native Instruments).

ADDITIONAL INFORMATION

Publications	<p>L. Mucchi, G. Chisci, E. Del Re, L. S. Ronga, "Noise-loop multiple access for wireless communications", in Proc. IEEE Int. Conf. Commun. Workshop on Massive Uncoordinated Access Protocols at IEEE ICC, June 2015, London, UK.</p> <p>L. Mucchi, L. S. Ronga, G. Chisci, "Noise-Loop Multiple Access", IEEE Trans. on Veh. Technol., Nov. 2015.</p> <p>G. Chisci, L. Mucchi, L. S. Ronga, "Exploiting the Novel Loop Diversity: a Correlation Based Transceiving Scheme", under review for IEEE Globecom 2016.</p> <p>G. Chisci, A. Conti, L. Mucchi, M. Z. Win, "Maximum Secrecy Rate in Inhomogeneous Poisson Networks", under review for IEEE Globecom 2016.</p>
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Memberships	IEEE Student Member '15
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Il sottoscritto acconsente, ai sensi del D.Lgs. 30/06/2003 n.196, al trattamento dei propri dati personali. Il sottoscritto acconsente alla pubblicazione del presente curriculum vitae sul sito dell'Università di Ferrara

ANNEXES

- Attestato.pdf
- special_mention
- partecipazione_impresacampus
- qualita_impresacampus



Attestato.pdf 

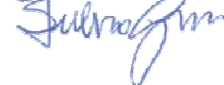


- ICASSP 2014 -
IEEE INTERNATIONAL CONFERENCE ON ACOUSTIC, SPEECH AND SIGNAL PROCESSING

Si attesta che

Ha partecipato alla conferenza in oggetto svoltasi a Firenze dal 4 al 9 Maggio 2014.
Ha inoltre prestato servizio di volontariato durante l'evento per un totale di 30 ore.

Prof. Fulvio GINI
General Chair ICASSP 2014



special_mention



UNIVERSITÀ
DEGLI STUDI
FIRENZE

Scuola di
Ingegneria

CORSO DI LAUREA MAGISTRALE IN INGEGNERIA DELLE TELECOMUNICAZIONI
(Classe delle Lauree Magistrali in Ingegneria delle Telecomunicazioni LM-27 DM 270/04)

Prot. n. 1409 class. III/9 del 15/04/2014

Al Dott. Chisci Giovanni
Via N. Tommaseo, 70
50019 Sesto Fiorentino
Firenze

Il giorno 03 aprile 2014 la Commissione di Laurea Magistrale in Ingegneria delle Telecomunicazioni (Classe delle Lauree Magistrali in Ingegneria delle Telecomunicazioni LM-27 DM 270/04) evidenzia la brillante carriera universitaria del candidato Chisci Giovanni ed unanime esprime vivo apprezzamento per gli ottimi risultati conseguiti nel corso degli studi.

Il Presidente della Commissione
(Prof. Dino Giuli)



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partecipazione_impresacampus 



UNIVERSITÀ
DEGLI STUDI
FIRENZE
CSAVRI
CENTRO PER IL PATRIMONIO
CULTURALE E LA GESTIONE DELLA
INFORMAZIONE UNIVERSITARIA

Con il contributo di



ENTE
CASSA DI RISPARMIO
DI FIRENZE

Firenze, 4 aprile 2014

Attestato di partecipazione al **Training for Start up**

Impresa Campus **UNIFI** 2013 / 2014

Sulle tematiche di Imprenditorialità, Business Model, Business Plan, Elevator Pitch

Nome Gruppo

AUDIO CONTROL

Team

Chisci Giovanni
Gherardini Stefano

Presidente CSAVRI
prof. Marco Bellandi



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UNIVERSITÀ
DEGLI STUDI
FIRENZE
CSAVRI
CENTRO NAZIONALE
PER LA VALUTAZIONE
FISICALE E DESTINERIE
FISICALE DELL'UNIVERSITÀ



Con il contributo di

Firenze, 4 aprile 2014

Impresa Campus **UNIFI** 2013 / 2014

La Commissione di esperti nominata da CSAVRI ha valutato il progetto:

AUDIO CONTROL

PROGETTO DI QUALITÀ "Impresa Campus **UNIFI**"

Presidente CSAVRI
prof. Marco Bellandi

Man Autenti

