

Curriculum vitae of Stefano Patri

Personalia

Date and place of birth: May 12, 1970 in Rome

Nationality: italian

Academic address: University “Sapienza” of Rome; Dep. of *Methods and Models for Economics, Territory and Finance*, Room 105 (1st Floor), via del Castro Laurenziano, 9, 00161 Rome, ITALY

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Actual academic position

Since 2006, November the 1st, Permanent position as Researcher in Mathematics at the Department of “Metodi e Modelli per l’Economia, il Territorio e la Finanza” (Department of Methods and Models for Economics, Territory and Finance), University “Sapienza” of Rome.

Education

1. Mathematics at University “Sapienza” of Rome: Master’s degree obtained on March 15, 1995 with 101/110. Title of Master’s thesis: *Semi-continuity Theorems in the calculus of variations*. Supervisor: Prof. Lucio Boccardo;
2. Doctoral studies and research at University “Sapienza” of Rome: Ph.D. degree in Mathematics for the economic and financial Applications obtained on March 23, 2001. Title of the thesis: *Un Modello Dinamico del Tasso di Cambio per l’Analisi dell’eventuale Presenza di Caoticità nella sua Evoluzione*. Supervisor: Prof. Giancarlo Gandolfo;
3. Physics at University “Sapienza” of Rome: Master’s degree obtained on January 29, 2004 with 107/110. Title of Master’s thesis: *Misura della Sezione d’Urto di Produzione di $Z^0 \rightarrow \mu^+ \mu^-$ con i dati dell’Esperimento CDF del Tevatron Fermilab*. Supervisor: Prof. Maurizio Iori.

Grants

1. Scholarship *Assegno di Ricerca* from “Sapienza” University of Rome (2001-2005).

Teaching activities

1. From 1997-98 to 2006-07, responsible for the exercise session of the course *General Mathematics* in the faculty of Economics at “Sapienza” University of Rome;
2. from 2001-02 to 2003-04, responsible for the exercise session of the course *Mathematical Analysis I-II* and *Geometry* in the faculty of Engineering at “Sapienza” University of Rome;
3. from 2002-03 to 2004-05, responsible for the exercise session of the course *General Physics (Mechanics and Thermodynamics)* in the faculty of Mechanical Engineering at the University “Roma3”;
4. in 2004-05, responsible for the course *Mathematical Analysis II* in the faculty of Engineering at “Sapienza” University of Rome;
5. from 2004-05 to 2006-07, responsible for the course *General Mathematics* in the faculty of Economics at the online University “G. Marconi” of Rome;
6. from 2006-07 to current year, responsible for the courses *Matematica Corso Base* and *Complementi di Matematica Generale* (first level degree), *Advanced Mathematics for Economics and Business* (in italian and english language) for graduate and PhD students in the faculty of Economics at “Sapienza” University of Rome;
7. in september 2007 and august 2009, responsible of the course *Complementi di Matematica Generale e Fondamenti di Matematica Finanziaria* at Universidad del Salvador of Buenos Aires (Argentina);
8. from 2010-11 to current year, responsible for the exercise session of the course *Quantum Mechanics* in the Department of Physics at “Sapienza” University of Rome;
9. in 2016-17 responsible of the course *Quantum Mechanics and Statistical Mechanics* in the Department of Physics at “Sapienza” University of Rome.

Publications

Journal of Department

1. *Un Modello Dinamico di Crescita Economica in Presenza di Immigrazione Clandestina*, Journal of the Department of Methods and Models for Economics, Territory and Finance of “Sapienza” University of Rome, 2000;
2. *Un modello Dinamico del Tasso di Cambio per l’Analisi dell’Eventuale Presenza di Caoticità nella sua Evoluzione*, Journal of the Department of Methods and Models for Economics, Territory and Finance of “Sapienza” University of Rome, 2000;

3. *Un Modello Dinamico Discreto per l'Analisi dell'Impatto dell'Immigrazione su Obiettivi di Politica Economica*, Journal of the Department of Methods and Models for Economics, Territory and Finance of "Sapienza" University of Rome, 2002.

Proceedings of international Conferences and Congresses

1. *Un Modello Dinamico Discreto per l'Analisi dell'Impatto dell'Immigrazione su Obiettivi di Politica Economica*, XXVII AMASES Congress (2003);
2. *China's Entry into the WTO: the Impact on the Economies of the Countries in the South and the North of the World*, XXVIII AMASES Congress (2004);
3. *Optimal Public Expenditure Policies to have a fixed Ratio of the Public Deficit to Output*, XXIX AMASES Congress (2005);
4. *Public Expenditure and Taxation Policies: an optimal Choice of Fiscal Policy to reduce the Discrepancy between Current Income and its Full Employment Level*, XXX AMASES Congress (2006);
5. *A Continuous Time Stochastic Model of the Effects of the Technological Progress on the Economic Growth*, XXXI AMASES Congress (2007);
6. *A Stochastic Model for an Optimal Choice of the Public Expenditure and Fiscal Policy*, X Italian-Spanish Congress of Financial and Actuarial Mathematics, Cagliari, June 2008;
7. *Optimal Fiscal Policy in a Simple Macroeconomic Context*, 2nd Stochastic Modeling Techniques and Data Analysis, International Conference, 5-8 June 2012, Chania, Crete, Greece.

International Journals

1. Patrì, S., *Nuova dimostrazione del teorema di Euclide sul pentagono e decagono*, Progetto Alice, ISSN: 1972-0475, Vol. 5, N° 13, 2004-I, pp. 123-129;
2. Fargion, D., D'Armiento, D., Paggi, P., Patrì, S., *Lightest Nuclei in UHECR versus Tau Neutrino Astronomy*, Nuclear Physics B (Proc. Suppl.), Vol. 190, May 2009, pp. 162-166;
3. Burgio, G., Patrì, S., *The Most Efficient Linear Combination of the Sign and the Maesono Tests for p-normal Distributions*, Statistica, ISSN: 0390-590X, Vol. 4, 2011, pp. 411-420;
4. Correani, L., Di Dio, F., Patrì, S., *Optimal Growth and Migration in a Discrete-time Ramsey Model: a Note*, Journal of Academic Research in Economics, ISSN: 2066-0855, Vol. 4, Number 1, March 2012, pp. 1-10;
5. Patrì, S., *Sum of the generalized harmonic series with even natural exponent*, Rendiconti di Matematica e delle sue Applicazioni, ISSN: 1120-7183, Serie VII, Vol. 33, pages 19-26, 2013;

6. Correani, L., Di Dio, F., Patrì, S., *The Simple Analytics of Optimal Growth with Migration, Quality & Quantity*, ISSN: 0033-5177, DOI: 10.1007/s11135-014-0001-3, Vol. 48, N° 2, March 2014;
7. Correani, L., Di Dio, F., Patrì, S., *Optimal Choice of Fiscal Policy Instruments in a Stochastic IS-LM Model*, Mathematical Social Sciences, DOI:10.1016/j.mathsocsci.2014.04.002, ISSN: 0165-4896, Vol. 71, 2014, pages 30-42;
8. Mallozzi, L., Patrì, S., Sacco, A., *Differential Game Approach for International Environmental Agreements with Social Externalities*, The Czech Economic Review, Vol. 9, N° 3, 19/9/2016, pages 135-154, ISSN 1802-4696 (Print), ISSN 1805-9406 (Online), available at SSRN: <https://ssrn.com/abstract=2649129> or <http://dx.doi.org/10.2139/ssrn.2649129>;
9. Mallozzi, L., Patrì, S., Sacco, A., *International Environmental Agreements with Social Externalities: a Global Emission Game with Asymmetric Players*, Applied Mathematical Sciences, Vol. 10, 2016, N° 35, Pages 1731-1746, ISSN: 1312-885X (Print), ISSN: 1314-7552 (Online), DOI:10.12988/ams, available at <http://dx.doi.org/10.12988/ams.2016.6259>;
10. Patrì, S., Sacco, A., *Sequential Entry in Hotelling Model with Location Costs: a Three-Firm Case*, Spatial Interaction Models (Facility Location Using Game Theory), ISSN 1931-6828, ISBN 978-3-319-52653-9, DOI 10.1007/978-3-319-52654-6, 2017, Pages 261-272, Springer Verlag.

Books

1. Testa, M., Patrì, S., *Fondamenti di Meccanica Quantistica*, Ed. Nuova Cultura, ISBN: 9788861348806, 2017;
2. Patrì, S., *Introduzione alla Meccanica Quantistica Relativistica*, Ed. Nuova Cultura, ISBN: 9788868122140, DOI: 10.4458/2140, 2017.

Computer Skills

1. **Windows:** good knowledge;
2. **Linux:** good knowledge;
3. **Office:** good knowledge;
4. **Latex:** excellent knowledge;
5. **Mathematica Wolfram:** good knowledge;
6. **C language:** good knowledge.

Foreign languages knowledge

1. **German:** excellent knowledge, spoken (understanding, speaking) and written (reading, writing);
2. **English:** good knowledge;
3. **French:** good knowledge.

Rome, 10/12/2017

Stefano PATRI'