Antonis Economou  
Curriculum Vitae – Version April 4, 2018

A. General Information.

Birth date : March 13, 1972  
Birth place : Athens, Greece  
Address (office) : University of Athens  
Department of Mathematics  
Section of Statistics and OR  
Panepistemioupolis  
Athens 15784  
Greece  
Telephone              : 0030-210-7276351  
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Website   : http://users.uoa.gr/~aeconom/  
Fax   : 0030-210-7276381  
Family status  : Married, 2 children

B. Studies.

  University of Athens, Department of Mathematics, July 1993.  
  Grade: Excellent, 9.33/10.

  Qualifying exams: Real Analysis, Algebra.


C. Research Interests.

In particular:  
- Generating Function Methods in Stochastic Models
• Matrix-Analytic Methods in Stochastic Models
• Stochastic Orders and Applications
• Markov Decision Processes and Applications
• Decision/Game Theoretic Analysis and Pricing Problems in Stochastic Models
• Queueing Theory
• Stochastic Networks
• Stochastic Population Models
• Stochastic Epidemic Models

D. Academic positions.

1999 - 2000: Visiting Lecturer at the Department of Applied Mathematics, University of Crete
2000 - 2001: Visiting Assistant Professor at the Department of Applied Mathematics, University of Crete
2001 - 2005: Lecturer at the Department of Mathematics, University of Athens.
2005 - 2009: Assistant Professor (without tenure) at the Department of Mathematics, University of Athens.
2009 - 2011: Assistant Professor (with tenure) at the Department of Mathematics, University of Athens.
2011 - 2016: Associate Professor at the Department of Mathematics, University of Athens.
2016 - : Professor at the Department of Mathematics, University of Athens.

E. Research (papers, research reports, theses).

1. Papers published in journals.

   DOI: 10.1007/s10479-017-2630-0
   DOI: 10.1007/s11134-017-9522-5
   DOI: 10.1016/j.ejor.2017.01.024

   DOI: 10.1016/j.ejor.2016.03.046

   DOI: 10.1007/s00285-015-0943-7

   DOI: 10.1007/s10479-015-1943-0

   DOI: 10.1016/j.physa.2014.10.054


    DOI:10.1287/opre2014.1280

    DOI: 10.1007/s00285-012-0570-5

    DOI: 10.1002/nav.21553

    DOI: 10.1007/s10479-011-1025-x


DOI: 10.1016/j.ejor.2011.11.043


DOI: 10.1080/17513758.2011.552737


DOI: 10.1016/j.peva.2011.07.001


DOI: 10.1016/j.jspi.2011.03.010


DOI: 10.1002/nav.20444


DOI: 10.1016/j.mbs.2010.08.006


DOI: 10.1080/15326349.2010.519670


DOI: 10.1016/j.ejor.2009.07.014


DOI: 10.1016/j.cam.2009.11.003


DOI: 10.1016/j.cor.2005.05.020
DOI: 10.1080/15326340701300761

DOI: 10.1016/j.ejor.2005.10.034

DOI: 10.1007/s11134-005-1740-6

DOI: 10.1007/s11009-005-4522-z

DOI: 10.1239/aap/1113402405


DOI: 10.1239/jap/1082999082


DOI: 10.1051/ro:2004016

DOI: 10.1239/jap/1067436103

DOI: 10.1016/S0377-2217(02)00465-4
   DOI: 10.1016/S0377-2217(02)00355-7

   DOI: 10.1081/SAP-120020426

   DOI: 10.1017/S0269964803171094


   DOI: 10.1023/A:1015089518876

   DOI: 10.1081/SAP-100000754


2. Papers submitted or under revision in journals.
58. -


4. Research reports.


5. Theses and dissertations.


Classification of papers according journals:


Classification of papers according field of study:


F. Teaching

1. Courses

1. 1995 - 1997 : University of Athens, Department of Mathematics – Undergraduate courses –Teaching assistant
2. 1999 - 2001: University of Crete, Department of Applied Mathematics – Undergraduate courses
   - Linear Algebra I (6h/w: 1999Winter)
   - Linear and Non-Linear Programming (6h/w: 2000Spring)
   - Statistics I (6h/w: 2000Winter)
   - Stochastic Processes (6h/w: 2001Spring)

3. 2001 - : University of Athens, Department of Mathematics – Undergraduate courses
   - Theory of Probability I (5h/w: 2010Spring, 6h/w: 2013Spring, 2017Winter)
   - Probability and Statistics for the Department of Informatics and Telecommunications (4h/w: 2014Winter)
   - Computational Methods in Decision Theory (4h/w: 2016Spring)

4. 2001 - : University of Athens, Department of Mathematics, Program in Statistics and Operations Research – Graduate courses
   - Theory of Reliability (4h/w: 2002Spring in cooperation with Prof. Chryssafinou)
   - Algorithmic and Computational Techniques in Stochastic Models (4h/w: 2005Spring, 2007Spring)
   - Stochastic Dynamic Programming (4h/w: 2006Spring, 2015Winter)
   - Stochastic Processes (4h/w: 2006Winter, 2009Spring, 2012Spring)

5. 2003 - : University of Athens and Athens University of Economics and Business, Program in the Mathematics of Market and Production – Graduate courses
   - Mathematical Models for Production Planning I (3h/w 2003, 2004)
   - Risk Theory – Actuarial Mathematics (3h/w 2009)

- Combinatorics.

2. Books

3. Theses supervision

Advisor for Master theses:


**Advisor for the Doctoral Dissertations:**


**Member of the Evaluation Committee/ External Examiner-Evaluator for the Doctoral Dissertations:**


Service Attacks. Doctoral Dissertation for the PhD degree, Faculty of Information and Communication Engineering, Anna University, Chennai, India (In English). External Examiner.


G. Scholarships and distinctions.

1. Awards in International and National Student Competitions in Mathematics:
   - Honorable mention in the 29th International Mathematical Olympiad (Canberra, Australia 1988).
   - Bronze medal in the 6th Balkan Mathematical Olympiad (Split, Yugoslavia 1989).
   - Honorable mention in the 30th International Mathematical Olympiad (Braunschweig, Germany 1989).
   - Honorable mention in the 3rd Greek Mathematical Olympiad (Athens, Greece 1986).
   - Bronze medal in the 4th Greek Mathematical Olympiad (Athens, Greece 1987).
   - Silver medal in the 5th Greek Mathematical Olympiad (Athens, Greece 1988).

2. 2nd among the students in the Department of Mathematics, University of Athens in the Greek national examinations for entering in the Higher Education Institutions.


5. Scholarship from the National Scholarship Foundation of Greece (IKY) for my PhD studies during 1995-1998.

7. Leader of the Greek Student Team of the 2nd Junior Balkan Mathematical Olympiad (Athens, Greece 1998).

H. Talks and participations in conferences.


12. 17th European Simulation Multiconference SCS Europe BVBA (10th International Conference on Analytical and Stochastic Modelling Techniques and Applications (ASMTA 2003)),
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17. 6th International Workshop on Retrial Queues (WRQ), Miraflores de la Sierra, Spain 8-10/7/2006. Economou, A. (2006) Algorithmic analysis for the busy period of the $M/M/c$ queue.


21. 7th International Workshop on Retrial Queues (WRQ), Athens, Greece 17-19/7/2008.


23. 3rd Meeting of the EURO Working Group on Stochastic Modelling (StochMod10), Nafplion, Greece 7-9/6/2010.


27. 4th Meeting of the EURO Working Group on Stochastic Modelling (StochMod12), Paris, France 30/5-1/6/2012. Economou, A. (2012) Strategic customers in a transportation station: When is it optimal to wait?


I. Participation in funded research projects.

   Role: Scientific coordinator (PI).
   Scientific coordinator (PI): Antonis Economou.
   Reference number: Grant 70/4/6415, University of Athens.
   Financing: €1700.

   Research proposal: Performance evaluation and control of certain queueing systems.
   Role: Researcher.
   Scientific coordinator (PI): Apostolos Burnetas.
   Reference number: Grant 70/3/7388, University of Athens, European Social Fund and National Resources.
   Financing: €50000.

   Research proposal: Busy period distributions in queueing systems.
   Role: Scientific coordinator.
   Scientific coordinator (PI): Antonis Economou.
   Reference number: Grant 70/4/6415, University of Athens.
   Financing: €1500.

   Research Proposal: Retrial systems with blocking: Computational techniques with applications in engineering.
   Role: Researcher
   Scientific coordinator (PI): Jesus R. Artalejo.
   Reference number: Grant MTM2005-01248, Ministerio de Ciencia e Innovación de España.

   Research Proposal: Study of queueing systems with retrials.
   Role: Scientific coordinator.
   Scientific coordinator (PI): Antonis Economou.
   Reference number: Grant 70/4/6415, University of Athens.
   Financing: €1200

   Research Proposal: Stochastic Models in Biology and Queueing Theory.
   Role: Researcher
   Scientific coordinator (PI): Jesus R. Artalejo.
Reference number: Grant MTM2008-01121, Ministerio de Ciencia e Innovacion de España.

Research Proposal: Performance evaluation and customer equilibrium strategies in queueing systems.
Role: Scientific coordinator.
Scientific coordinator (PI): Antonis Economou.
Reference number: Grant 70/4/6415, University of Athens.
Financing: €2100.

Role: Researcher
Reference number: 830103/75-12.
Financing: €15000.

Role: Researcher.
Scientific coordinator (PI): Jesus R. Artalejo.
Reference number: Grant MTM2011-23864 Ministerio de Ciencia e Innovacion de España.

Role: Researcher
Scientific coordinator (PI): Nickolaos Vettas.
Reference number: Grant 4357.
Financing: €50000.

Research Proposal: Optimization of stochastic systems under partial information and applications.
Role: Researcher.
Scientific coordinator (PI): Apostolos Burnetas.
Reference number: Grant 4357.
Financing: €50000.

J. Refereeing, editorial, conference organization assignments.

1. Referee for the journals:
   4OR
   Advances in Applied Probability
   Advances in Operations Research
   Annals of Operations Research
Applied Mathematical Modelling
Applied Mathematics and Computation
Communications in Statistics – Theory and Methods
Computers and Industrial Engineering
Computers and Operations Research
Discrete Event Dynamic Systems
European Journal of Operational Research
Flexible Services and Manufacturing
IEEE Communication Letters
IIE Transactions
IMA Journal of Management Mathematics
International Journal of Engineering
Journal of Advanced Research in Applied Mathematics
Journal of Applied Mathematics
Journal of Applied Probability
Journal of Biological Dynamics
Journal of Computational and Applied Mathematics
Journal of Optimization Theory and Applications
Journal of Statistical Planning and Inference
Management Science
Manufacturing & Service Operations Management
Mathematical Biosciences
Mathematical and Computer Modelling
Mathematical Methods in the Applied Sciences
Mathematical Problems in Engineering
Methodology and Computing in Applied Probability
Naval Research Logistics
Nonlinear Analysis
Operational Research, An International Journal
Operations Research
Operations Research Letters
Operations Research Perspectives
OPSEARCH
OR Spectrum
Performance Evaluation
Probability in the Engineering and Informational Sciences
Production and Operations Management
Quality Technology and Quantitative Management
Queueing Systems
RAIRO – Operations Research
Simulation Modelling Practice and Theory
Surveys in Operations Research and Management
TOP
Transportation Science
REVSTAT

2. Associate editor for the journal:
3. Guest editor for the journal:
   - Quality Technology and Quantitative Management
     Special issue on Queueing Systems with Vacations (with J.R. Artalejo)
   - Computers and Operations Research
     Special issue on Algorithmic and Computational Methods in Retrial Queues. See

4. Organization of international conferences:
   - 7th International Workshop on Retrial Queues (7th WRQ), Athens 17-19/7/2008 (Chairman of the Scientific and Organizing Committee).
   - 3rd Meeting of the EURO Working Group on Stochastic Modeling (StochMod10), Nafplio 7-9/6/2010 (Vice-Chairman of the Organizing Committee).
   - Series of Workshops on Retrial Queues. The next one is the 12th WRQ, Tomsk State University, 10-15/9/2018 (Member of the Steering Committee).
   - Series of European Conferences on Queueing Theory. The next one is the 3rd ECQT, Jerusalem 2-4/7/2018 (Member of the Steering Committee).

5. Member of the Scientific Committee of the conferences:
   - 6th International Workshop on Retrial Queues (6th WRQ), Miraflores de la Sierra, Spain 8-10/7/2006.
   - 14th International Conference on Analytical and Stochastic Modelling Techniques and Applications (ASMTA 2007), Prague, Czech Republic, 4-6/6/2007.
   - 16th International Conference on Analytical and Stochastic Modelling Techniques and Applications (ASMTA 2009), Madrid, Spain, 9-12/6/2009.
   - 3rd Madrid Conference on Queueing Theory (3rd MCQT), Toledo, Spain, 28/6-1/7/2010.
   - 8th International Workshop on Retrial Queues (8th WRQ), Beijing, China, 27-29/7/2010.
   - 17th International Conference on Analytical and Stochastic Modelling Techniques and Applications (ASMTA 2010), Cardiff, United Kingdom, 14-16/6/2010.
   - 3rd Meeting of the EURO Group on Stochastic Modelling (StochMod10), Nafplion, Greece, 7-9/6/2010.
• 19th International Conference on Analytical and Stochastic Modelling Techniques and Applications (ASMTA 2012), Grenoble, France, 4-6/6/2012.
• 20th International Conference on Analytical and Stochastic Modelling Techniques and Applications (ASMTA 2013), Ghent, Belgium, 8-10/7/2013.
• 21st International Conference on Analytical and Stochastic Modelling Techniques and Applications (ASMTA 2014), Budapest, Hungary, 30/6-2/7/2014.
• 10th International Workshop on Retrial Queues (10th WRQ), Tokyo, Japan, 24-26/7/2014.
• 1st European Conference in Queueing Theory (1st ECQT), Ghent, Belgium, 20-22/8/2014.
• 18th INFORMS Applied Probability Society Conference, Istanbul, Turkey, 5-8/7/2015.
• 2nd European Conference on Queueing Theory (ECQT 2016), Toulouse, France, 18-20/7/2016 (member of the steering committee).
• 11th Workshop on Retrial Queues (WRQ11), Amsterdam, The Netherlands, 31/8-2/9/2016.
• 24th International Conference on Analytical and Stochastic Modelling Techniques and Applications (ASMTA 2017), Newcastle-upon-Tyne, UK, 10-12/7/2017
• 12th International Conference on Queueing Theory and Network Applications (QTNA 2017), Yanshan University, Qinhuangdao, China, 21-23/8/2017
• 13th International Conference on Queueing Theory and Network Applications (QTNA2018), Tsukuba, Japan, 25-27/6/2018
• 3rd European Conference on Queueing Theory (ECQT 2018), Jerusalem, Israel, 2-4/7/2018
• 12th International Workshop on Retrial Queues (WRQ 2018), Tomsk, Russia, 10-15/9/2018.

K. Citations.
According SCOPUS:
Total citations: 748 (excluding self citations: 643, excluding self citations of all authors: 595).
According Google Scholar:
Total citations: 1149 (from 2013-: 774)
h-index: 22 (from 2013-: 15)

I. Invited Talks.

1. Invited talks in Departments

1. **University of Padova, Department of Mathematics** (March 2000)

2. **University of Rome I - La Sapienza, Department of Mathematics** (March 2000)

3. **University of Aegean, Department of Mathematics** (May 2000)

4. **University Complutense Madrid, Faculty of Mathematics** (April 2004)

5. **University Complutense Madrid, School of Statistics** (April 2004)

6. **Technical University of Lisbon, Instituto Superior Tecnico, Department of Mathematics** (October 2005)

7. **Technical University of Lisbon, Instituto Superior Tecnico, Department of Mathematics** (June 2007)
   Economou (2007) Pricing and equilibrium behavior for a Markovian queue with setup times.

8. **Technical University of Eindhoven, EURANDOM** (March 2011)

9. **University Carlos III of Madrid, Department of Statistics** (April 2011)

2. Invited talks in Conferences and Workshops.


3. **Short-term visits for research collaborations.**

1. North Carolina State University, July 2001 (10 days). Research Collaboration with Professor Xiuli Chao.
3. Technical University of Lisbon – Instituto Superior Tecnico, October 2005 (5 days). Research Collaboration with Professor Antonio Pacheco.

**M. Administrative tasks**

1. Member of several Departmental committees in the Department of Mathematics, University of Athens:
   - Program of undergraduate studies
   - Coordination of graduate studies
   - ERASMUS
   - Invigilations program
• Evaluation/selection of graduate students for the MSc program in Statistics and OR

2. Member of several inter-Departmental committees:

• Coordination of graduate studies in the Mathematics of Market and Production (joint MSc program with the Department of Economics, University of Athens and the Department of Informatics, Athens University of Economics and Business).

3. Member of the senate of the University of Athens (2009)

4. Director of the Section of Statistics and Operations Research, Department of Mathematics, National and Kapodistrian University of Athens (2016-).

N. Miscellaneous

1. Member of the Scientific societies:

• Hellenic Statistical Institute (ESI) (1997 - )
• American Mathematical Society (AMS) (1993 - 2000)


3. Languages: Greek (Native)

   English (Proficiency in English, University of Michigan)
   Spanish (Diploma Superior Espanol como Lengua Extranjera, Instituto Cervantes)