

Antonio Lijoi

Department of Decision Sciences
Bocconi University
Via Röntgen 1
20136 Milano, Italy

Education

- APR 1999 *PhD in Statistics*, University of Trento (Italy)
Supervisor: Professor Eugenio Regazzini
- Nov 1994 *Degree in Economics* with honours (110/110 cum laude), Bocconi University, Milano
Awarded for Best Graduates 1994, Bocconi University

Current academic positions

- FEB 2017 – *Professor of Statistics*, Bocconi University
- SEP 2018 – *Director*, PhD in Statistics and Computer Science, Bocconi University
- FEB 2017 – *Fellow*, Bocconi Institute of Data Science and Analytics (BIDSA)
- JAN 2010 – *Member*, “de Castro” Statistics Initiative, Collegio Carlo Alberto

Past academic positions

- DEC 2011 – JAN 2017 *Professor of Probability and Mathematical Statistics*, University of Pavia
- NOV 2015 – SEP 2017 *Member*, PhD Faculty Board in *Mathematics*, University of Pavia, University of Milano Bicocca and National Institute of High Mathematics (INdAM)
- NOV 2011 – OCT 2015 *Member*, PhD Faculty Board in *Mathematics and Statistics*, University of Pavia
- MAR 2006 – DEC 2011 *Associate Professor of Statistics*, University of Pavia
- NOV 2008 – NOV 2011 *Vice-Director*, Department of Economics and Quantitative Methods, University of Pavia
- NOV 1999 – FEB 2006 *Assistant Professor of Statistics*, University of Pavia
- JAN 2005 – DEC 2012 *Research Fellow*, Institute of Applied Mathematics and Information Technology, National Research Council (IMATI-CNR)
- DEC 1998 – OCT 1999 *Post-Doctoral Fellow*, Institute for the Applications of Mathematics and Computer Science, National Research Council (IAMI-CNR), Milano
- NOV 1995 – OCT 1998 *PhD program in Statistics*, University of Trento
- MAR 1995 – OCT 1995 *Research Associate*, IAMI-CNR, Milano

Awards and honors

- Fellow*, Institute of Mathematical Statistics (2018).
- Fellow*, International Society for Bayesian Analysis (2016).
- Invited Visiting Fellow*, Mathematisches Forschungsinstitut Oberwolfach, Germany (May 2021, fully online).
- Invited Visiting Fellow*, CIRM, Marseille, France (Nov 2018).
- Invited Visiting Fellow*, Lorentz Center, Leiden, The Netherlands (Jun 2013, Apr 2018).
- Invited Visiting Fellow*, Institute of Computational and Experimental Research in Mathematics (ICERM), Brown University, USA (Sep - Oct 2012).
- Joint recipient of a *European Research Council* (ERC) Starting Grant. Research team: Pierpaolo De Blasi, Stefano Favaro, Antonio Lijoi, Igor Prünster (PI), Matteo Ruggiero (Jun 2012).

Bocconi research excellence award, 2018-2019-2021

Awarded for *Best Research 2009* in Mathematics and Statistics, Department of Economics and Quantitative Methods, University of Pavia.

Invited Visiting Fellow, Collegio Carlo Alberto, Moncalieri, Italy (Sep - Dec 2009)

Invited Visiting Fellow, Isaac Newton Institute of Mathematical Sciences, Cambridge, U.K. (Jul – Aug 2007)

Editorial activity and professional services

Associate Editor, Journal of the American Statistical Association, Theory & Methods (2020-)

Associate Editor, Bayesian Analysis (2019-)

Associate Editor, Electronic Journal of Statistics (2016-)

Associate Editor, Statistics & Probability Letters (2016-2019)

Associate Editor, Statistical Methods and Applications (2010-2013)

Guest Editor, International Journal of Approximate Reasoning, Special Issue on “Bayesian Nonparametrics” (2017)

Guest Editor, Metron, Special Issue on “The statistical legacy of Corrado Gini” (2016)

Chair, *Scientific Committee* of the 12th *Bayesian Nonparametrics* conference, Oxford, UK (Jun 2019)

Invited Program Co-Chair (with I. Pruenster), Institute of Mathematical Statistics (IMS), 78th IMS Annual Meeting & Joint Statistical Meetings 2015, Seattle USA (Aug 2015)

Chair, Bayesian Nonparametrics Section, International Society for Bayesian Analysis (2015-2016)

Member, Board of Directors, International Society of Bayesian Analysis (2014 - 2016)

Associate Editor, Statistical Methods and Applications (2010-2013)

Associate Editor, International Journal of Statistics and Managements Systems (2006-2009)

Referee ACM Transactions on Modeling and Computer Simulation, Acta Applicandae Mathematicae, AISTATS, The Annals of Statistics, Annales de l’Institute Henri Poincaré, Bayesian Analysis, Bernoulli, Biometrika, Communications in Statistics, Computational Statistics and Data Analysis, Electronic Journal of Statistics, Environmental and Ecological Statistics, Journal of Computational and Graphical Statistics, Journal of Multivariate Analysis, Journal of Statistical Planning and Inference, Journal of the American Statistical Association, Journal of the Royal Statistical Society Series B, Metrika, PloS ONE, Quantitative Finance, Sankhya, Statistica Sinica, Statistical Inference for Stochastic Processes, Statistics and Probability Letters, Stochastic Processes and their Applications, Test.

Referee for: National Security Agency (Mathematical Sciences Program); The Netherlands Organisation for Scientific Research (NWO); Research Grants Council (Hong Kong); Superior Council of the National Fund for Scientific and Technological Development, FONDECYT (Chile); Research Promotion Foundation (Cyprus), Italian Ministry for University and Scientific Research (MIUR); Italian Agency for the Evaluation of Universities and Research Institutes (ANVUR).

Doctoral Committees, PhD dissertations in *Statistics* (Universidad Autonoma de México, 2021); *Statistics* (University of Oxford, 2020); *Statistics* (University of Kent, Canterbury, 2019); *Statistics* (Bocconi University, 2008 and 2013); *Statistics and Applied Mathematics* (University of Torino, 2010 and 2014); *Applied Mathematics* (Université Paris-Dauphine, 2013); *Mathematics and Statistics* (University of Pavia, 2011).

Invited talks at conferences

OCT 2022 13th conference on *Bayesian Nonparametrics*, Puerto Varas, Chile. Keynote talk.

JUN 2022 *ISBA 2022 World Meeting*, Montreal, Canada. Keynote talk.

JUL 2021 *4th International Conference on Econometrics and Statistics*, (online).

JUN 2021 *ISBA 2020 World Meeting* (online).

OCT 2019 *XLV Meeting of the Chilean Statistical Society*, Puerto Varas, Chile. Keynote talk.

MAY 2019 *Spring Workshop on Computational Mathematics, Statistics and Machine Learning*, University of Pavia, Italy. Keynote talk.

NOV 2018 *Bayesian statistics in the era of Big Data*. CIRM, Marseille, France.

SEP 2018 *Bayesian learning theory for complex data modeling*, Grenoble, France. Keynote talk.

AUG 2018 *Joint Statistical Meetings*, Vancouver, Canada.

JUN 2018 *ISBA 2018 World Meeting*, Edinburgh, UK.

JUN 2018 *2nd International Conference on Econometrics and Statistics*, The City University of Hong Kong, Hong Kong.

APR 2018 *Workshop on Uncertainty Quantification in Complex, Nonparametric Statistical Models*, Lorentz Center, Leiden, The Netherlands.

JAN 2018 *Workshop on Regulation and Inference in Biological Networks*, Bardonecchia, Italy.

DEC 2017 *BIRS Workshop on Bayesian nonparametric inference: dependence structures and their applications*, Casa Matemática Oaxaca - Banff International Research Station, Oaxaca, México.

SEP 2017 *Royal Statistical Society 2017 Annual Conference*, Glasgow, UK.

JUN 2017 11th conference on *Bayesian Nonparametrics*, Paris, France.

AUG 2016 22nd International Conference on *Computational Statistics - COMPSTAT*, Oviedo, Spain.

JUL 2016 *Joint Statistical Meetings*, Chicago, USA.

JUN 2016 *ISBA 2016 World Meeting*, Santa Margherita di Pula, Italy.

JAN 2016 6th IMS-ISBA Joint Meeting *BayesComp at MCMSki V*, Lenzerheide, Switzerland.

JUL 2014 37th Conference in *Stochastic Processes and Applications*, Buenos Aires, Argentina.

JUL 2014 3rd *IMS Asia Pacific Rim Meeting*, Taipei, Taiwan.

JUN 2014 47th *Meeting of the Italian Statistical Society*, Cagliari, Italy.

DEC 2013 6th International Conference on *Computing and Statistics – ERCIM*, University of London, UK.

SEP 2013 *BIRS Workshop Random measures and measure-valued processes*, Banff International Research Station, Canada.

JUN 2013 9th Conference on *Bayesian Nonparametrics*, Amsterdam, The Netherlands.

JUN 2013 8th Workshop on *Bayesian Inference in Stochastic Processes*, Milano.

SEP 2012 Workshop on *Bayesian Nonparametrics*, Brown University, USA

AUG 2012 Workshop on *Common Concepts in Machine Learning and Statistical Physics*, Abdus Salam International Center of Theoretical Physics, Trieste, Italy

JUN 2012 *ISBA 2012 World Meeting*, Kyoto, Japan.

JUN 2012 1st Conference of the *International Society of NonParametric Statistics*, Chalkidiki, Greece.

DEC 2011 4th International Conference on *Computing and Statistics – ERCIM*, University of London, UK.

SEP 2011 Conference S.Co. 2011 - *Complex Data Modelling and Computationally Intensive Statistical Methods for Estimation and Prediction*, Padova, Italy.

- JUL 2011 *Bayesian Nonparametric Programme*, Veracruz, México.
- AUG 2010 *Joint Statistical Meetings*, Vancouver, Canada.
- JUN 2010 CRiSM workshop on *Model Uncertainty*, University of Warwick, UK.
- APR 2010 *New England Statistics Symposium*, Harvard University, Cambridge, USA.
- AUG 2007 *Construction and Properties of Bayesian Nonparametric Regression Models*, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK.
- NOV 2006 *IX Simposio de Probabilidad y Procesos Estocásticos*, CIMAT (Centro de Investigación en Matemáticas), Guanajuato, México.
- JUL 2006 *Mathematics and its Applications*, Joint meeting of the Italian Mathematical Union and the French Mathematical Society, Torino, Italy.
- JUN 2006 *XLIII Scientific Meeting of the Italian Statistical Society*, Torino, Italy.
- DEC 2003 *Bernoulli Society East Asian and Pacific Regional Conference*, Hong Kong University of Science and Technology, Hong Kong.
- JUN 2001 2nd Workshop on *Bayesian Inference for Stochastic Processes*, Varenna, Italy.
- JUL 2001 *Statistics and Telecommunications. New methodologies for new problems*, Rome, Italy.

Contributed talks at conferences

- JUL 2008 7th *World Congress in Probability and Statistics*, organized by the Bernoulli Society and the Institute of Mathematical Statistics, Singapore.
- JUL 2005 25th *European Meeting of Statisticians*, organized by the Bernoulli Society, Oslo, Norway.
- JUN 2004 *XLII Scientific Meeting of the Italian Statistical Society*, Bari, Italy.
- MAY 2003 3rd Workshop on *Bayesian Inference for Stochastic Processes*, La Manga, Spain.

Organization of conferences/sessions

- JUN 2020 Organizer of an invited session on “Bayesian asymptotics and approximation” at the *ISBA 2020 World Meeting*, Kunming, China
- JUN 2020 Organizer of an invited session on “Advances on Bayesian Nonparametric modeling and computations” at the *5th Conference of the International Society for Nonparametric Statistics*, Cyprus.
- DEC 2019 *Member of the Scientific Committee of the XV Latin American Congress of Probability and Mathematical Statistics*, Merida-Yucatán, México.
- SEP 2018 *Member of the Scientific Committee of the conference on The Mathematics of Subjective Probability*, Milano, Italy.
- JUN 2018 Organizer of an invited session on “Discrete probabilistic structures for Bayesian Nonparametrics” at the *ISBA 2018 - World Meeting*, Edinburgh, UK.
- JUN 2018 Organizer of an invited session on “New trends and advances in Bayesian Nonparametrics” at the *4th Conference of the International Society for Nonparametric Statistics*, Salerno, Italy.
- JUN 2017 *Member of the Scientific Committee of the 1st Italian Conference on Probability and Mathematical Statistics*, Torino, Italy.
- DEC 2016 *Member of the Scientific Committee of the 9th International Conference on Computing & Statistics (ERCIM 2016)*. Co-organizer of 3 sessions on “Bayesian semi- and nonparametric modelling”.
- JUN 2016 *Member of the Local Organizing Committee of Advances in Statistics, Probability and Mathematical Physics - A conference in honor of Eugenio Regazzini*, Pavia, Italy.

- JUN 2016 *Member of the Local Organizing Committee of the ISBA 2016 - World Meeting, Santa Margherita di Pula, Italy.*
- JUN 2016 *Organizer of a Special Topic Session on “Asymptotic properties of Bayesian nonparametric procedures” at the ISBA 2016 - World Meeting, Santa Margherita di Pula, Italy.*
- DEC 2015 *Member of the Scientific Programme Committee of the 8th International Conference on Computing & Statistics (ERCIM 2015). Co-organizer of 3 sessions on “Bayesian semi- and nonparametric modelling”.*
- SEP 2015 *Member of the Scientific Committee of the Conference on Statistics and Demography: the legacy of Corrado Gini, organized by the Italian Statistical Society, Treviso, Italy.*
- JUN 2015 *Member of the Scientific Committee of the 10th Bayesian Nonparametrics Conference, Raleigh, USA.*
- JAN 2014 *Co-organizer of an invited session on “Computational tools for Bayesian nonparametrics” at the 4th MCMSki Conference, Chamonix, France.*
- DEC 2014 *Member of the Scientific Programme Committee of the 7th International Conference on Computing & Statistics (ERCIM 2014). Co-organizer of 3 sessions on “Bayesian semi- and nonparametric modelling”.*
- DEC 2013 *Member of the Scientific Programme Committee of the 6th International Conference on Computing & Statistics (ERCIM 2013). Co-organizer of 4 sessions on “Bayesian semi- and nonparametric modelling”.*
- DEC 2012 *Member of the Scientific Programme Committee of the 5th International Conference on Computing & Statistics (ERCIM 2012). Co-organizer of 4 sessions on “Bayesian semi- and nonparametric modelling”.*
- JUN 2011 *Member of the Scientific Committee of the 8th Bayesian Nonparametrics Workshop, Veracruz, México*
- JUN 2011 *Co-organizer of an invited session at the International Research Conference on Bayesian Learning, Istanbul, Turkey.*
- AUG 2010 *Organizer of a Topic Contributed session on “Dependent priors for Bayesian nonparametric inference: applied and methodological advances” at the Joint Statistical Meetings, Vancouver, Canada.*
- JUN 2010 *Member of the Organizing Committee of the Carlo Alberto Stochastics Workshop on “Bayesian Asymptotics”, Collegio Carlo Alberto, Moncalieri, Italy.*
- SEP 2009 *Organizer of an invited session on “Bayesian Nonparametrics” at the “Conference on Computational Statistics”, Politecnico of Milano, Italy*
- JUN 2009 *Member of the Scientific Committee and of the Local Organizing Committee of the 7th Bayesian Nonparametrics Workshop, Collegio Carlo Alberto, Moncalieri, Italy.*
- JAN 2005 *Member of the Local Organizing Committee of the “2nd Joint IMS-ISBA MCMSki meeting”, Bormio, Italy*

Seminars

Queen Mary University London (Apr 2021), Sorbonne Université, Paris (May 2020), Università di Bologna (Apr 2017), Università “La Sapienza” di Roma (Jan 2017), Universidad Carlos III de Madrid (Oct 2015), University of Texas at Austin (May 2015), University of Amsterdam (Apr 2015), Università di Roma “La Sapienza”, Rome (Feb 2015), University of Cambridge (Jan 2015), Università Ca’ Foscari, Venice (Jan 2015, Sep 2010), Columbia University (Sep 2012), Universidad de Navarra (Apr 2009), University of Oxford (Apr 2007), University of Warwick (Apr 2007 & Jan 2009), University “L.Bocconi” (Dec 2005 & Mar 2004), Politecnico di Milano, Milan (Apr 2004 & Jun 2008), Chalmers University of Technology (Jun 2000), University of Pavia (Feb 1999 & Mar 2001)

Visiting periods

Department of Statistics, University of Michigan, Ann Arbor (Apr 2016)
Department of Statistics and Data Science, University of Texas at Austin (Sep 2014, May 2015, Feb 2017)
Department of Statistical Sciences, Columbia University (Sep 2012 & Sep 2013)
Department of Mathematics, University of Texas at Austin (Sep 2013)
Departamento de Métodos Cuantitativos, Universidad de Navarra, Pamplona (Apr 2009)
Department of Statistics, University of Warwick, UK (Apr 2007, Jan 2009)
Departamento de Probabilidad y Estadística, IIMAS-UNAM, México (Nov 2006)
Institute of Mathematics, Statistics and Actuarial Sciences, University of Kent (Dec 2004, Jan 2009, Feb 2016)
Department of Mathematical Sciences, University of Bath, UK (Nov 2002, Nov 2003)
Department of Statistics, Stanford University, California (Jul-Aug 2001)
Department of Mathematical Sciences, Chalmers University of Technology, Göteborg (Jun 2000).

Society memberships

American Statistical Association; Bernoulli Society; Institute of Mathematical Statistics; International Society for Bayesian Analysis; Italian Statistical Society.

Research grants

Local unit principal investigator, Department of Economics and Management, University of Pavia, National Research Project 2016-2018 “*Modern Bayesian Nonparametric Methods*” funded by the Italian Ministry of University and Research (MIUR).

Co-investigator, European Research Council (ERC) project (2012-2016): *New directions in Bayesian Nonparametrics*. Research team: Pierpaolo De Blasi, Stefano Favaro, Antonio Lijoi, Igor Prünster (PI), Matteo Ruggiero.

Local unit principal investigator, Department of Economics and Quantitative Methods, University of Pavia. National Research Project 2008-2010 “*Bayesian methods: theoretical developments and novel applications*” funded by MIUR.

Co-investigator. National Research Project 2006-2008 “*de Finetti’s reconstruction of the Bayes-Laplace paradigm: new methodological developments and applications*” funded by MIUR.

Co-investigator. National Research Project 2003-2005 “*Bayesian networks and causal inference: methodology and applications*” funded by MIUR.

Co-investigator. National Research Project 2002-2004 “*Bayesian nonparametric methods and their applications*” funded by the MIUR.

Co-investigator. National Research Project 1998-2000 “*Statistical models: probabilistic tools and procedures for inference and decisions*” funded by MIUR.

Research supervision

- Francesco Gaffi, PhD student (joint supervision with Igor Prünster). Defense: Jan 2023.
- Beatrice Franzolini, PhD student (joint supervision with Igor Prünster). Defense: Jan 2022.
- Marta Catalano, PhD student (joint supervision with Igor Prünster).
- Giovanni Rebaudo, PhD student (joint supervision with Igor Prünster). Postdoctoral fellow at the University of Texas, Austin.
- Tommaso Rigon, PhD student (joint supervision with Igor Prünster). Assistant Professor at the University of Milano-Bicocca.
- Federico Camerlenghi, PhD student (joint supervision with Igor Prünster). Recipient of the 2016 “*L.J. Savage Award*”, by ISBA & ASA, and of the 2015 “*Best PhD thesis in Statistical Methodology*” award by the Italian Statistical Society. Assistant Professor at the University of Milano-Bicocca.

- Bernardo Nipoti, PhD student. Awarded 2011 “*Best PhD thesis in Statistical Methodology*” by the Italian Statistical Society. Finalist 2012 “*L.J. Savage Award*” (Honorable Mention). Associate Professor at the University of Milano-Bicocca.
- Fabrizio Leisen, postdoctoral fellow. Professor at the University of Nottingham (UK).

Publications in refereed journals

1. Catalano, M., Lijoi, A. and Prünster, I. (2021). Measuring dependence in the Wasserstein distance for Bayesian nonparametric models. *The Annals of Statistics*, to appear.
2. Camerlenghi, F., Lijoi, A. and Prünster, I. (2021). Survival analysis via hierarchically dependent mixture hazards. *The Annals of Statistics*, **49**, 863-884.
3. Catalano, M., Lijoi, A. and Prünster, I. (2020). Approximation of Bayesian models for time-to-event data. *Electronic Journal of Statistics*, **14**, 3366-3395.
4. Lijoi, A., Prünster, I. and Rigon, T. (2020). Sampling hierarchies of discrete random measures. *Statistics and Computing*, **30**, 1591-1607.
5. Denti, F., Guindani, M., Leisen, F., Lijoi, A., Vannucci, M. and Wadsworth, D. (2020). Two-group Poisson-Dirichlet mixtures for multiple testing. *Biometrics*, to appear
6. Ascolani, F., Lijoi, A. and Ruggiero, M. (2020). Predictive inference with Fleming-Viot driven dependent Dirichlet processes. *Bayesian Analysis*, to appear.
7. Lijoi, A., Prünster, I. and Rigon, T. (2020). The Pitman-Yor multinomial process for mixture modeling. *Biometrika*, **107**, 891-906.
8. Graziadei, H., Lijoi, A., Lopes, H.F., Marques F., P.C. and Prünster, I. (2020). Prior sensitivity analysis in a semi-parametric integer-valued time series model. *Entropy*, **22**, 69.
9. Camerlenghi, F., Dunson, D.B., Lijoi, A., Prünster, I. and Rodriguez, A. (2019). Latent nested nonparametric priors. *Bayesian Analysis* (discussion paper), **14**, 1303-1356.
10. Camerlenghi, F., Lijoi, A., Orbanz, P. and Prünster, I. (2019). Distribution theory for hierarchical processes. *The Annals of Statistics*, **47**, 67-92.
11. Camerlenghi, F., Lijoi, A. and Prünster, I. (2018). Bayesian nonparametric inference beyond the Gibbs-type framework. *Scandinavian Journal of Statistics*, **45**, 1062-1091.
12. Kume, A., Leisen, F. and Lijoi, A. (2018). Limiting behavior of the stationary search cost distribution driven by a generalized gamma process. *Electronic Communications in Probability*, **23**, paper no. 11, 10 pp. (online).
13. Canale, A., Lijoi, A., Nipoti, B. and Prünster, I. (2017). On the Pitman-Yor process with spike and slab base measure. *Biometrika*, **104**, 681-697.
14. Camerlenghi, F., Lijoi, A. and Prünster, I. (2017). Bayesian prediction with multiple-samples information. *Journal of Multivariate Analysis*, **156**, 18-28.
15. Lijoi, A., Muliere, P., Prünster, I. and Taddei, F. (2016). Innovation, growth and aggregate volatility from a Bayesian nonparametric perspective. *Electronic Journal of Statistics*, **10**, 2179-2203.
16. Favaro, S., Lijoi, A., Nava, C., Nipoti, B., Prünster, I. and Teh, Y.W. (2016). On the stick-breaking representation of homogeneous NRMIs. *Bayesian Analysis*, **11**, 697-724.
17. Arbel, J., Lijoi, A. and Nipoti, B. (2016). Full Bayesian inference with hazard mixture models. *Computational Statistics & Data Analysis*, **93**, 359-372.
18. De Blasi, P., Favaro, S., Lijoi, A., Mena, R.H., Prünster, I. and Ruggiero, M. (2015). Are Gibbs-type priors the most natural generalization of the Dirichlet process? *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **37**, 212-229.
19. Lijoi, A. and Nipoti, B. (2014). A class of hazard rate mixtures for combining survival data from different experiments. *Journal of the American Statistical Association*, **109**, 802-814.

20. Lijoi, A., Nipoti, B. and Prünster, I. (2014). Dependent mixture models: clustering and borrowing information. *Computational Statistics & Data Analysis*, **71**, 417-433.
21. Lijoi, A., Nipoti, B. and Prünster, I. (2014). Bayesian inference with dependent normalized completely random measures. *Bernoulli*, **20**, 1260-1291.
22. Barrios, E.J., Lijoi, A., Nieto-Barajas, L.E. and Prünster, I. (2013). Modeling with normalized random measure mixture models. *Statistical Science*, **28**, 313-334.
23. De Blasi, P., Lijoi, A. and Prünster, I. (2013). An asymptotic analysis of a class of discrete nonparametric priors. *Statistica Sinica*, **23**, 1299-1322.
24. Favaro, S., Lijoi, A. and Prünster, I. (2013). Conditional formulae for Gibbs-type exchangeable random partitions. *The Annals of Applied Probability*, **23**, 1721-1754.
25. Leisen, F., Lijoi, A. and Spanò, D. (2013). A vector of Dirichlet processes. *Electronic Journal of Statistics*, **7**, 62-90.
26. Favaro, S., Lijoi, A. and Prünster, I. (2012). A new estimator of the discovery probability. *Biometrics*, **68**, 1188-1196.
27. Favaro, S., Lijoi, A. and Prünster, I. (2012). Asymptotics for a Bayesian nonparametric estimator of species richness. *Bernoulli*, **18**, 1267-1283.
28. Favaro, S., Lijoi, A. and Prünster, I. (2012). On the stick-breaking representation of normalized inverse-Gaussian priors. *Biometrika*, **99**, 663-674.
29. Lijoi, A. and Prünster, I. (2011). A conversation with Eugenio Regazzini. *Statistical Science*, **26**, 647-672.
30. Leisen, F., Lijoi, A. and Paroissin, C. (2011). Limiting behaviour of the search cost distribution for the move-to-front rule in the stable case. *Statistics & Probability Letters*, **81**, 1827-1832.
31. Leisen, F. and Lijoi, A. (2011). Vectors of two-parameter Poisson-Dirichlet processes. *Journal of Multivariate Analysis*, **102**, 482-496.
32. Epifani, I. and Lijoi, A. (2010). Nonparametric priors for vectors of survival functions. *Statistica Sinica*, **20**, 1455-1484.
33. James, L.F., Lijoi, A. and Prünster, I. (2010). On the distribution of means of nonparametric prior processes. *Bernoulli*, **16**, 155-180.
34. Lijoi, A. and Prünster, I. (2009). Distributional properties of means of random probability measures. *Statistics Surveys*, **3**, 47-95.
35. Favaro, S., Mena, R., Lijoi, A. and Prünster, I. (2009). On Bayesian nonparametric inference in species sampling models. *Journal of the Royal Statistical Society, Series B*, **71**, 993-1008.
36. James, L.F., Lijoi, A. and Prünster, I. (2009). Posterior analysis for normalized random measures with independent increments. *Scandinavian Journal of Statistics*, **36**, 76-97.
37. James, L.F., Lijoi, A. and Prünster, I. (2008). Distributions of linear functionals of two parameter Poisson-Dirichlet random measures. *The Annals of Applied Probability*, **18**, 521-551.
38. Lijoi, A., Prünster, I. and Walker, S.G. (2008). Bayesian nonparametric estimators derived from conditional Gibbs structures. *The Annals of Applied Probability*, **18**, 1519-1547.
39. Lijoi, A., Mena, H. and Prünster, I. (2008). A Bayesian nonparametric approach for comparing clustering structures in EST libraries. *Journal of Computational Biology*, **15**, 1315-1327.
40. Lijoi, A., Prünster, I. and Walker, S.G. (2008). Investigating nonparametric priors with Gibbs structure. *Statistica Sinica*, **18**, 1653-1668.
41. Lijoi, A., Prünster, I. and Walker, S.G. (2008). Posterior analysis for some classes of nonparametric models. *Journal of Nonparametric Statistics*, **20**, 447-457.
42. Lijoi, A., Mena, H. and Prünster, I. (2007). Controlling the reinforcement in Bayesian nonparametric mixture models. *Journal of the Royal Statistical Society, Series B*, **69**, 715-740.

43. Lijoi, A., Mena, H. and Prünster, I. (2007). Bayesian nonparametric estimation of the probability of discovering a new species. *Biometrika*, **94**, 769-786.
44. Lijoi, A., Mena, H. and Prünster, I. (2007). A Bayesian nonparametric method for prediction in EST analysis. *BMC Bioinformatics*, **8**:339.
45. Walker, S.G., Lijoi, A. and Prünster, I. (2007). On rates of convergence for posterior distributions in infinite-dimensional models. *The Annals of Statistics*, **35**, 738-746.
46. Lijoi, A., Prünster, I. and Walker, S.G. (2007). Bayesian consistency for stationary models. *Econometric Theory*, **23**, 749-759.
47. Lijoi, A., Prünster, I. and Walker, S.G. (2007). On convergence rates for nonparametric posterior distributions. *Australian & New Zealand Journal of Statistics*, **49**, 209-219.
48. James, L.F., Lijoi, A. and Prünster, I. (2006). Conjugacy as a distinctive feature of the Dirichlet process. *Scandinavian Journal of Statistics*, **33**, 105-120.
49. Lijoi, A., Mena, R. and Prünster, I. (2005). Hierarchical mixture modelling with normalized inverse Gaussian priors. *Journal of the American Statistical Association*, **100**, 1278-1291.
50. Lijoi, A., Prünster, I. and Walker, S.G. (2005). On consistency of nonparametric normal mixtures for Bayesian density estimation. *Journal of the American Statistical Association*, **100**, 1292-1296.
51. Walker, S.G., Lijoi, A. and Prünster, I. (2005). Data tracking and the understanding of Bayesian consistency. *Biometrika*, **92**, 765-778.
52. Lijoi, A., Mena, R. and Prünster, I. (2005). Bayesian nonparametric analysis for a generalized Dirichlet process prior. *Statistical Inference for Stochastic Processes*, **8**, 283-309.
53. Lijoi, A. and Regazzini, E. (2004). Means of a Dirichlet process and multiple hypergeometric functions. *The Annals of Probability*, **32**, 1469-1495.
54. Lijoi, A., Prünster, I. and Walker, S.G. (2004). Extending Doob's consistency theorem to nonparametric densities. *Bernoulli*, **10**, 651-663.
55. Lijoi, A. and Prünster, I. (2004). A note on the problem of heaps. *Sankhyā*, **66**, 234-242.
56. Conti, P.L., Lijoi, A. and Ruggeri, F. (2004). Long-range dependence and performance in telecom networks. *Applied Stochastic Models in Business and Industry*, **20**, 305-321.
57. Regazzini, E., Lijoi, A. and Prünster, I. (2003). Means of normalized random measures with independent increments. *The Annals of Statistics*, **31**, 560-585.
58. Lijoi, A. (2003). Approximating priors by mixtures of conjugate distributions for an exponential family. *Journal of Statistical Planning and Inference*, **113**, 419-435.
59. Epifani, I., Lijoi, A. and Prünster, I. (2003). Exponential functionals and means of neutral-to-the-right priors. *Biometrika*, **90**, 791-808.
60. Bottolo, L., Consonni, G., Dellaportas, P. and Lijoi, A. (2003). Bayesian analysis of extremes by mixture modelling. *Extremes*, **6**, 25-47.
61. Epifani, I. and Lijoi, A. (2000). A finitely additive version of the Law of the Iterated Logarithm. *Theory of Probability and its Applications*, **44**, 633-649.
62. Epifani, I. and Lijoi, A. (1997). Some considerations on a version of the Law of the Iterated Logarithm due to F.P. Cantelli. *Rendiconti dell'Istituto Lombardo di Scienze e Lettere*, **131**, 89-116.

Publications in Monographs

63. Lijoi, A. and Prünster, I. (2010). Beyond the Dirichlet process. In *Bayesian Nonparametrics* (Hjort, N.L., Holmes, C.C., Müller, P. and Walker, S.G., Eds.). Cambridge University Press, Series in Probabilistic and Statistical Mathematics, pp. 80-136.

Publications in Conference Proceedings, Notes and Discussions

64. Catalano M., Lijoi A., Prünster I. (2020). Transport distances on random vectors of measures: recent advances in Bayesian nonparametrics. *Special Volume of the XV CLAPEM*, Birkhäuser, forthcoming.
65. Catalano M., Lijoi A., Prünster I. (2019). Bayesian model comparison based on Wasserstein distances. *Book of Short Papers of the Italian Statistical Society*.
66. Camerlenghi, F., Lijoi, A., Prünster, I. (2019). Bayesian nonparametric prediction with multi-sample data. *Springer Proceedings in Mathematics & Statistics*, Vol. 339, 113-121.
67. Camerlenghi, F., Lijoi, A., Prünster, I. (2018). Density estimation via hierarchies of nonparametric priors. In *JSM Proceedings*, Section on Bayesian Statistical Science, Alexandria, VA: American Statistical Association, 10pp.
68. Lijoi, A., Mena, R.H., Prünster, I. (2017). Discussion of "Sparse graphs using exchangeable random measures" by F. Caron and E. Fox. *Journal of the Royal Statistical Society-Series B*, **79**, 1353.
69. Camerlenghi, F., Lijoi, A. and Prünster, I. (2017). On some distributional properties of hierarchical processes. In *JSM Proceedings*, Section on Bayesian Statistical Science. Alexandria, VA: American Statistical Association, 853-860.
70. Lijoi, A., Ruggiero, M. and Spanò, D. (2016). On the transition function of some time-dependent Dirichlet and gamma processes. In *JSM Proceedings*, Section on Nonparametric Statistics, Alexandria, VA: American Statistical Association.
71. Lijoi, A., and Prünster, I. (2014). Discussion of "On simulation and properties of the stable law" by L. Devroye and L. James. *Statistical Methods and Applications* **23**, 371-377.
72. Arbel, J., Lijoi, A. and Nipoti, B. (2014). Bayesian survival model based on moment characterization. *BAYSM 2014 Proceedings*, Springer Proceedings in Mathematics and Statistics, to appear.
73. Lijoi, A., Nipoti, B. and Prünster, I. (2014). A Bayesian nonparametric model for combining data from different experiments. *Proceedings of the XLVII Meeting of the Italian Statistical Society*, Vol I, 10pp.
74. Lijoi, A., Prünster, I., Walker, S.G. (2014). A note on "Bayesian nonparametric estimators derived from conditional Gibbs structures". *The Annals of Applied Probability* **24**, 447-448.
75. De Blasi, P., Favaro, S., Lijoi, A. and Prünster, I. (2012). Two tales about Bayesian nonparametric modeling. In *JSM Proceedings*, Section on Bayesian Statistical Science, Alexandria, VA: American Statistical Association.
76. De Blasi, P., Lijoi, A. and Prünster, I. (2012). Large sample properties of Gibbs-type priors. In *Proceedings of the XLVI Meeting of the Italian Statistical Society*, vol. II.
77. De Blasi, P., Lijoi, A. and Prünster, I. (2011). On consistency of Gibbs-type priors. In *Proceedings of the 58th World Statistics Congress of ISI* (electronic).
78. Favaro, S., Lijoi, A., Mena, R. and Prünster, I. (2011). On some issues related to species sampling problems. In *Proceedings of the 7th Conference on Statistical Computing and Complex Systems* (electronic).
79. Lijoi, A. (2011). Dependent random probabilities for inference on partially exchangeable survival data. In *Proceedings of the 7th Conference on Statistical Computing and Complex Systems* (electronic).
80. Lijoi, A., Muliere, P., Prünster, I. and Taddei, F. (2010). Exchangeable random partitions for statistical and economic applications. In *Proceedings of the Conference on Economics and Uncertainty* (Trieste), 85-111.
81. Lijoi, A., Mena, R. and Prünster, I. (2006). Bayesian clustering in nonparametric hierarchical mixture models. *Proceedings of the LXIII conference of the Italian Statistical Society* (Torino, Italy, June 14-16, 2006), Vol. I, 449-460.
82. James, L.F., Lijoi, A. and Prünster, I. (2004). On a class of priors for Bayesian nonparametrics. *Proceedings of the LXII conference of the Italian Statistical Society* (Bari, June 9-11, 2004), 401-404.
83. Epifani, I., Lijoi, A. and Prünster, I. (2003). A note on the simulation of Lévy processes with a view towards applications. *Proceedings of S.Co. 2003 - Modelli Complessi e Metodi Computazionali Intensivi per la Stima*

e la Previsione, (Treviso, September 4-6, 2003), 188-193.

84. Lijoi, A. and Prünster, I. (2003). On a normalized random measure with independent increments relevant to Bayesian nonparametric inference. *Proceedings of the 13th European Young Statisticians Meeting*, (Ovornaz, Switzerland, September 21-26, 2003), Bernoulli Society, 123-134.
85. Epifani, I. and Lijoi, A. (2002). Means of nonparametric priors based on increasing additive processes. *Mini-proceedings: Second MaPhySto Conference on "Lévy processes: Theory and Applications"*, (Aarhus, Denmark, January 21-25, 2002), 103-107.