

# Curriculum Vitae et Studiorum

Lorenzo Toffoli

## Personal information

First name / Surname Lorenzo Toffoli  
E-mail [lorenzo.toffoli@upbilancio.it](mailto:lorenzo.toffoli@upbilancio.it)  
Nationality Italian

## Current position

Dates January 2017 – present  
Position held **Expert**  
Principal subjects covered Public finance, Pension system analysis, Dynamic microsimulation  
Name and address of employer Ufficio Parlamentare di Bilancio (Parliamentary Budget Office), Via del Seminario 76, 00186, Rome, Italy <http://www.upbilancio.it/>

## Work experiences

Dates October 2015 – January 2017  
Position held **Research fellow**  
Principal subjects covered Public economics, Pension system analysis, Macroeconomic model simulation  
Name and address of employer Università degli Studi Roma Tre, Dipartimento di Giurisprudenza, 159, Via Ostiense, 00154, Rome, Italy <http://www.giur.uniroma3.it/>

## Education and training

Dates October 2010 – April 2015  
Title of qualification awarded **Ph.D. in Economics**  
Principal subjects covered Input-Output Analysis, Social Accounting Matrices, Financial Networks  
Name and address of employer Università Cattolica del Sacro Cuore, 1, Largo Gemelli, 20123, Milan, Italy  
Scuola di Dottorato in Economia e Management – PhD in Economics  
<http://scuoledidottorato.unicatt.it/defap>

Dates October 2011 – September 2012  
Title of qualification awarded **Master in Economics**  
Grade obtained Distinction  
Principal subjects covered Econometrics, Finance, Microeconomics, Macroeconomics  
Name and type of organisation providing education University of Essex, Wivenhoe Park, Colchester, CO4 3SQ, United Kingdom  
Economics Department <http://www.essex.ac.uk/economics/>

Dates January 2007 - December 2009  
Title of qualification awarded **Laurea Specialistica (Master Degree) in Physics**  
Grade obtained 110/110  
Principal subjects covered Physics, Mathematics  
Name and type of organisation providing education Department of Physics, "La Sapienza" Università degli Studi di Roma  
5, Piazzale Aldo Moro, 00185, Rome, Italy

Dates October 2003 - December 2006  
Title of qualification awarded **Laurea Triennale (Bachelor Degree) in Physics**

Grade obtained 110/110 with honours  
Principal subjects covered Physics, Mathematics  
Name and type of organisation providing education Department of Physics, "La Sapienza" Università degli Studi di Roma 5, Piazzale Aldo Moro, 00185, Rome, Italy

Dates September 1998 - July 2003

Title of qualification awarded **Diploma di Liceo Classico (Upper Secondary School)**

Principal subjects covered History, Philosophy, Latin, Ancient Greek, Literature

Name and type of organisation providing education and training Liceo Classico Statale "Terenzio Mamiani" 30, Viale delle Milizie, 00192, Rome, Italy

## Scientific production

Publications in refereed journals (Economics) Ciaschini, M., Socci, C., Toffoli, L. (2016) *The role of the education industry in the U.S. Extended income circular flow*, Rivista Internazionale di Scienze Sociali, No. 2, pp. 161-198

Socci, C., Ciaschini, M. and Toffoli, L. (2015) *Education Services and Reallocation of Government Expenditure*, International Journal of Education Economics and Development, Vol 6, No. 1, pp. 38-58

Ph.D. Dissertation (Economics) Toffoli, L. (2015) *Multisectoral analysis for socio-economic policy: the education system case*

Master Dissertation (Economics) Toffoli, L. (2012) *Network analysis of the interbank money market*

Publications in refereed journals (Physics) Vitelli, C., Spagnolo, N., Toffoli, L., Sciarrino, F., De Martini, F. (2010) *Enhanced resolution of lossy interferometry by coherent amplification of single photons*, Phys. Rev. Lett. **105**, 113602

Vitelli, C., Spagnolo, N., Toffoli, L., Sciarrino, F., De Martini, F., (2010) *Quantum to classical transition via fuzzy measurements on high gain spontaneous parametric down-conversion*, Phys. Rev. A **81**, 032123

Publications in conference books (Physics) Vitelli, C., Toffoli, L., Sciarrino, F., De Martini, F. (2010) *Macro-qubit states for long range communication over a lossy channel*, in Sithampanathan, K., Marchese, M., Ruggieri, M., Bisio, I., *Personal Satellite Services*, Springer, pp 330-339

## Teaching experiences

Dates March 2014 – May 2014

Occupation or position held **Teacher**

Module Economic policy (24 hours)

Name and type of organisation Università di Macerata, 2, Via Don Minzoni, 62100, Macerata, Scienze della Comunicazione

Dates September 2011 – October 2011

Occupation or position held **Teacher**

Module Introduction to Mathematics for Economic and Financial Application (26 hours)

Name and type of organisation Università Cattolica del Sacro Cuore, 1, Largo Francesco Vito, 00168, Roma, Interfacoltà: Medicina e Chirurgia - Economia

## Conferences

Dates July 2014

Name **22<sup>nd</sup> International Input-Output Conference**

Organized by International Input-Output Association (IIOA) and UECE - ISEG University of Lisboa

Principal subjects covered Input-Output Analysis, Social accounting matrices, Computable General Equilibrium

Paper presented Socci, C., Ciaschini, M. and Toffoli, L., *Education Services and Reallocation of Government Expenditure*

Dates September 2013  
 Name **Structural Change, Dynamics, and Economic Growth**  
 Organized by Centro Interuniversitario Crescita & Sviluppo Economico (CICSE) and University of Pisa  
 Principal subjects covered Structural Change, Endogenous Growth  
 Paper presented Ciaschini, M., Soggi, C., Toffoli, L., *The role of the education industry in the U.S. Extended income circular flow*

### Schools

Dates June 2014  
 Name **Summer School in Applied Microeconometrics**  
 Organized by DEFAP, LASER, Catholic University of Milan  
 Principal subjects covered Advanced topics in econometrics

Dates February 2013  
 Name **Analysis of Complex Networks: Structure and Dynamics**  
 Organized by Italian Society for Chaos and Complexity (SICC) and Politecnico di Milano  
 Principal subjects covered Networks topology, Network models, International trade networks, Collective behaviors

Dates June 2012  
 Name **The Hyman P. Minsky Summer Seminar 2012**  
 Organized by The Levy Economics Institute of Bard College  
 Principal subjects covered Financial fragility, Stock-Flow Consistent Models, Modern Monetary Theory, ELR

Dates September 2012  
 Name **Distribution and Aggregate Demand**  
 Organized by Centro Sraffa, Roma Tre University - Department of Economics  
 Principal subjects covered Classical and neoclassical theories of distribution, Aggregate demand, Growth

Dates July 2011  
 Name **Structural Change, Real-Financial Interactions and Development**  
 Organized by University of Pavia, Faculty of Political Science  
 Principal subjects covered Stock-Flow Consistent Models, Structuralist macro models

### Language skills

Mother tongue **Italian**

Other languages

Self-assessment

**English**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient	C2	Proficient	C1	Proficient	C1	Proficient	C2	Proficient

[Common European Framework of Reference for Languages](#)

### Computer skills and competences

Data analysis software packages: R, Eviews, Stata, Tableau, Excel  
 Numeric and symbolic computing environments: Mathematica  
 Programming languages: R, C, Java  
 Markup languages: LaTeX, HTML