

IGOR PRÜNSTER

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CURRENT ACADEMIC POSITIONS

FEB 2016 – PRESENT *Professor of Statistics*, Bocconi University, Milano.
FEB 2016 – PRESENT *Director*, Bocconi Institute for Data Science and Analytics (BIDSA), Bocconi University, Milano.
FEB 2016 – PRESENT *Fellow*, IGIER Research Center, Bocconi University, Milano.
JAN 2010 – PRESENT *Research Affiliate, Statistics Initiative*, Fondazione “de Castro” and Collegio Carlo Alberto, Torino.

PAST ACADEMIC POSITIONS

OCT 2011 – JAN 2016 *Professor of Statistics*, University of Torino, Torino.
JAN 2010 – SEP 2017 *Scientific Director, Statistics Initiative*, Fondazione “de Castro” and Collegio Carlo Alberto, Torino.
JAN 2010 – SEP 2012 *Deputy Director for Education*, Collegio Carlo Alberto, Moncalieri.
SEP 2007 – JAN 2016 *Coordinator*, Allievi Honors Program, Collegio Carlo Alberto, Torino.
OCT 2007 – SEP 2011 *Associate Professor of Statistics*, University of Torino, Torino.
OCT 2005 – SEP 2007 *Assistant Professor of Statistics*, University of Torino, Torino.
NOV 2001 – SEP 2005 *Assistant Professor of Statistics*, University of Pavia, Pavia.

EDUCATION

1998 – 2003 Ph.D. in *Mathematical Statistics*, Department of Mathematics, University of Pavia.
Thesis: *Random probability measures derived from increasing additive processes and their application to Bayesian statistics*.
Supervisor: Eugenio Regazzini.
1993 – 1998 Degree in *Economics* with honors (110/110 cum laude) from *Bocconi University*, Milano.
Thesis: *Bayesian Nonparametric Inference: analysis of prior distributions*.
Supervisor: Eugenio Regazzini; Co-supervisor: Donato M. Cifarelli.

HONORS AND AWARDS

- *President* of the International Society for Bayesian Analysis (ISBA) (2021).
- *Fellow* of the American Statistical Association (ASA) (2019).
- *Fellow* of the International Society of Bayesian Analysis (ISBA) (2018).
- *Fellow* of the Institute of Mathematical Statistics (IMS) (2015).
- *Certificate of Appreciation* by International Society for Bayesian Analysis (ISBA) (2013).
- *European Research Council (ERC) Grant* (2012–2018).
- *Sheldon Eklund-Olson Visiting Research Fellow*, University of Texas at Austin, USA (A.Y. 2014/15)
- *Award for best Ph.D. thesis in Statistics*, Italian Statistical Society (2004).
- Finalist of the *L.J. Savage Award* for outstanding doctoral dissertations in Bayesian Econometrics and Statistics sponsored by ASA, ISBA and NBER-NSF (2004).
- *Laha Award*, Institute of Mathematical Statistics (2004).
- *Prize for Best Graduates 1998*, Bocconi University (1998).

EDITORIAL ACTIVITY

- Co-Editor: *Bayesian Analysis* (2014 – present).
- Associate Editor:
 - Current:
Annals of Statistics (2017 – present);
Econometrics and Statistics (2015 – present);
Operations Research – Machine Learning and Data Science Area (2018 – present).
 - Past:
Bayesian Analysis (2010–2013);
Computational Statistics & Data Analysis (2013–2018);
Electronic Journal of Statistics (2008–2012 & 2016 special issue on Bayesian Nonparametrics);
Sankhyā, The Indian Journal of Statistics (2012–2015),
Statistical Methods & Applications, Journal of the Italian Statistical Society (2014–2019).
- Reviewer:
 - Peer-reviewed Journals: *Annals of Applied Probability*; *Annals of Statistics*; *Annals of the Institute of Statistical Mathematics*; *Acta Applicanda Mathematicae*; *Applied Stochastic Models in Business and Industry*; *Bayesian Analysis*; *Bernoulli*; *Biometrics*; *Biometrika*; *BMC Bioinformatics*; *Computational Statistics & Data Analysis*; *Communications in Statistics – Theory and Methods & Simulation & Computation*; *IEEE Access*; *IEEE Transactions on Information Theory*; *IEEE Transactions on Pattern Analysis and Machine Intelligence*; *International Statistical Review*; *Journal of Business and Economic Statistics*; *Journal of Classification*; *Journal of Econometrics*; *Journal of Mathematical Sciences*, *Journal of Multivariate Analysis*; *Journal of Nonparametric Statistics*; *Journal of Statistical Planning and Inference*; *Journal of the American Statistical Association*; *Journal of the Royal Statistical Society- Series A & B & C*; *MathSciNet*; *Philosophical Transactions of the Royal Society A*; *Physica A*; *PLoS ONE*; *Psychometrika*; *Sankhya*; *Scandinavian Journal of Statistics*; *Stat*; *Statistical Science*; *Statistics*; *Statistics & Computing*; *Statistics & Probability Letters*; *Statistical Methods & Applications*; *The American Statistician*.
 - Machine Learning Conferences: *AISTATS*; *ICML*, *NeurIPS*.

PROFESSIONAL SERVICE

- International Society for Bayesian Analysis:
 - President, 2021; President-Elect 2020; Past-President 2022.
 - *Nonparametrics Section*: Chair 2019; Chair-Elect 2018, Past-Chair 2020.
 - *Prize Committee*: Member 2014–2016.
 - *Board of Directors*: Member 2012–2014.
 - *Program Council*: Chair 2011; Deputy Chair 2010, Past Chair 2012.
 - *Zellner Medal Committee* Member (2023-24).
 - *Nominating Committee and Finance Committee*: Chair (2022, ex-officio)
- *L.J. Savage Award* Committee Member (2010, 2013, 2014).
- *Blackwell-Rosenbluth* Committee Member (2023).
- Project evaluator:
European Research Council (ERC), EU; *European Science Foundation* (ESF), EU; *National Science Foundation* (NSF), USA; *Superior Council of the National Fund for Scientific and Technological Development* (Fondecyt), Chile; *Georgia National Science Foundation & Rustaveli Foundation*, Georgia; *Italian Ministry of University and Research* (MIUR), Italy; *Italian National Agency for the Evaluation of Universities and Research Institutes* (ANVUR), Italy; *Netherlands Organization for Scientific Research* (NWO), Netherlands; *Swiss National Science Foundation* (SNSF), Switzerland.

CONFERENCE PRESENTATIONS AND SEMINARS

KEYNOTE TALKS

- *2022 International Indian Statistical Association (IISA) Conference*, Bangalore, India (Dec 2022).
- *Japanese Joint Statistical Meeting*, Tokyo, Japan (Sep 2022)
- *24th International Conference on Computational Statistics (COMPSTAT 2022)*, Bologna, Italy (Aug 2022).
- *3rd Italian Meeting on Probability and Mathematical Statistics*, Bologna, Italy (Jun 2022).
- *45th Arkansas Spring Lecture Series in the Mathematical Sciences*, University of Arkansas, USA (Nov 2020); principal speaker, 5 lectures [virtual].
- *XLV Meeting of the Chilean Society of Statistics*, Puerto Varas, Chile (Oct 2019).
- *21st Bernoulli Society European Young Statisticians Meeting (EYSM)*, Belgrade, Serbia (Aug 2019).
- *4th Bayesian Young Statisticians Meeting (BAYSM)*, University of Warwick, UK (Jul 2018).
- *10th Conference on Bayesian Nonparametrics*, Raleigh, USA (Jun 2015).
- *12th World Meeting of the International Society of Bayesian Analysis*, Cancun, Mexico (Jul 2014).
- *42nd Annual Meeting of Dutch Statisticians and Probabilists – Stochastics Meeting Lunteren*, Lunteren, Netherlands (Nov 2013); 2 plenary lectures.
- *7th Conference on Statistical Computation and Complex Systems – Sco'11*, Padova (Sep 2011).

INVITED TALKS

- *International Conference on Recent Developments in Bayesian Statistics*, Varanasi, India (January 2025)
- *7th Latin American Congress on Bayesian Statistics (COBAL VII)*, Belo Horizonte, Brazil (December 2024)
- *Bernoulli-IMS 11th World Congress in Probability and Statistics*, Bochum, Germany (August 2024)
- *50 Years of Ferguson's 1973 Dirichlet Process Paper*, Los Angeles, USA (November 2023)
- *6th International Conference on Econometrics and Statistics*, Tokyo, Japan (August 2023).
- *Vietnam Institute for Advanced Study in Mathematics (VIASM) Summer School in Bayesian Statistics and Computation*, Ho Chi Minh City, Vietnam (July 2023).
- *International Symposium on Nonparametric Statistics (ISNPS 2020)*, Paphos, Cyprus (Jun 2022).
- *Workshop on Bayesian Nonparametrics*, Pohang, South Korea (May 2022).
- *BIRS-CMO Workshop on Foundations of Objective Bayesian Methodology*, Oaxaca, Mexico (Nov 2021).
- *15th World Meeting of the International Society of Bayesian Analysis*, virtual (Jun 2021); invited discussant for *de Finetti Lecture* by Jim Berger.
- *2019 International Indian Statistical Association (IISA) Conference*, Mumbai, India (Dec 2019)
- *4th ISBA-East Asia Chapter Conference*, Kobe, Japan (Jul 2019).
- *Statistics Conference in Honor of Aad van der Vaart 60th Birthday*, Leiden, Netherlands (Jun 2019).
- *Bayesian Statistics in the Big Data Era*, Luminy, France (Nov 2018).
- *Joint Statistical Meetings 2018*, Vancouver, Canada (Aug 2018).
- *International Conference on Probability Theory and Mathematical Statistics*, Tbilisi, Georgia (Jul 2018).
- *BNPSI 2018: Workshop on Bayesian Nonparametrics for Signal and Image Processing*, Bordeaux, France (Jul 2018).
- *4th International Society for Non-Parametric Statistics (ISNPS) Conference*, Salerno, Italy (Jun 2018).
- *EBEB XIV*, Institute of Pure and Applied Mathematics (IMPA), Rio de Janeiro, Brazil (Mar 2018).
- *2017 International Indian Statistical Association (IISA) Conference*, Hyderabad, India (Dec 2017).
- *Royal Statistical Society 2017 Annual Conference*, Glasgow, UK (Sep 2017).

- *61st World Congress of the International Statistical Institute*, Marrakech, Morocco (Jul 2017).
- *2nd International ISBA-East Asia Chapter Conference*, Changchung, China (Jul 2017).
- *Building Bridges Workshop*, Oslo, Norway (May 2017).
- *10th International Chinese Statistical Association Conference*, Shanghai, China (Dec 2016).
- *1st Eastern Asia Meeting on Bayesian Statistics*, Shanghai, China (Dec 2016); tutorial.
- *Joint Statistical Meetings 2016*, Chicago, USA (Aug 2016).
- *13th World Meeting of the International Society of Bayesian Analysis*, Pula, Italy (Jun 2016).
- *Advances in Bayesian nonparametric statistics*, Mexico City, Mexico (Nov 2014).
- *Non-parametric Bayesian Statistics Workshop*, Orléans, France (May 2014).
- *Workshop on Bayesian nonparametrics, modeling & computations*, Chamonix, France (Jan 2014).
- *BIRS Workshop on Random Measures and Measure-Valued Processes*, Banff International Research Station, Banff, Canada (Sep 2013).
- *Workshop on Bayesian Nonparametrics, Lorentz Center*, Leiden, Netherlands (Jun 2013).
- *Fête Parisienne in Computation, Inference and Optimization*, Institut des Hautes Études Scientifiques (IHES), Paris, France (Mar 2013).
- *ISBA Regional Meeting & International Workshop/Conference on Bayesian Theory and Applications (IWCBTAA)*, Varanasi, India (Jan 2013).
- *Bayesian Nonparametrics Workshop*, Providence, USA (Sep 2012).
- *Joint Statistical Meetings 2012*, San Diego, USA (Aug 2012).
- *4th ERCIM International Conference on Computing & Statistics*, London, UK (Dec 2011).
- *Neural Information Processing (NeurIPS) Workshops*, Granada, Spain (Dec 2011).
- *Bayesian Nonparametrics Research Programme*, Veracruz, Mexico (Jul 2011).
- *Computational and Financial Econometrics - CFE'10*, London, UK (Dec 2010).
- *Joint Statistical Meetings 2010*, Vancouver, Canada (Aug 2010).
- *27th European Meeting of Statisticians*, Toulouse, France (Jul 2009).
- *Workshop on Economics and Uncertainty*, Trieste, Italy (Oct 2009).
- *Workshop on Random Measures and Bayesian Nonparametrics*, Paris, France (Dec 2008).
- *9th World Meeting of the International Society of Bayesian Analysis*, Hamilton, Australia (Jul 2008).
- *Workshop on Limit Theorems and Applications*, Paris, France (Jan 2008).
- *12th Alpe Adria YSM*, Piran, Slovenia (Oct 2007).
- *Workshop on Construction and Properties of Bayesian Nonparametric Regression Models*, Isaac Newton Institute, Cambridge, UK (Aug 2007).
- *6th Workshop on Objective Bayesian Methodology*, Rome, Italy (Jun 2007); invited discussant.
- *IX Symposium on Probability and Stochastic Processes*, Guanajato, Mexico (Nov 2006).
- *5th Workshop on Bayesian Nonparametrics*, Jeju, South Korea (Jun 2006).
- *COBAL 2 - Congreso Bayesiano de America Latina*, S. José del Cabo, Mexico (Feb 2005).
- *Joint Statistical Meetings 2004*, Toronto, Canada (Aug 2004).
- *7th World Meeting of the International Society for Bayesian Analysis*, Vina, Chile (May 2004).
- *13th European Young Statisticians Meeting*, Ovronnaz, Switzerland (Sep 2003).
- *3rd Conference on Statistical Computation and Complex Systems – Sco'03*, Treviso, Italy (Sep 2003).
- *3rd Workshop on Bayesian Inference for Stochastic Processes*, La Manga, Spain (May 2003).
- *Bayesian Nonparametrics Summit*, Ann Arbor, USA (Aug 2001).

SEMINARS

Technical University Munich, Germany (Feb 2023); *University of Padova*, Italy (Jun 2018); *Trinity College Dublin*, Ireland (May 2017); *University of Cambridge*, UK (Mar 2017); *University of Bologna*, Italy (Jan 2016); *University of Michigan*, USA (Mar 2015); *Duke University*, USA (Mar 2015);

University of California Santa Cruz, USA (Mar 2015); University of Texas at Austin, USA (Mar 2015); Rice University, USA (Oct 2014); University of Navarra, Spain (Jan 2010); Politecnico di Torino, Italy (Jun 2009); University of Warwick, UK (Jan 2009, Apr 2007); Université Paris VI, Paris, France (Dec 2007); University of Oxford, UK (Apr 2007); Università di Roma “Tor Vergata”, Italy (Apr 2006); UNAM, Mexico City, Mexico (Feb 2005); University of Lancaster, Lancaster, UK (Dec 2004); Università “L. Bocconi”, Milan, Italy (Mar 2002); University of Bath, Bath, UK (Jun 2001).

CONFERENCE ORGANIZATION

SCIENTIFIC COMMITTEE LEADERSHIP

- Scientific Co-Organizer (with R.H. Mena and P. Müller) BIRS-CMI Workshop *Bayesian Uncertainty Quantification in Large Models*, Chennai, India (Dec 2025).
- Scientific Co-Organizer (with M. De Iorio and P. Müller) Institute for Mathematical Sciences-Nation University of Singapore (IMS-NUS) Thematic Program *Interpretable inference via principled BNP approaches in biomedical research and beyond*, Singapore (Jul 2024).
- Scientific Co-Organizer (with M. Catalano, P. Jacob, C. Robert, V. Rockova and D. Spanò) Centre International de Recontres Mathématiques (CIRM) Conference *Approximation Methods in Bayesian Analysis*, Luminy, France (Jun 2023).
- Co-Chair of the Scientific Committee, 2nd *International Conference on Econometrics and Statistics*, Hong Kong, China (Jun 2018).
- Scientific Co-Organizer (with R.H. Mena and P. Müller) BIRS-CMO Workshop *Bayesian Nonparametric Inference: Dependence Structures and their Applications*, Oaxaca, Mexico (Dec 2017).
- IMS Invited Program Co-Chair (with A. Lijoi), 78th *IMS Annual Meeting & Joint Statistical Meetings 2015*, Seattle, USA (Aug 2015).
- Chair of the Program Committee, 11th *World Meeting of the International Society of Bayesian Analysis (ISBA)*, Kyoto, Japan (Jun 2012).
- Chair of the Scientific Committee, 7th *Workshop on Bayesian Nonparametrics & Carlo Alberto Research Programme in Bayesian Nonparametrics*, Collegio Carlo Alberto, Moncalieri (Jun–Jul 2009).

SCIENTIFIC COMMITTEE AND ADVISORY BOARD MEMBERSHIP

- Advisory Board Member, *International Conference on Recent Developments in Bayesian Statistics*, Varanasi, India (January 2025).
- Scientific Committee Member, 2024 *International Symposium on Nonparametric Statistics*, Braga, Portugal (June 2024).
- Scientific Committee Member, *Autumn School in Bayesian Statistics*, CIRM Luminy, France (Nov 2023).
- Scientific Committee Member, *Workshop on Statistical Data Science*, Bologna, Italy (Aug 2022).
- Scientific Committee Member, 4th *International Conference on Econometrics and Statistics*, Hong Kong, China (Jun 2021) [virtual].
- Scientific Committee Member, 13th *International Conference of the ERCIM WG on Computational & Methodological Statistics (CMStatistics 2020)*, London, UK (Dec 2020).
- Scientific Committee Member, 12th *Conference on Bayesian Nonparametrics*, Oxford, UK (Jun 2019).
- Advisory Board Member, *Bayesian Nonparametrics Workshop, 32nd Neural Information Processing and Systems (NeurIPS 2018)*, Montreal, Canada (Dec 2018).
- Scientific Committee Member, 11th *International Conference of the ERCIM WG on Computational & Methodological Statistics (CMStatistics 2018)*, Pisa, Italy (Dec 2018).
- Scientific Committee Member, 13th *World Meeting of the International Society of Bayesian Analysis (ISBA)*, Edinburgh, UK (Jun 2018).

- Scientific Committee Member, 1st *International Conference on Econometrics and Statistics*, Hong Kong, China (Jun 2017).
- Scientific Committee Member, 22nd *International Conference on Computational Statistics (COMPSTAT 2016)*, Oviedo, Spain (Aug 2016).
- Scientific Committee Member, 6th *ERCIM International Conference on Computing & Statistics*, London, UK (Dec 2013).
- Scientific Committee Member, 9th *Conference on Bayesian Nonparametrics*, Amsterdam, Netherlands (Jun 2013).
- Scientific Committee Member, 5th *ERCIM International Conference on Computing & Statistics*, Oviedo, Spain (Dec 2012).
- Scientific Committee Member, 4th *ERCIM International Conference on Computing & Statistics*, London, UK (Dec 2011).
- Scientific Committee Member, 8th *Workshop on Bayesian Nonparametrics*, Veracruz, Mexico (Jun 2011).
- Scientific Committee Member, 3rd *ERCIM International Conference on Computing & Statistics*, London, UK (Dec 2010).
- Scientific Committee Member, 14th *European Young Statisticians Meeting*, Bernoulli Society, Debrecen, Hungary (Aug 2005).

SESSION ORGANIZATION

- Invited Session, 17th *World Meeting of the International Society of Bayesian Analysis*; Venice, Italy (Jul 2024).
- Invited Session, 16th *World Meeting of the International Society of Bayesian Analysis*; Montreal, Canada (Jun 2022).
- Invited Session, XV *CLAPEM Latin American Congress of Probability and Mathematical Statistics*, Merida, Mexico (Dec 2019).
- Invited Session, 2019 *IISA International Conference on Statistics*, Mumbai, India (Dec 2019).
- Invited Session, 62nd *World Statistics Congress of the International Statistical Institute*, Kuala Lumpur, Malaysia (Aug 2019).
- Contributed Session, 2nd *Italian Meeting on Probability and Mathematical Statistics*, Vietri, Italy (Jun 2019).
- Topic Contributed Session, *Joint Statistical Meetings 2018*, Vancouver, Canada (Aug 2018).
- Invited Session, 2017 *IISA International Conference on Statistics*, Hyderabad, India (Dec 2017).
- Invited Session, 1st *Italian Meeting on Probability and Mathematical Statistics*, Torino, Italy (Jun 2017).
- Special Topic Session, 13th *World Meeting of the International Society of Bayesian Analysis*, Pula, Italy (Jun 2016).
- Invited Session (with T. Broderick), 6th *Joint IMS-ISBA Meeting MCMSki V*, Lenzerheide, Switzerland (Jan 2016).
- Special Topic Invited Session, 12th *World Meeting of the International Society of Bayesian Analysis (ISBA)*, Cancun, Mexico (Jul 2014).
- ISBA Session (with V. Dukic), 36th *Conference on Stochastic Processes and their Applications*, Boulder, USA (Aug 2013).
- Invited Session, 29th *European Meeting of Statisticians*, Budapest, Hungary (Jul 2013).
- Invited Session, *ISBA Regional Meeting & International Workshop/Conference on Bayesian Theory and Applications (IWCBT)*, Varanasi, India (Jan 2013).
- Special Topic Session, 58th *World Statistics Congress of the International Statistical Institute*, Dublin, Ireland (Aug 2011).
- Invited Session (with A. Lijoi), *International Research Conference on Bayesian Learning*, Istanbul, Turkey (Jun 2011).

- Scientific Session, *Euro Science Open Forum 2010*, Torino (Jul 2010).
- *Tutorials' Day* organization (4 plenary lectures), Isaac Newton Institute Workshop *Construction and Properties of Bayesian Nonparametric Regression Models*, Cambridge, UK (Aug 2007).

LOCAL ORGANIZING COMMITTEES

- *10th Workshop on Bayesian Inference for Stochastic Processes*, Milano, Italy (Jun 2017).
- *13th World Meeting of the International Society of Bayesian Analysis (ISBA)*, Pula, Italy (Jun 2016).
- *Advances in Statistics, Probability and Mathematical Physics - a Conference in Honor of Eugenio Regazzini*, Pavia, Italy (Jun 2016).
- *Carlo Alberto Stochastics Workshop Series*, Collegio Carlo Alberto, Moncalieri (3 editions: Jun 2010, Mar 2012, Jan 2014).
- *7th Workshop on Bayesian Nonparametrics*, Collegio Carlo Alberto, Moncalieri (Jun 2009).
- *Carlo Alberto Research Programme in Bayesian Nonparametrics*, Collegio Carlo Alberto, Moncalieri (Jul 2009).
- *Stochastic Methods in Finance Conference*, Torino (Jul 2008).
- *2nd Joint IMS-ISBA Meeting* in Bormio, Italy (Jan 2005).

RESEARCH VISITS

- *Department of Mathematics*, University of Maryland, USA (Mar 2024)
- *Department of Statistics and Data Science*, University of Texas at Austin, USA (Mar 2023; Dec 2021; Feb 2017; Jul 2016; Mar 2016; Dec 2015; Sep 2014 – Aug 2015).
- *Mathematisches Forschungsinstitut Oberwolfach*, Oberwolfach, Germany (May 2021) [virtual].
- *Department of Statistics*, University of California Irvine, USA (Apr 2017).
- *Department of Statistics*, University of Michigan, USA (Apr 2016).
- *Statistical and Applied Mathematical Sciences Institute (SAMSI)*, Research Triangle Park, USA (June 2015); *Invited Visiting Fellow*.
- *Department of Mathematics*, University of Texas at Austin, USA (Sep 2013).
- *Department of Statistics*, Columbia University, USA (Sep 2013 & 2012).
- *Lorentz Center*, Leiden University, Netherlands (Jun 2013); *Invited Visiting Fellow*.
- *Institute of Computational and Experimental Research in Mathematics (ICERM)*, Brown University, USA (Sep–Oct 2012); *Invited Visiting Fellow*.
- *Institute of Research in Applied Mathematics and Systems*, UNAM, Mexico (Sep 2010, Nov 2006).
- *Centre for Research in Statistical Methodology*, Warwick University, UK (Jan 2009, Apr 2007).
- *Institute of Mathematics, Statistics and Actuarial Sciences*, University of Kent, UK (Jan 2009, Dec 2004).
- *Centre de Recherche Modal'X*, Université Paris Ouest Nanterre, France (Dec 2008).
- *Laboratoire de Statistique Théorique et Appliquée*, Université Paris VI, France (Dec 2007, Jun 2005).
- *Hong Kong University of Science and Technology*, Hong Kong (Nov 2007).
- *Isaac Newton Institute*, Cambridge, UK (Jul–Aug 2007); *Invited Visiting Fellow*.
- *Department of Statistics*, ITAM, Mexico (Feb 2005).
- *Department of Mathematics and Statistics*, University of Lancaster, UK (Dec 2004).
- *Department of Mathematical Sciences*, University of Bath, UK (Nov 2003 & 2002, May – Aug 2001).

FUNDING

RESEARCH PROJECTS

- National coordinator, European Union -Next Generation EU PRIN-PNRR Project 2023-2025: *Measuring Biodiversity via Bayesian Nonparametrics: Estimation, Clustering and Uncertainty Quantification*.
- Member of the Bocconi Unit, Research Project of National Interest (PRIN) 2023-2026: *Discrete random structures for learning and prediction*; National Coordinator: Antonio Lijoi.
- National coordinator, Research Project of National Interest (PRIN) 2017-2020: *Modern Bayesian Nonparametric Methods*.
- Principal Investigator of the *European Research Council (ERC) Starting Grant (Consolidators' Group)* 2012–2017 *New directions in Bayesian Nonparametrics*; team: Pierpaolo De Blasi, Stefano Favaro, Antonio Lijoi, Matteo Ruggiero.
- Principal Investigator Carlo Alberto Research Project 2010–2012 *New approaches to stochastic modeling in Economics via Bayesian Nonparametrics*.
- Principal Investigator of the Research Project 2009–2012 *Stochastic Methods for Policy* funded by the Piedmont Region.
- Coordinator of the Torino Unit, Research Project of National Interest (PRIN) 2009–2011: *Bayesian methods: theoretical developments and novel applications*; National Coordinator: Eugenio Regazzini.
- National coordinator, Research Project of National Interest (PRIN) 2006–2008: *Bayesian nonparametric methods for clustering, survival analysis and predicting the number of species*.
- Member of the Pavia Unit, Research Project of National Interest (PRIN) 2003–2005: *Bayesian networks and causal inference: methodology and applications*; National coordinator: Guido Consonni.
- Member of the Pavia Unit, Research Project of National Interest (PRIN) 2002–2004: *Bayesian nonparametric methods and their applications*; National coordinator: Eugenio Regazzini.
- Principal Investigator, Italian Ministry of University and Research - Young Researchers Project 2002: *Bayesian Nonparametrics: theory and applications*.
- Member of the Pavia Unit, Research Project of National Interest (PRIN) 2000–2002: *Stochastic processes, stochastic calculus and applications*; National coordinator: Maurizio Pratelli.

FUNDING FOR VISITING POSITIONS, POSTDOCS AND PHD SCHOLARSHIPS

- Carlo Alberto Visiting Fellowship for R.H. Mena (UNAM; 2011–2012).
- *ICER Fellowships* for visiting University of Torino: R.H. Mena (UNAM; 2007 & 2009), S.G. Walker (University of Kent, 2006).
- *Lagrange Fellowship* for visiting University of Torino: G. Peccati (University of Paris VI, 2007).
- Piedmont Region “Brain Drain Project”, 2 year Post-Doc Grant: P. De Blasi (2008).
- CRT Foundation-Alfieri Project, 1 year Post-Doc Grant: M. Ruggiero (2007).
- CRT Foundation-Alfieri Project, 2 year Post-Doc Grant: P. De Blasi (2006).
- ISI Foundation-Lagrange Project, 3 year Ph.D. scholarship Grant: K.E. Medina (2006).

INDIVIDUAL TRAVEL GRANTS

- *EMS travel grant, 25th European Meeting of Statisticians* (2005).
- *ASA travel grant, Joint Statistical Meetings* (2004).
- *WC2004 grant, 6th World Congress of the Bernoulli Society* (2004).
- *Travel grant, 7th World Meeting of the International Society for Bayesian Analysis* (2004).
- *Travel grant, 7th Valencia International Meeting on Bayesian Statistics* (2002).
- *Short term mobility grant* for visiting University of Bath, *Italian National Research Council* (2001).

SUPERVISION

POSTDOCTORAL FELLOWS (WITH CURRENT POSITION)

- *Junyi Zhang*, Post-doc, Bocconi University (co-supervisor A. Lijoi); start Jun 2024;
- *Giuseppe Mignemi*, Post-doc, Bocconi University (co-supervisor A. Lijoi); Feb 2024 – present;
- *Maria Fernanda Gil Leyva Villa*, Postdoc, Bocconi University; Mar 2021 – April 2022; Assistant Professor, IIMAS-UNAM, Mexico.
- *Giacomo Zanella*, Post-doc, Bocconi University; Oct 2016 – Sep 2019; Assistant Professor, Bocconi University, Italy.
- *Federico Camerlenghi*, Post-doc, Bocconi University; Jan 2016 – Dec 2016; Associate Professor, University of Milano Bicocca, Italy.
- *Julyan Arbel*, Post-doc, Collegio Carlo Alberto and Bocconi University; Oct 2013 – Sep 2016; Associate Researcher, INRIA Grenoble, France.
- *Bernardo Nipoti*, Post-doc, Collegio Carlo Alberto and University of Torino; Jul 2011 – Feb 2016; Associate Professor, University of Milano Bicocca, Italy.
- *Antonio Canale*, Post-doc, University of Torino; Jan 2012 – Sep 2012; Associate Professor, University of Padova, Italy.
- *Reza Solgi*, Post-doc, University of Torino; Feb 2013 – Feb 2014; Research Scientist, Amazon, USA.
- *Juan Carlos Martinez Ovando*, Post-doc, University of Torino; June 2010 – Jul 2011; Assistant Professor, ITAM, Mexico.
- *Pierpaolo De Blasi*, Post-doc, University of Torino; Oct 2006 – Dec 2009; Professor, University of Torino, Italy.
- *Matteo Ruggiero*, Post-doc, University of Torino; Feb 2007 – Jan 2008; Professor, University of Torino, Italy.

PHD STUDENTS (WITH CURRENT POSITION)

- *Claudio Del Sole*, Bocconi University (co-supervisor A. Lijoi); expected Jan 2025.
- *Filippo Ascolani*, Bocconi University (co-supervisor A. Lijoi); thesis: Hierarchical structures in Bayesian Statistics, Jan 2024; Assistant Professor, Duke University, USA.
- *Francesco Gaffi*, Bocconi University (co-supervisor A. Lijoi); thesis: Modelling with discrete random probability measures, Jan 2023; Postdoctoral Fellow, University of Maryland, USA.
- *Beatrice Franzolini*, Bocconi University (co-supervisor A. Lijoi); thesis: On Dependent Processes in Bayesian Nonparametrics: Theory, Methods and Applications, Feb 2022; Postdoctoral Fellow, Agency for Science, Technology and Research, Singapore.
- *Marta Catalano*, Bocconi University (co-supervisor A. Lijoi); thesis: *On Complex Dependence Structures in Bayesian Nonparametrics: a Distance-based Approach*, Feb 2021 [finalist of *L.J Savage Award* by ISBA & ASA]; Assistant Professor, LUISS University, Italy.
- *Augusto Fasano*, Bocconi University (co-supervisor D. Durante); thesis: *Advances in Bayesian Inference for Binary and Categorical Data*, Feb 2021 [finalist of *L.J Savage Award* by ISBA & ASA]; Assistant Professor, Catholic University Milano, Italy.
- *Giovanni Rebaudo*, Bocconi University (co-supervisor A. Lijoi); thesis: *Bayesian Inference for Complex Data Structures: Theoretical and Computational Advances*, Feb 2021; Assistant Professor, University of Torino, Italy.
- *Tommaso Rigon*, Bocconi University (co-supervisor A. Lijoi); thesis: *Finite-dimensional non parametric priors: theory and applications*, Jan 2020 [winner of *L.J Savage Award* by ISBA & ASA]; Assistant Professor, University of Milano Bicocca, Italy.
- *Federico Camerlenghi*, University of Pavia (co-supervisor A. Lijoi); thesis: *Hierarchical and Nested Random Probability Measures with Statistical Applications*, Dec 2015 [winner of *L.J Savage Award* by ISBA & ASA and award for best PhD thesis in Statistics by the Italian Statistical Society]; Associate Professor, University of Milano Bicocca, Italy.

- *Consuelo Nava*, University of Torino (co-supervisor R.H. Mena); thesis: *Some advances in Bayesian Modeling and Computation*, Feb 2014; Associate Professor, University of Valle d'Aosta, Italy.
- *Karla E. Medina*, University of Torino (co-supervisor R.H. Mena); thesis: *Computational methods for Bayesian nonparametric mixtures and their applications*, Mar 2011; Banorte Generali Group, Mexico.
- *Georgia Hadjicharalambous*, University of Torino; thesis: *Some contributions to distribution theory and mixture models*, Jan 2010.

SELECTED MSC STUDENTS (WITH FIRST PLACEMENT)

- *Alessandro Sinai*, Bocconi University, expected Jul 2024.
- *Nicola Bariletto*, Bocconi University, Jul 2022; PhD in Statistics, University of Texas at Austin, started Sep 2023 [winner of *Giorgio Mortara Scholarship* by the Bank of Italy].
- *Benedetta Bruni*, Bocconi University, Apr 2022; PhD in Statistics, Duke University, started Sep 2022.
- *Stefano Cortinovis*, Bocconi University, Jul 2022; PhD in Statistical Machine Learning, Oxford University, started Sep 2022.
- *Filippo Monti*, Bocconi University, Jul 2022; PhD in Biostatistics, University of California Los Angeles, started Sep 2022.
- *Renato Berlinghieri*, Bocconi University, Jul 2021; PhD in Electronic Engineering and Computer Science (EECS), MIT; started Sep 2021.
- *Beatrice Cantoni*, Bocconi University, Apr 2021; PhD in Statistics, University of Texas at Austin, started Sep 2021.
- *Ludovico Crippa*, Bocconi University, Apr 2020; PhD in Operations, Information and Technology, Stanford University, started Sep 2020.
- *Paolo Ceriani*, Bocconi University, Jul 2020 (co-supervisor G. Zanella); PhD in Statistics and Computer Science, Bocconi University, started Sep 2020.
- *Luca Masserano*, Bocconi University, Jul 2020 (co-supervisor A. Lijoi); PhD in Statistics, Carnegie Mellon University, started Sep 2020.
- *Alice Cima*, Bocconi University, Mar 2019; PhD in Statistics, University of California at Berkeley, started Sep 2019 [winner of *Giorgio Mortara Scholarship* by the Bank of Italy].
- *Woo Jung Kim*, Bocconi University, Jul 2019; PhD in Statistics, University of Warwick, started Sep 2019.
- *Giacomo Mantegazza*, Bocconi University, Jul 2018 (co-supervisor A. Lijoi); PhD in Operations, Information and Technology, Stanford University, started Sep 2018.
- *Vincenzo Loffredo*, Bocconi University, Jul 2018 (co-supervisor A. Lijoi); PhD in Statistics, University of Michigan, started Sep 2018.
- *Lorenzo Masoero*, University of Torino and Collegio Carlo Alberto, Jul 2016 (co-supervisor P. De Blasi); PhD in Electronic Engineering and Computer Science (EECS), MIT; 2021.
- *Cecilia Balocchi*, University of Torino and Collegio Carlo Alberto, Jul 2015 (co-supervisors C. Cattuto, A. Lijoi); PhD in Statistics, Wharton School - University of Pennsylvania, 2020.
- *Fabrizio Lecci*, University of Torino and Collegio Carlo Alberto, Jul 2011; PhD in Statistics, Carnegie Mellon University, 2015.
- *Silvia Montagna*, University of Torino and Collegio Carlo Alberto, Jul 2009; PhD in Statistics, Duke University, 2013.
- *Alessandro Arlotto*, University of Torino, Jul 2007 (co-supervisor M. Scarsini); PhD in Operations Research, Wharton, University of Pennsylvania, 2012.

SOCIETY MEMBERSHIPS

American Statistical Association, Bernoulli Society, Institute of Mathematical Statistics, International Society for Bayesian Analysis, Italian Statistical Society and Royal Statistical Society.

LOCAL ADMINISTRATIVE DUTIES

- Member of the Executive Committee, Department of Decision Sciences, Bocconi University (2016-current)
- Member of the Junior Hiring Committee, Department of Decision Sciences, Bocconi University (2016-current)
- Board Member, Ph.D. Program in Statistics, Bocconi University Milan (2013 – present).
- Member of the Executive Council and of the Research Committee, Department of Economics and Statistics, University of Torino (2012–2015).
- Board Member, Ph.D. Programs in Statistics & Applied Mathematics and in Economics, University of Torino (2006–2013).
- Research Committee Member, Faculty of Economics, University of Torino (2005–2011).

PUBLICATIONS

PAPERS IN PEER-REVIEWED JOURNALS

- [1] Catalano, M., Lavenant, H., Lijoi, A., Prünster, I. (2024). A Wasserstein index of dependence for random measures. *Journal of the American Statistical Association*, forthcoming.
- [2] Ascolani, F., Franzolini, B., Lijoi, A. and Prünster, I. (2024). Nonparametric priors with full-range borrowing of information. *Biometrika*, forthcoming.
- [3] Catalano, M., Del Sole, C., Lijoi, A., Prünster, I. (2024). A unified approach to hierarchical random measures. *D. Basu Centennial Volume, Sankhya-The Indian Journal of Statistics*, forthcoming.
- [4] Lijoi, A., Prünster, I. and Rigon, T. (2024). Finite-dimensional discrete random structures and Bayesian clustering. *Journal of the American Statistical Association*, forthcoming.
- [5] Catalano, M., Lijoi, A., Prünster, I. and Rigon, T. (2023). Bayesian modeling via discrete nonparametric priors. *Japanese Journal of Statistics and Data Science*, 6, 607-624.
- [6] Franzolini, B., Lijoi, A. and Prünster, I. (2023). Model Selection for Maternal Hypertensive Disorders with Symmetric Hierarchical Dirichlet Processes. *The Annals of Applied Statistics*, 17, 313-332.
- [7] Lijoi, A., Prünster, I. and Rebaudo G. (2023). Flexible clustering via hidden hierarchical Dirichlet priors. *Scandinavian Journal of Statistics*, 50, 213-234.
- [8] Canale, A., Lijoi, A., Nipoti, B. and Prünster, I. (2023). Inner spike and slab Bayesian nonparametric models. *Econometrics and Statistics*, 27, 120-135.
- [9] Catalano, M., De Blasi, P., Lijoi, A. and Prünster, I. (2022). Posterior asymptotics for Boosted Hierarchical Dirichlet Process Mixtures. *Journal of Machine Learning Research*, 23 (80), 1-23.
- [10] De Blasi, P., Mena, R.H. and Prünster, I. (2022). Asymptotic behavior of the number of distinct values in a sample from the geometric stick-breaking process. *Annals of the Institute of Statistical Mathematics*, 74, 143-165.
- [11] Catalano, M., Lijoi, A. and Prünster, I. (2021). Measuring dependence in the Wasserstein distance for Bayesian nonparametric models. *The Annals of Statistics*, 49, 2916-2947.
- [12] Arbel, J., Kon Kam King, G., Lijoi, A., Nieto-Barajas, L.E., and Prünster, I (2021). BNPdensity: Bayesian nonparametric mixture modelling in R. *Australian & New Zealand Journal of Statistics*, 63, 542-564.
- [13] Camerlenghi, F., Lijoi, A. and Prünster, I. (2021). Survival analysis via hierarchically dependent mixture hazards. *The Annals of Statistics*, 49, 863-884.
- [14] Lijoi, A., Prünster, I. and Rigon, T. (2020). The Pitman-Yor multinomial process for mixture modeling. *Biometrika*, 107, 891-906.

- [15] Catalano, M., Lijoi, A. and Prünster, I. (2020). Approximation of Bayesian model for time-to-event data. *Electronic Journal of Statistics*, 14, 3366-3385.
- [16] Lijoi, A., Prünster, I. and Rigon, T. (2020). Sampling hierarchies of discrete random structures. *Statistics and Computing*, 30, 1591-1607.
- [17] De Blasi, P., Martinez, A.E., Mena, R.H. and Prünster, I. (2020). On the inferential implications of decreasing weight structures in mixture models. *Computational Statistics & Data Analysis*, 147, 106940.
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- [19] Camerlenghi, F., Dunson, D.B., Lijoi, A., Prünster, I. and Rodriguez, A. (2019). Latent nested nonparametric priors (with discussion). *Bayesian Analysis*, 15, 1303-1356
- [20] Camerlenghi, F., Lijoi, A., Orbanz, P. and Prünster, I. (2019). Distribution theory for hierarchical processes. *The Annals of Statistics*, 47, 67-92.
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- [72] Epifani, I., Lijoi, A. and Prünster, I. (2003). Exponential functionals and means of neutral-to-the-right priors. *Biometrika*, 90, 791-808.
- [73] Regazzini, E., Lijoi, A. and Prünster, I. (2003). Distributional Results for Means of Normalized Random Measures with Independent Increments. *The Annals of Statistics*, 31, 560-585.

PAPERS IN MONOGRAPHS

- [74] Lijoi, A. and Prünster, I. (2010). Models beyond the Dirichlet process. In *Bayesian Nonparametrics* (Hjort, N.L., Holmes, C.C., Müller, P., Walker, S.G. Eds.), Cambridge University Press, 80-136.

PAPERS IN CONFERENCE PROCEEDINGS, NOTES AND DISCUSSIONS

- [75] Ascolani, F., Lijoi, A. and Prünster, I. (2024). Discussion of "Route and community inference on the latent growth process of a network" by Crane and Xu. *Journal of the Royal Statistical Society-Series B*, forthcoming.
- [76] Ascolani, F., Lijoi, A. and Prünster, I. (2023). Discussion of "Martingale Posterior Distributions" by Fong, Holmes and Walker. *Journal of the Royal Statistical Society-Series B*, 85, 1404-1405.
- [77] Ascolani, F., Catalano, M., and Prünster, I. (2023). Invited discussion of "Evaluating Sensitivity to the Stick-Breaking Prior in Bayesian Nonparametrics". *Bayesian Analysis*, 18, 340-344.
- [78] Gaffi, F., Lijoi, A. and Prünster, I. (2022). Specification of the base measure of nonparametric priors via random means. *Springer Proceedings in Mathematics and Statistics*, Vol. 405, 91-100.
- [79] Catalano, M., Lavenant, H., Lijoi, A. and Prünster, I. (2022). Wasserstein distance and applications to Bayesian Nonparametrics. *Proceedings of the 51st Meeting of the Italian Statistical Society*, 1491-1496.
- [80] Catalano, M., Lijoi, A. and Prünster, I. (2021). Transport Distances on Random Vectors of Measures: Recent Advances in Bayesian Nonparametrics. In *Advances in Probability and Mathematical Statistics*, Springer, 59-70.
- [81] Ascolani, F., Franzolini, B., Lijoi, A. and Prünster, I. (2021). On the dependence structure in Bayesian nonparametric priors. *Proceedings of the 50th Meeting of the Italian Statistical Society*, 1219-1225.
- [82] Ascolani, F., Lijoi, A., Pruenster, I. and Ruggiero, M. (2021). A framework for filtering in hidden Markov models with normalized random measures. *Proceedings of the 50th Meeting of the Italian Statistical Society*, 733-738.
- [83] Camerlenghi, F., Lijoi, A. and Prünster, I. (2019). Bayesian nonparametric prediction with multi-sample data. *Springer Proceedings in Mathematics and Statistics*, Vol. 339, 113-121.

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