

Short – bio:

Prof. Paolo Dell’Olmo

Current positions

Full Professor of Operations Research at the Department of Statistical Sciences of Sapienza University of Rome. President of the Italian Inter-University Center for Operations Research (**CIRO**). Director of the Master Program in Data Intelligence and Strategic Decisions (**DISD**). Member of the Research Center of Cyber Intelligence and Information Security (**CIS**). Member of the Scientific Committee of **Fondazione Roma Sapienza**. Member of the Italian Association of Operations Research (**AIRO**).

Held Positions

Department Head (2005-2011). Coordinator of the PhD program in Operations Research (2005-2011). National Coordinator of Prin projects in Transportation and Logistics (2003, 2005, 2007). Director of the Master Program in Statistics for the Management of Information Systems (2006-2010). Director of the Master Program in Data Intelligence and Strategic Decisions (2002-now).

Research

My research interest are mainly in combinatorial optimization also applied to real life transportation problems. In particular: Computational Complexity, Design and Analysis of Exact and Approximated Algorithms, Sequencing and Scheduling, Air Traffic Management, Logistics, Coordination of Traffic Flows on Networks. For my publications see next and in the sidebar.

Curriculum Vitae - Umberto Ferraro Petrillo

Current Position

Nov. 2006 – **Assistant Professor**, *Dipartimento di Scienze Statistiche, Università degli studi di Roma - La Sapienza*, Rome.

Bibliometric Indicators (source: Scopus)

- Overall number of journal papers: 19
- Overall number of journal papers published in the last 5 years (incl. 2013): 11
- Overall number of citations: 270
- H-Index: 9

Education

Oct. 2016 – **Visiting Scholar**, *School of Interactive Computing, Georgia Tech Institute* (host: Concetta Guerra), Atlanta, US.

Jan. 2005 – **Postdoctoral Fellowship**, *Dipartimento di Statistica, Probabilità e Statistiche Applicate*,
Oct. 2006 *Università degli studi di Roma - La Sapienza*, Rome.

Sept. 2002 – **Postdoctoral Fellowship**, *Dipartimento di Informatica ed Applicazioni, Università degli studi di Salerno*, Salerno.

Aug. 2004

Sept. 2001 **International Summer School on Algorithm Engineering**, Rome.

May – June 2000 **National PhD School on Computer Science**, Bertinoro.

1997–2001 **PhD in Computer Science**, *Università degli studi di Salerno*, Salerno, **Thesis title:** Algorithm Engineering: Methodologies and Support Tools .
Supervisors: Giuseppe Cattaneo, Giuseppe F. Italiano

1992–1997 **Degree in Computer Science**, *Università degli studi di Salerno*, Salerno, **Thesis title:** Spark, a Novel Model for the Algorithm Animation over the Internet.
Final Grade: 110/110 *summa cum laude*

Professional Experience

Jan 2017 – **Research Fellowship Supervisor**, *Dipartimento di Scienze Statistiche - Università di Roma*
Dec. 2017 *- La Sapienza*, Rome, **Author:** Mara Sorella. **Research Title:** Modeling and Mining Dynamic Processes on Social and Information Networks.

May 2002 – **Research Grant**, *Dipartimento di Informatica, Sistemi e Produzione - Università di Roma*
Aug. 2002 *- Tor Vergata*, Rome.
Design of a distributed software architecture for planning and managing the transportation of hazardous materials.

Jan. 2002 – **Research Grant**, *Istituto di Tecnologie Industriali ed Automazione*, Rome.
Apr. 2002 Design and development of a distributed architecture for the implementation of an extended factory.

Funded Research

- Jan. 2007 – **Modelli per la gestione di flussi di merci per terminal marittimi, piattaforme logistiche e reti di trasporto multimodali**, *Funder: Italian Ministry of Education, University and Research.*, Rome, **Type:** PRIN Project.
Dec. 2009 **Role:** Member
- Jan. 2012 – **Studio e sviluppo di nuove tecniche di insegnamento a distanza basate su tecnologie Web 2.0**, *Funder: Università di Roma - La Sapienza.*, Rome, **Type:** Sapienza Research Project.
Dec. 2012 **Role:** Principal Investigator
- Jan. 2014 – **Sviluppo e sperimentazione di algoritmi per l'elaborazione di big graphs**, *Funder: Università di Roma - La Sapienza.*, Rome, **Type:** Sapienza Research Project.
Dec. 2014 **Role:** Principal Investigator
- Jan. 2016 – **Problemi di robustezza su grafi dinamici**, *Funder: Università di Roma - La Sapienza.*, Rome, **Type:** Sapienza Research Project.
Dec. 2016 **Role:** Principal Investigator
- Jan. 2016 – **Transportation and Logistics Optimization in the Era of Big and Open Data**, *Funder: Italian Ministry of Education, University and Research.*, Rome, **Type:** PRIN Project.
ongoing **Role:** Member
- Feb. 2017 – **Algoritmi e tecniche efficienti per l'organizzazione, la gestione e l'analisi di Big Data in ambito biologico**, *Funder: Gruppo Nazionale per il Calcolo Scientifico dell'Istituto Nazionale di Alta Matematica.*, Rome, **Type:** Research Project.
Dec. 2017 **Role:** Local Research Unit Leader
- Feb. 2018 – **Elaborazione ed analisi di Big Data modellati come grafi in vari contesti applicativi**, *Funder: Gruppo Nazionale per il Calcolo Scientifico dell'Istituto Nazionale di Alta Matematica.*, Rome, **Type:** Research Project.
ongoing **Role:** Local Research Unit Leader

Teaching Experience

- 2008 – present **Assistant Professor**, *Dipartimento di Scienze Statistiche - Università di Roma - La Sapienza*, Rome.
- *Gestione di basi dati in ambito biomedico* - 2 CFU, Corso di Dottorato Farmacologia e Tossicologia (Fall '17)
 - *Big Data Analytics* - 3 CFU, Corso di Laurea Magistrale in Scienze Statistiche e Decisionali (Spring '17, Spring '18)
 - *Gestione di Big Data* - 9 CFU, Corso di Laurea Magistrale in Scienze Statistiche e Decisionali (Spring '16, Spring '17, Spring '18)
 - *Applicazioni Web per Basi Dati* - 9 CFU, Corso di Laurea Magistrale in Scienze Statistiche e Decisionali (Spring '12, Spring '13, Spring '14, Spring '15)
 - *Basi Dati* - 9 CFU, Corso di Laurea in Statistica e Tecnologie Informatiche (Spring '08, Spring '09, Spring '10)
 - *Gestione Dati e Database*, Master di II livello in Data Intelligence per le Strategie Decisionali (Spring '10, Spring '11, Spring '12, Spring '13, Spring '14, Spring '15, Spring '16, Spring '17, Spring '18)
 - *Laboratorio di Sistemi Informativi*, Master di I livello in Statistica per la Gestione dei Sistemi Informativi (Spring '08, Spring '09)

- 2004 – 2007 **Adjunct Instructor**, *Dipartimento di Statistica, Probabilità e Statistiche Applicate - Università di Roma - La Sapienza*, Rome.
- *Basi Dati*, Corso di Laurea in Statistica e Tecnologie Informatiche (Spring '05, Spring '06, Spring '07)
- 2002 – 2003 **Adjunct Instructor**, *Dipartimento di Informatica ed Applicazioni - Università degli studi di Salerno*, Salerno.
- *Laboratorio di Informatica di Base II*, Corso di Laurea in Informatica (Spring '03)
 - *Linguaggi di Programmazione II*, Corso di Laurea in Informatica (Spring '03)
- 2002 – 2003 **Adjunct Professor**, *Dipartimento di Informatica, Sistemi e Produzione - Università di Roma - Tor Vergata*, Rome.
- *Sistemi e Tecnologie Informatiche*, Corso di Laurea in Ingegneria Gestionale (Fall '03)

Organizing Chair / Program Committee Member

- 10th International Symposium on Cyberspace Safety and Security, October 24-26, 2018, Amalfi, Italy
- The 2nd International Workshop on Parallel and Distributed Data Mining, July 2 - 5 2018, Melbourne, Australia
- 1st International Workshop on Advances in High-Performance Algorithms Middleware and Applications, Washington, DC, USA May 1-4 2018
- 3rd International Conference on Research Advancements in Computer Science & Technology (advisory board member), Telangana, India, Dec. 20-21, 2017
- Symposium on Applied Computing - Bioinformatics track, Pau, France Apr. 9-13, 2018
- 1st International Workshop on Biometrics and Image Forensics, Palinuro, Salerno, Jun. 3, 2016
- 6th International Conference on Intelligent Networking and Collaborative Systems (INCOS), Salerno, Sep. 10-12, 2014
- XXVI EURO - INFORMS Joint International Conference, Università di Roma - La Sapienza, Jul. 1-4, 2013
- 7th International Conference on Broadband and Wireless Computing, Communication and Applications, Victoria (Canada), Nov. 12-14, 2012
- 2011 IEEE International Conference on Advances in Computing & Communication, National Institute of Technology, Hamirpur (India) Apr. 8-10, 2011
- 7th International Conference on Algorithms and Complexity, Università di Roma - La Sapienza, May 26-28, 2010
- 1st National Workshop on Optimization and Graph Algorithms: substructures, paths and data structures, Salerno, May 3-4, 2007

Editorial Memberships

- Editorial board of the IGI International Journal of Ambient Computing and Intelligence
- Guest editor of BioMed Research under the Special Issue "Statistical and Machine Learning Modeling in Computational Epigenetics"

Awards

- Best Paper. 9th International Symposium on Experimental Algorithms. 2010.
- Best Paper. 14th Annual European Symposium on Algorithms. 2006.
- Best Poster. 10th International World Wide Web Conference. 2001.
- 5,000 Azure USD research grant awarded by Microsoft Research for the project "Public Health: Distributed K-mers Counting". May 2017.

Short bio:

Irene Finocchi

Irene Finocchi obtained a PhD in Computer Science (2002) from Sapienza University of Rome, where is currently Associate Professor at the Department of Statistical Sciences. Her research interests are in big data analytics, working at the intersection of programming languages and algorithmics. She is author of about 90 publications, among which two widely used textbooks on algorithms and data structures.

She has been PC co-chair of ALENEX (SIAM Meeting on Algorithm Engineering and Experiments) in 2009 and 2020, and chair of ESA 2015 (23rd European Symposium on Algorithms) and MPLR 2019 (16th ACM SIGPLAN Conference on Managed Programming Languages & Runtimes).

She is Associate Editor of the ACM Journal on Experimental Algorithmics and has served on the program committees of many top-tier conferences both in algorithmics and in programming languages, including OOPSLA 2017, ECOOP 2015, ECOOP 2014, SODA 2012, ESA 2012, ICALP 2009, ESA 2007.

She is recipient of a Distinguished Paper Award at OOPSLA 2011, the 26th Annual ACM SIGPLAN Conference on Object-Oriented Programming, Systems, Languages, and Applications; and has been involved in the organization of several international scientific events.

Curriculum della Attività Scientifica e Didattica di Paolo Giulio Franciosa

Biografia

Dati personali

Data e luogo di nascita 16 Gennaio 1963, Foggia.

Affiliazione Dipartimento di Scienze Statistiche di Sapienza Università di Roma, Piazzale Aldo Moro 5, 00185 Roma. Tel. 06-49910496.

e-mail: `paolo.franciosa@uniroma1.it`

sito web: `http://www.statistica.uniroma1.it/users/pfrancio`

Studi Dottorato di Ricerca in Informatica presso il Dipartimento di Informatica e Sistemistica della Sapienza, discutendo una tesi intitolata "Trattamento Adattivo di Dati Spaziali".

Posizione attuale professore di prima fascia, settore disciplinare INF/01 (Informatica), presso la Facoltà di Ingegneria dell'Informazione, Informatica e Statistica della Sapienza.

Insegnamento

Dall'a.a. 1994–95 svolge attività didattica principalmente presso la Facoltà di Scienze Statistiche, fino al 2010, e dal 2010 nella Facoltà di Ingegneria dell'Informazione, Informatica e Statistica della Sapienza. In qualità di docente ha tenuto gli insegnamenti di Informatica, Fondamenti di programmazione, Algoritmi e strutture di dati, Basi di dati, Data Warehousing, Data Mining e Business Intelligence, Tecniche di analisi dati e intelligence.

Nell'ambito degli insegnamenti elencati è stato relatore di numerose tesi di laurea, sia di base che magistrale, e di tesi finali per master di secondo livello. Molte delle tesi sono state sviluppate in collaborazione con aziende private (Lottomatica S.p.A., GTECH S.p.A., Vitrociset, TRS, IBM) o istituzioni pubbliche.

Attività di ricerca

È autore di oltre 50 articoli pubblicati su riviste scientifiche internazionali e negli atti di conferenze internazionali. I suoi articoli contano oltre 350 citazioni in articoli pubblicati in sedi internazionali. L'attività di ricerca si estende sulle seguenti aree:

- algoritmi efficienti per l'analisi di big data,
- algoritmi per geometric computing,
- algoritmi per grafi e relazioni d'ordine parziale,
- caratterizzazione combinatoria di grafi,
- robustezza numerica,
- modelli di calcolo per massive data sets.

È stato responsabile scientifico di progetti di ricerca su finanziamenti esterni in collaborazione con Lottomatica S.p.A., Alaric System ltd. (London, UK), GTECH S.p.A., Multipartner S.p.A..

Roma, 9 maggio 2018

Paolo Giulio Franciosa

Curriculum vitae di Isabella Lari

Isabella Lari si è laureata nel 1988 in Scienze Statistiche e nel 1991 ha conseguito il diploma della Scuola di Specializzazione in Ricerca Operativa e Strategie Decisionali presso l'Università di Roma "La Sapienza". Nel 1994 ha conseguito il titolo di dottore di ricerca in Ricerca Operativa. Dal 1990 al 1996 ha lavorato come quadro nella divisione di Pianificazione Strategica di Telecom Italia. Dal 1996 è ricercatrice presso il Dipartimento di Scienze Statistiche dell'Università di Roma "La Sapienza". Attualmente è titolare del corso di Metodi Matematici di Ottimizzazione della laurea magistrale di Scienze Statistiche e Decisionali e in passato ha tenuto corsi di Algoritmi di Ottimizzazione Lineare, Laboratorio di Ottimizzazione, Fondamenti di Informatica, Algoritmi e Strutture Dati. La sua attività scientifica si sviluppa principalmente nell'ottimizzazione combinatoria. In questo ambito si occupa di partizione di grafi, localizzazione di cammini e alberi su grafi, ottimizzazione di funzioni quadratiche pseudoBooleane, problema della clique di cardinalità massima. Tema unificante delle ricerche è lo studio di algoritmi di ottimizzazione in tutti i loro aspetti: progetto, analisi teorica, analisi di complessità, implementazione e sperimentazione. Recentemente sono state condotte ricerche su applicazioni della matematica combinatoria alla teoria musicale, stimatori di modelli lineari e metodi di campionamento bilanciato. Nel passato sono stati affrontati anche temi riguardanti l'allocazione di risorse.

Short bio: M. Grazia Pittau

Maria Grazia Pittau is associate professor of Economic Statistics at the Department of Statistical Sciences at Sapienza University of Rome, Italy, since 2007. During 2005-2007 she was research fellow at the Department of Statistics at Columbia University (NYC, USA). Previously she served as assistant professor at the University of Rome, she was research fellow at the Italian National Statistical Office, visiting researcher at CEPS/INSTEAD (Center for Population, Poverty and Public Policy Studies) in Luxembourg, and at the Institute for Economic Analysis (IAE) in Barcelona (Spain). She received her Ph.D. in Quantitative methods in social sciences from the University of Rome in 1998 and her B.A. in Statistics in 1993.

Her research interests center on the analysis of inequality, poverty, income mobility and polarization, mainly through the application of data mining, statistics, and modeling. She has explored the presence and implications of convergence clubs in the field of economic growth. She has made several contributions to life satisfaction measurement and to the analysis of individual preferences for redistribution through hierarchical models. She has also worked on establishing mechanisms to track sources of missing data in large surveys.

Her contributions have been published in academic journals of economics, applied statistics and econometrics, as *Oxford Bulletin of Economics and Statistics*, *Journal of Applied Statistics*, *Review of Income and Wealth*, *Social Indicators Research*, *Journal of Economic Inequality*, *Annals of Applied Statistics*, *Computational Statistics & Data Analysis*, *Journal of Income Distribution*, *Journal of Applied Econometrics*, *Empirical Economics*. She has also implemented statistical package in R on generalized linear models and missing imputation. She is a member of the Editorial Board of The Journal of Economic Inequality.

CURRICULUM (prof. Nicoletta RICCIARDI)

DATI GENERALI

- Laurea in Matematica - indirizzo generale - Università di Roma "La Sapienza".
- Professore Associato del settore disciplinare MAT 09 (RICERCA OPERATIVA), presso la Facoltà di Ingegneria dell'Informazione, Informatica e Statistica dell'Università di Roma "La Sapienza".
- Direttore del Master di II livello "Gestione della Mobilità Sostenibile" (2004-2013)
- Membro Associato del CIRRELT (Centre Interuniversitaire de recherche sur les réseaux d'entreprise, la logistique et le transport, Canada)
- Membro del Collegio dei Docenti del Dottorato: ABRO, (Automatica, Bioingegneria e Ricerca Operativa), Università di Roma "La Sapienza".
- Membro del Collegio Scientifico e docente del Master di II livello in Data Intelligence e Strategie Decisionali, DISD.
- Titolare dei corsi: "Ottimizzazione", "Logistica", nel corso di laurea Statistica Gestionale, Facoltà di Ingegneria dell'Informazione, Informatica e Statistica.
- Docente del corso di "Localizzazione" presso il Master di II° livello "Data Intelligence e Strategie Decisionali" DISD.

ATTIVITA' SCIENTIFICA

L'interesse e l'attività scientifica è stata ed è prevalentemente concentrata su problemi di ottimo con particolare riguardo ai settori della teoria delle decisioni, della programmazione deterministica e della logistica.

- E' stata più volte invitata per periodi di ricerca presso il C.R.T. (Centre de recherche sur les transports, Université de Montreal, Canada) e il CIRRELT, Montreal, Canada su invito del prof. T. Crainic, per attività di ricerca sui problemi del trasporto merci e presso l'UNAM, Università Nacional del Messico, all'Istituto di Ingegneria dei Sistemi di Città del Messico.
- E' stata ed è responsabile scientifico di progetti di ricerca finanziati dall'Ateneo "La Sapienza"
- Ha presentato numerose comunicazioni e pubblicato lavori in ambito nazionale ed internazionale.
- E' referee di riviste internazionali del settore.

ULTIMI LAVORI SCIENTIFICI

- T. G. Crainic, F. Errico, W.Rei and N. Ricciardi (2015) "Modeling Demand Uncertainty in Two-Tier City Logistics Tactical Planning", *Transportation Science*. Serie 50, vol.2, pp.559-578 ISSN: 0041-1655, doi: [dx.doi.org/10.1287/trsc.2015.0606](https://doi.org/10.1287/trsc.2015.0606).
- T.G. Crainic, P. Dell'Olmo, N. Ricciardi, A. Sgalambro (2015), "Modeling Dry-Port-based Freight Distribution Planning", to appear on *Transportation Research, Part C- Emerging Technologies*, doi:[10.1016/j.trc.2015.03.026](https://doi.org/10.1016/j.trc.2015.03.026).
- P. Dell'Olmo, N. Ricciardi, A. Sgalambro (2014), "A Multiperiod Maximal Covering Location Model for the optimal location of intersection safety cameras on an urban traffic network", Elsevier, *Procedia - Social and Behavioral Sciences* 108 (2014) 106-117.
- T. G. Crainic, F. Errico, W.Rei and N. Ricciardi. "Integrating c2e and c2c traffic into city logistics planning", Elsevier, *Procedia - Social and Behavioral Sciences* 39 (2012) 47 – 60
- Tadei, R., Perboli, G., Ricciardi, N., Baldi M.M.: "The capacitated transshipment location problem with stochastic handling utilities at the facilities", *International Transactions in Operational Research*, ITOR, (2012) DOI: 10.1111/j.1475-3995.2012.00847.x

- Tadei, R., Perboli, G., Ricciardi, N., Baldi M.M.: The Transshipment Location Problem under Uncertainty with Lower and Upper Capacity Constraint. Publication CIRRELT-2011-31, CIRRELT, Montreal, <https://www.cirrelt.ca/DocumentsTravail/CIRRELT-2011-31.pdf> (2011)
- G.Lulli, U. Pietropaoli and N. Ricciardi (2011) "Service Network Design for Freight Railway Transportation: the Italian case", *"Journal of the Operational Research Society"*, vol.62, p. 2107-2119; doi:10.1057/jors.2010.190
- Tadei, R., Ricciardi, N., Perboli, G. The capacitated transshipment location problem under uncertainty. Publication CIRRELT-2009-38, CIRRELT, Montreal, <https://www.cirrelt.ca/DocumentsTravail/CIRRELT-2009-38.pdf> (2009)
- Tadei, R., Ricciardi, N., Perboli, G.: A lagrangian heuristic for the capacitated transshipment location problem under uncertainty. Publication CIRRELT-2009-56, CIRRELT, Montreal, <https://www.cirrelt.ca/DocumentsTravail/CIRRELT-2009-56.pdf> (2009)
- N.Ricciardi, R.Tadei, G.Perboli (2009). "The stochastic p-Median problem with unknown cost probability distribution". *"Operations Research Letters"*, vol. 37, (2009), pp. 135-141
- T.G.Crainic, N.Ricciardi, G.Storchi, "Models for evaluating and planning city logistics transportation systems". *"Transportation Science"*, 43(4):432-454, 2009.
- N.Ricciardi, R. Tadei, G. Perboli, "Capacitated Facility Location with Random Handling Costs" in CD di ODYSSEUS2009 Fourth International Workshop on Freight Transportation and Logistics, Cesme, Izmir, (Turchia), May 2009.
- T. G. Crainic, F. Errico N. Ricciardi, W.Rei, "Evaluating two-echelon city logistics systems" in CD di ODYSSEUS2009 Fourth International Workshop on Freight Transportation and Logistics, Cesme, Izmir, (Turchia), May 2009.
- N. Ricciardi, M.Campetella, G.Lulli, U. Pietropaoli, "Freight Service Design for the Italian Railways Company", ATMOS 2006 -6th Workshop on Algorithmic Methods and Models for Optimizations of Railways, September 14, 2006. ISBN/ISSN: 978-3-939897-01-9 R. Jakob and M. Muller ed, Int. Begegnungs, Germany, 2006.
- T.G. Crainic, N. Ricciardi, G. Storchi, "The-Day-Before Planning for Advanced Freight Transportation Systems in Congested Urban Areas", *CRT-2005*.
- T.G. Crainic, N. Ricciardi, G. Storchi, "Advanced freight transportation systems for congested urban areas", (2004), *Transportation Research, Part C- Emerging Technologies*, vol. 12, pp. 119-137.

LUCA TARDELLA

Curriculum Vitae

(last update: march 2018)

Personal data

- Luca Tardella
- Born on: November 15, 1967
- Nationality: Italian
- ORCID: 0000-0002-5703-3909

Current Academic Position

- 2018 – present, Full Professor in Statistics, Dept. of Statistical Sciences, Sapienza University of Rome

Academic Experience

- 2005 – 2018. Associate Professor in Statistics, Dept. of Statistical Sciences, Sapienza University of Rome
- 1997 – 2004. Assistant Professor in Statistics, Dept. of Statistical Sciences, Sapienza University of Rome

Education

- 1998 – PhD Statistics – “Some Topics in Bayesian Methodology” (supervisor: M. Lavine)
- 1996 – PhD Statistica Metodologica – “Analisi bayesiana: da un approccio parametrico robusto all’inferenza non parametrica” (supervisor: G. Salinetti)

Research fields:

My research interests include Bayesian inference, computational methods, non parametric and robust Bayesian analysis, methods and modelling for capture-recapture sampling, ranking data, statistical modelling for genomic and microarray analysis. As of 2018, Google Scholar reports more than 400 citations to my work with H-index of 10. Scopus reports 26 articles and h index equal to 8. I have over 50 publications and I have released 2 statistical packages with General Public Licence on the Comprehensive R Archive Network. In particular, my research works have been published by *Biometrika*, *Biometrics*, *Electronic Journal of Statistics*, *Biostatistics*, *Test*, *Computational Statistics and Data Analysis*, *Statistics in Medicine*, *Psychometrika*

Bibliometrics indices

- H-index Scopus: 8
- H-index Google Scholar: 10

Funding Information (selection)

- 2017 – Principal Investigator – Sapienza University Grant – Ricerche Universitarie “Bayesian tools for inferring the size of a finite population in the absence of a complete census framework”
- 2014 – Principal Investigator – Sapienza University Grant – Ricerche Universitarie “Extending parametric models for ranked data”
- 2012 – Principal Investigator – Sapienza University Grant – Ricerche Universitarie “Improved inference for capture recapture modelling”
- 2007 – Principal Investigator – AST – Sapienza University Grant – “IRT models and Bayesian methods for a case study: Peabody Picture Vocabulary Test – Revised (PPVT-R)”
- 2005 – Principal Investigator – Sapienza University Grant – “Bayesian Methods for the unknown size of a finite population”
- 2003 – Principal Investigator – Sapienza University Grant – “Computational methods for statistical models with variable dimension”
- 2001 – Principal Investigator – Sapienza University Grant – “New inferential procedures for Capture Recapture models”

Awards and Honors

- 2017- Member of the Board of Directors of the International Society for Bayesian Analysis
- 2017- Member of the Board of the Italian section of the International Biometric Society

- 2006–2009 Elected Member of the Academic Senate, Sapienza Università di Roma
- 1995 CNR fellowship for young researcher
- 1992 CNR fellowship for young researcher

Memberships in professional societies:

- Member of the International Society for Bayesian Analysis
- Member of the Italian statistical society
- Member of the Italian section of the International Biometric Society

Editorial activity

Associate editor of:

- Bayesian Analysis (January 2013–)
- Statistical Methods and Applications (ed. Springer) (2013–2015)

Executive editor of:

- Metron (2003–2006)

Journal Referee/Reviewer for more than many international journals among which: Journal of the American Statistical Association, Annals of Statistics, Biometrics, Computational Statistics and Data Analysis, Annals of Applied Statistics, Biometrical Journal, Environmental and Ecological Statistics, Sociological Methodology, Journal of Computational Statistics and Simulation, Bayesian Analysis, Metron, Statistical Methods and Applications

Consulting/Advising Activities

- Merk Sharp & Dohme
- RAI
- Cefriel

Committees

- Organizing – 2018 – ISNPS2018 – 4th Conference of the International Society for Nonparametric Statistics, Salerno, 11–15 June 2018
- Organizing – 2017 – SIS_Bayes Workshop, Roma 7–8 February 2017 Advances in Bayesian Statistics
- Organizing – 2013 – ABC in Rome, Roma, 31 May 2013
- Organizing – 2007 – OBAYES 7, Objective Bayesian – Rome, 8–12 July 2007
- Organizing – 2006 – COMPSTAT 2006 17th Conference of IASC-ERS, Roma, 28 August – 1 September 2006
- Organizing – 2004 – The Fourth Workshop on "BAYESIAN NONPARAMETRICS: Methodology, Theory and Applications", Roma 13–16 June 2004.
- Organizing – 1999 – International Workshop on Foundational Issues and Statistical Practice, Bibbiena October 1999.
- Scientific – workshop "Mixture Models between Theory and Applications", 13 September 2002, Sapienza Università di Roma

Teaching and Mentoring

I teach graduate and undergraduate courses in Inference, Statistical methods for Data Science, Bayesian Modelling, Statistical Software Sapienza University of Rome. I am a member of the board of the PhD in Statistical Sciences (Sapienza University)

Ph.D. Students

- Serena Arima – 2008 "Bayesian tools for complex statistical models in genetics"
- Davide Di Cecco – 2009 "Markov exchangeable data and Mixtures of Markov Chains"
- Danilo Alunni Fegatelli 2013 "New methods for capture-recapture modelling with behavioural response and individual heterogeneity"
- Cristina Mollica – 2014 "Extending parametric models for ranked data"
- Giorgia Rocco – 2017 "Multilevel mixed-type data analysis for validating partitions of scrapie isolates"
- Francesco Catenacci (current)
- Pierfrancesco Alaimo Di Loro (current)

Short bio: Roberto Zelli

Roberto Zelli is professor of Economic Statistics at Sapienza University of Rome, where he has been since 1997. He holds a B.A. in Statistics and a Ph.D. in Economics from the University of Rome, and a M.Sc. in Quantitative Development Economics from the University of Warwick (UK). His research interests center on the analysis of inequality, poverty, income mobility and polarization, mainly through the application of data mining, statistics, and modelling. He has made several contributions to growth econometrics and well-being measurement and to the analysis of preferences for redistribution. His research output has been published in academic journals of economics, applied statistics and econometrics. He is associate editor of the *Review of Income and Wealth* and *Metron*. He served as expert of the Advisory Committee on Statistics at Presidency of the Council of Ministers of Italy and he is consultant of the World Bank.