Bernoulli News

Newsletter of the Bernoulli Society for Mathematical Statistics and Probability

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CONTENTS

Follow
Official Page

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A VIEW FROM THE PRESIDENT

Dear Members of the Bernoulli Society,

On July 14, at the annual meeting on Stochastic Processes and their Applications in Wrocław, Poland, I took over the responsibility of looking after the "Bernoulli Book" from our Past-President, Victor Panaretos. This book was given to the Bernoulli Society by the Bernoulli family, and the frontispiece holds the signatures of some of the giants in our field – Barndorff-Nielsen, Cox, Kendall, and many living giants – and in more recent years several exceptional women scholars.

The SPA meeting was very impressive in both content and organization. Each day of the week began with a named lecture and two plenaries, which together formed a fascinating overview of current research in probability, stochastic modelling, and applications. Krzysztof Burdzy gave a beautiful public lecture, and the conference dinner was held ing the stunning Hala Stulecia. This was my very first SPA meeting, and most of the talks were on topics I knew little about. That I learned a lot and made many new friends emphasized for me the diversity and breadth of the Bernoulli Society and its committees. Krysztof Bogdan and Krysztof Dębicki did a superb job as chairs of the local organizing committee.

... Continued on p. 1

Deadline for the next issue: **31 March, 2026**
Send contributions to: *bojana.milosevic@matf.bg.ac.rs*

A View from the President (continued from front cover)

A word on the structure of the Society might be useful – although I've been a member throughout my professional life, I confess I have not paid very much attention to how it is organized. Officially the Society is an association of the International Statistical Institute, one of seven. Five of these are focussed on what we might call applied statistics, in government, business and industry, environment, and statistical computing, and one is centered on statistical education. The ISI Permanent Office in The Hague is responsible for the financial management, membership, and legal aspects of each of the associations, and the associations use a portion of their income to contribute to the cost of these services.

The membership structure of each association is similar: you can become a member (regular or elected) of the ISI and choose BS as your association or simply join the BS: about half our members are in each of these two categories. Different from the other associations, the BS also has an arrangement with the Institute of Mathematical Statistics, so one may choose to join BS+IMS, and ISI/BS+ IMS. Have pity on your membership secretary, a role ably managed by Sebastian Engelke at the University of Geneva until the end of 2025, and to be filled by Po-Ling Loh at the University of Cambridge from 2026-2029.

Within this structure we have our own statutes, executive committee, treasurer and budget, council, and most importantly of course our scientific activities: conferences and publications. Each year we hold a General Assembly, a meeting of all the members, in odd years normally as part of the World Statistics Congress. This year in a rare exception we held our GA at the SPA meeting in July, as it better matched our annual timetable. We have a number of standing committees, which run relatively independently from the Executive and Council. These are divided into administrative (publications, publicity), regional (European Regional Committee, Latin American Regional Committee, East Asian and Pacific Regional Committee, Young Researchers' Committee, and subject-area (network science, …). If this all sounds rather complicated, it is, but it could hardly be otherwise, given the international ambitions of the BS and the breadth of scholarship among its members, from pure mathematics through probability, stochastic processes, statistical theory and methods, and their intersections with other fields of science.

Elsewhere in this issue you can examine the budget, which is on the order of $100.000, much too little to reflect the real cost of our many activities. We could not manage without the volunteer efforts of a great many people – officers of the society, members of council, journal editors, chairs and members of committees, and so on. If you are asked to contribute your time to the BS, please say yes, and if you have particular interests in one or more of our many activities, please let me know (president@bernoullisociety.org) — we always need volunteers, and many hands make light work.

The World Statistics Congress in The Hague concluded a day ago, as I write this, and while it could hardly have been more different from the SPA meeting, it also stretched my brain in interesting and unfamiliar directions. Po-Ling Loh gave the Ethel Newbold Prize Lecture – a lovely talk linking optimization and differential privacy. Our three New Researchers Award winners presented research on E-values and multiple testing, antithetic sampling, and synthetic controls. Bhaswar Bhattacharya gave the Bernoulli Journal Invited Lecture on maximum likelihood estimation for interacting particle systems, blending the work in his award-winning BEJ paper with more recent advances. Richard Gill gave President Victor Panaretos' Invited Lecture, an impassioned and inspiring overview of his important work on legal case of Lucia de Berk in the Netherlands and his observations on the ongoing case of Lucy Letby in the UK, emphasizing the similarities between the two—particularly distressing in light of his tireless efforts with the team that eventually had the de Berk verdict overturned. There were also several excellent invited and contributed paper sessions on mathematical statistics and probability, and thanks are due to Almut Veraat from Imperial College, who was the BS representative on the Scientific Program Committee.

The WSC is quite unique among conferences in statistical science, and I find it inspiring to see how mathematical and statistical science plays a role in nearly every aspect of human endeavour. I have worked in theoretical statistics for my whole career, and would find it impossible to even think about how to merge administrative records with survey data and turn that into policy recommendations for a department of agriculture, but it heartens me to think that the path from one end to the other is not that long nor winding.

The ISI has a structural deficit, and new sources of revenue are needed for the continued operation of the permanent office. One potential solution is that the associations increase their share of the administrative costs. The Executive Committee is poring over the numbers and discussing how we might approach this. At the heart of this discussion, for the Bernoulli Society, is the question of how we view our affiliation with the International Statistical Institute. Is it an administrative relationship only, in which the salient question is the value of the service relative to its cost? Is it an intel-

lectual relationship – do we value the geographic and intellectual breadth of the ISI membership for its own sake? Do we value it enough to increase our contribution to the financial bottom line of the ISI? I expect members have widely differing views on these questions, and it will fall to the current EC and Council to seek out these views, discuss our options, and make recommendations for our future.

Other items on my to-do list include continuing the effort, started by Victor, to develop ties with researchers in Africa; re-visiting the remit for the Officers, now that we have a few years of experience with our permanent secretariat, ably staffed by Kamila Siuda; and attending as many of our inspiring meetings as I can. Upcoming meetings include the XVII CLAPEM in Montevideo, the 45th SPA in Ithaca, and the 35th European Meeting of Statisticians in Lugano. And, of course, in 2027 the 66th World Statistics Congress in Lusaka, Zambia.

As always, I encourage you to become involved in the Bernoulli Society in any way that captures your interest and ask you to encourage your colleague and collaborators to join us!

Nency Reid
President of the Bernoulli Society
Toronto, Canada

News from the Bernoulli Society

Call for Nominations: President-Elect and Council Members

At the General Assembly of the Bernoulli Society, held on July 14th, 2025, a Nominating Committee was established. It consists of:

Maria-Eulalia Vares, Nancy Reid, Mark Podolskij, Corina Constantinescu, Panki Kim, Matthias Faes, Gesine Reinert, Małgorzata Bogdan, Ajay Jasra, Inés Armendáriz, Jeff Yao (non-voting).

The task of the Committee is to make nominations for the office of President-Elect (2027–2029) and six ordinary Council members (2027–2031).

All members of the Bernoulli Society are invited to submit names of possible candidates (with basic information and the web address) to Ms. Kamila Siuda at secretariat@bernoullisociety.org by December 15th, 2025.

European Meeting of Statisticians 2027 and Call for Host Proposals

We are pleased to announce that the European Regional Committee has approved the candidacy to host EMS 2027 in Warwick, and that the Executive Committee has accepted the application.

We invite those interested in hosting EMS 2029 to submit proposals. For detailed guidance on requirements, please contact secretariat@bernoullisociety.org. Finalized proposals are due by January 31, 2026.

Alessia Caponera
e-Briefs

Membership fees in 2026

The Bernoulli Society is an association within the International Statistical Institute, which provides a range of services for our Society, including, but not limited to, membership administration, financial services, and legal advice. In return, we pay a fixed amount each year to the ISI for each Bernoulli Society member who is not also an ISI member. After having remained constant for many years, this contribution has now increased because of growing staff costs in the Netherlands, where ISI's Permanent Office is located. The Executive Committee felt that we have no choice but to follow suit and increase the membership fees for Bernoulli Society members that are not also ISI members. The increase will be pro-rated for membership categories with a reduced fee; the Bernoulli Society will absorb the difference.

Treasurer Johan Segers

Relocation of the ISI World Statistics Congress

Following consultations with the ISI Association Presidents and their representatives, the ISI Executive Committee has decided to relocate the Congress to Lusaka, Zambia. Given existing preparations for WSC 2029, ZamStats has agreed to host WSC 2027 instead, confirming the availability of the venue for the previously announced dates. Further updates will be available on the conference website: https://www.isi-next.org/conferences/isi-wsc2027/

Awards and Prizes

New Researcher Award

The Bernoulli Society New Researcher Award (NRA) recognizes the work of outstanding young researchers in the fields of Mathematical Statistics and Probability. The winners of NRA 2026 are: The winners are:

Morris Ang, an Assistant Professor at UC San Diego. Morris Ang received his Ph.D. from MIT in 2022. He then spent two years at Columbia University as a Junior Fellow of the Simons Society of Fellows before joining the faculty at UC San Diego in 2024. Ang's research interests are in Probability Theory, especially random conformal geometry: Schramm-Loewner evolution, Liouville quantum gravity, random planar maps, and conformal field theories.

Serte Donderwinkel, an Assistant Professor at the University of Groningen. She is also affiliated with the interdisciplinary centre CogniGron of mathematicians, statisticians, computer scientists and material engineers that aim to improve learning-based cognitive computing with materials-centred systems.

Before moving to Groningen, she was a postdoctoral researcher at McGill University in the research group of Prof. Louigi Addario-Berry, where she was funded by a CRM-ISM Postdoctoral Fellowship. She completed her PhD at the University of Oxford under the supervision of Prof. Christina Goldschmidt, where she was also a Stipendiary Lecturer at St. Hugh's College. Her PhD thesis won the Royal Statistics Society's prize for UK's best applied probability PhD thesis of 2022 and 2023. Her research interests are random trees and random graphs, and probabilistic combinatorics.

Mark Sellke, an Assistant Professor at Harvard University. Before moving to Harvard, he was a Postdoctoral Scientist at Amazon, and a member at the Institute for Advanced Study. He completed his PhD at Stanford University under the supervision of Andrea Montanari and Sébastien Bubeck.

His research is at the interface of probability, mathematical physics, theoretical computer science, and statistics.

Honorable mentions are:

Ahmed Bou-Rabee is currently at the University of Pennsylvania and will begin his appointment as an Assistant Professor in July 2026. Prior to joining UPenn, he was an NSF Postdoctoral Fellow and Courant Instructor at the Courant Institute, working with Scott Armstrong. He spent the first year of his NSF postdoctoral fellowship at Cornell University, collaborating with Lionel Levine. He received his PhD from the University of Chicago in June 2022, under the supervision of Charles K. Smart, and previously completed his undergraduate studies at Stanford University. His research interests lie in probability theory, with a particular focus on applying ideas from elliptic partial differential equations to problems in statistical physics. He is also interested in homogenization, which describes the large-scale behavior of random and periodic systems, as well as fluctuation-driven phenomena that emerge at small scales. Topics he has worked on include diffusions in random environments, Liouville quantum gravity, discrete unique continuation, and the Abelian sandpile model.

Sky Cao, an NSF postdoctoral fellow and C.L.E. Moore Instructor at MIT. Previously, he was member in the School of Mathematics at the Institute for Advanced Study. He received his PhD from Stanford University, advised by Sourav Chatterjee. He is interested in probability and analysis – in particular, Yang–Mills, singular SPDE, and random surfaces.

Alexander J. Dunlap is an Assistant Professor in the Department of Mathematics at Duke University. He received his PhD from Stanford University in 2020 under the supervision of Lenya Ryzhik. From 2020 to 2023, he was an NSF postdoc at NYU Courant, sponsored by Jean-Christophe Mourrat and Yuri Bakhtin. His research focuses on stochastic partial differential equations, particularly in critical and super-critical regimes, Ergodic theory of the stochastic Burgers equation, and the Liouville quantum gravity metric.

We congratulate all award winners and honorable mention recipients and wish them every success in their future careers. An interview with the winners can be found on page 7.

David G. Kendall Award for Young Researchers

In 2020 the Bernoulli Society (BS) and the Royal Statistical Society (RSS) established a joint biennial award aimed at young researchers. This biennial joint BS and RSS Award aims to recognize excellent research in Mathematical Statistics and in Probability Theory. The Award is in honor of David G. Kendall, who was the first president of the Bernoulli Society, and was awarded the Guy Medal in Silver (1955) and in Gold (1981) of the RSS.

The jury for the 2025 David G. Kendall Award is composed of Jere Koskela (Chair), Minmin Wang (appointed by the Royal Statistical Society) and Sourav Chatterjee and Xue-Mei Li (appointed by the Bernoulli Society). The award winner is Wei Qian (University of Hong Kong). The honorable mentions are Samuel Johnston (King's College London) and Emma Horton (University of Warwick).

Wei Qian is an Associate Professor in the Department of Mathematics at the University of Hong Kong. Her research lies in probability theory, with a particular focus on random geometry, planar stochastic processes, and mathematical physics. She received her PhD from ETH Zurich under the supervision of Wendelin Werner. Prior to joining HKU, she held research and academic positions as a Chargé de recherche at CNRS (Université Paris-Saclay), a Junior Research Fellow at the University of Cambridge, and an Assistant Professor at City University of Hong Kong.

Samuel Johnston is a Lecturer (Assistant Professor) at King's College London. He completed his PhD in Probability at the University of Bath in 2017, after obtaining an MMath degree from the University of Oxford in 2014, and previously held postdoctoral positions in Bath, Graz, and Dublin. He is a research mathematician with broad interests in probability theory and its interfaces, including statistical physics, random matrix theory, free probability, stochastic processes, convex geometry, combinatorics, optimal transport, and probabilistic and combinatorial approaches to problems to the Jacobian conjecture.

Emma is an Assistant Professor in the Department of Statistics at the University of Warwick. After obtaining her MMath at the University of Bath in 2016, Emma completed a PhD in Probability Theory (also at Bath) on the stochastic analysis of neutron transport, working alongside industrial partner Jacobs. She then spent one year as a postdoc at the Université de Lorraine in Nancy, France before moving to Bordeaux in 2020 as chargée de recherche with the Inria project team ASTRAL. Before moving to Warwick, Emma was a Research Fellow at the University of Melbourne. Emma's research interests include branching processes, stochastic representations of integro-differential equations, interacting particle systems, stability analysis of semigroups and particle filters. She has a particular interest in applying the aforementioned research areas to industrial problems, having worked on problems arising in radiation transport, cell division, endangered species and multi-object target tracking.

Excerpt from the report on the winner and awards:

> The jury thought that Wei Qian's contributions were of exceptional depth, while also covering a broad range of topics in core areas of modern probability in Brownian loop soups, the Gaussian free field, Liouville quantum gravity, and percolation theory. The two honorable mentions below also had very strong applications, but the jury's unanimous view was that research depth was the most appropriate deciding factor.
>
> Samuel Johnston has made substantial contributions to an impressive number of distinct areas of probability in branching and coalescing particle systems, integrable probability, and free probability.
>
> Emma Horton's contributions are a rare synthesis of fundamental work in branching stochastic processes with clear and high-impact applications in both nuclear engineering and biology.

Bernoulli Prize for an Outstanding Survey Article in Statistics – Call for Nominations

The Bernoulli Prize for an Outstanding Survey Article is to recognize author(s) of an influential survey publication in the areas of probability and statistics, respectively. The article should be timely in addressing areas of active or emerging importance, but have been in circulation long enough for there to be evidence of its impact. It must appear in a peer-reviewed journal or book, in either print or electronic format.

Nominations for the 2026 Bernoulli Prize for an Outstanding Survey Article in Statistics are now open. Nomination materials should be emailed to secretariat@bernoullisociety.org by July 15, 2026. For more details, please visit the prize webpage https://www.bernoullisociety.org/prizes?id=156

Wolfgang Doeblin Prize – Call for Nominations

The Bernoulli Society welcomes nominations for the 2026 Wolfgang Doeblin Prize. The Wolfgang Doeblin Prize, which was founded in 2011 and is generously sponsored by Springer, is awarded biannually to a single individual who is in the beginning of his or her mathematical career, for outstanding research in the field of probability theory. Nominees should normally be within 10 (calendar) years from getting their PhD to the prize year with suitable adjustments to be made for career breaks post-PhD (for example, maternity/paternity leave or military service).

Nominations should be communicated to the Award Committee by sending an email to secretariat@bernoullisociety.org with subject heading: Doeblin Prize 2026. Each nomination should be sent by January 31, 2026. For more details, please visit the prize webpage https://www.bernoullisociety.org/prizes?id=158.

Rousseeuw Prize for Statistics – Call for Nominations

Nominations are now open for the 2026 Rousseeuw Prize for Statistics, awarded by the King Baudouin Foundation, Belgium. The prize is named after its sponsor, the statistician Peter J. Rousseeuw. Nominations, including letters of recommendation, are to be submitted by February 28, 2026, on the website https://www.rousseeuwprize.org/ which contains all information about the prize and nomination procedure.

New Executive Members in the Bernoulli Society

The new President Elect of Bernoulli Society

Short bio: Maria-Eulália Vares has made significant contributions to probability theory and stochastic processes, developing fundamental results that connect rigorous theoretical foundations with modern applications. She holds a PhD in Statistics from the University of California, Berkeley (USA) and completed her master's degree at IMPA, where she was also a researcher from 1981 to 2002, before continuing her research career at the Brazilian Center for Research in Physics (CBPF). She is currently a Full Professor at the Federal University of Rio de Janeiro (UFRJ). Her academic career combines outstanding research achievements with a long-standing commitment to teaching, mentorship, and professional service in mathematics. She served as Editor-in-Chief of Stochastic Processes and their Applications (2006–2009) and Editor-in-Chief of The Annals of Probability (2015–2017). She is a Fellow of the Institute of Mathematical Statistics, and an elected member of the International Statistical Institute. In 2020, she has been awarded the inaugural Willem van Zwet Medal for Special Service to the Bernoulli Society. The interview with Maria-Eulália can be read in Bernoulli News (vol. 29, 1, 2022).

A Conversation with the winners of New Researcher Award

In this interview, the recipients of the Bernoulli Society New Researcher Award Morris Ang, Serte Donderwinkel, and Mark Sellke, share what the award means to them, what drew them to their research areas, and the results they are most proud of. They also reflect on open problems, future directions, and offer advice to early-career researchers.
Moderated by Editor

B.M. What does this award mean to you?

M.A. This award means a lot to me. Much of my research has involved long, technically demanding projects, and it is gratifying to see that what my coauthors and I have deeply enjoyed working on has resonated with the broader probability community. Receiving this recognition early in my career is encouraging, and it gives me confidence to continue tackling problems that take time to unfold.

S.D. It is a huge honour! As a researcher you of course mostly work within your own specialism and hang out with a small group of international scholars with the same interests, so it really means a lot to see my contributions recognized by the broader probability and statistics community. Moreover, like many of my colleagues, I often struggle with imposter syndrome so hopefully this prize can sometimes function as an antidote to that. Overall, it was a real pinch-me moment when I heard that I had won!

M.S. It's deeply meaningful to have my work recognized by the probability and statistics community. I'm grateful to the many people who shaped my path - family, mentors, collaborators, colleagues, and friends - and I see the award as an encouragement to do work that is insightful and useful.

B.M. What originally drew you to this topic?

M.A. I was originally drawn to two-dimensional probability through Jason Miller's beautiful simulations of a random fractal curve called Schramm–Loewner Evolution that arises as the scaling limit of interfaces in critical lattice models such as percolation and the Ising model. The theory was beyond my abilities as an undergraduate student, but the desire to understand these objects led me to pursue my doctoral work with Scott Sheffield. More broadly, the field of conformal probability sits at the intersection of several exciting areas, including statistical physics, random planar maps, complex analysis, and conformal field theory. The interplay between these different subjects is what really drew me in and continues to motivate my work.

S.D. Somehow I keep drifting back to random graphs... Even as a high school student, when I didn't even know that I was going to study mathematics, I did a one-year long project on 'optimal routing for a money transport', which involved both randomness and graph theory! And then later for my bachelor project, I approached my favourite lecturer, who suggested a project on, indeed, random graphs. I think these first encounters with my field were a bit random, but I think that the thing that kept me coming back is the combination of fun discrete puzzles and delicate analysis. It is very satisfying when you find the exact right sampling procedure that gives you perfect control of the properties you want to keep track of, and has as little 'noise' as possible.

M.S. Before starting my PhD, I discovered the book Information, Physics and Computation by Mézard and Montanari, and it captured my fascination. I was drawn in by the elegance and mysteries of spin glass theory and by how coherently it connects probability with statistical physics, statistics, and computer science.

B.M. Which of your results so far are you most proud of?

M.A. Consider critical percolation on a very fine planar lattice. If you fix several points in the plane and ask for the probability that they all lie in the same connected cluster, this probability goes to zero as the lattice spacing shrinks. However, by comparing the three-point probability to the corresponding two-point probabilities in a natural way, one obtains a quantity that has a nontrivial limit. This limit is expected to be universal, meaning it does not depend on the underlying lattice. Conformal field theory predicts an exact formula for this quantity, which evaluates to approximately 1.022. We proved this rigorously for the triangular lattice, showing that the predictive power of conformal field theory extends beyond critical exponents to nontrivial numerical constants.

S.D. Together with my coauthors, we recast a decades old, yet slightly forgotten bijection between trees and sequences into a sampling method for random trees. With this tool, we have been able to solve some problems from the academic literature, but it is especially pleasing to see the method used by others. I now also teach it to students, and two of my master students, Jeroen van Haastert and Peteris Silins, just wrote two very nice theses where they prove some new results with it. It makes me very proud to see my work live on like that and to be able to use it in my teaching!

M.S. One contribution I'm especially proud of is introducing and developing the branching overlap gap property. In collaborations with Brice Huang as well as Ahmed El Alaoui, Andrea Montanari and Nike Sun, we built a framework that clarifies what the best possible stable algorithms can achieve when optimizing mean-

field spin glass Hamiltonians, a natural family of high-dimensional, non-convex random optimization problems. I also have a special fondness for our work on the Polaron (with Bazaes, Mukherjee, and Varadhan), where we developed new techniques to prove confinement for self-attracting Brownian path measures.

B.M. Is there a problem you wish you had more time to work on but haven't yet?

M.A. Most of my work so far has focused on continuum objects such as Schramm–Loewner Evolution and Liouville quantum gravity, and my results on discrete models are usually via existing scaling limit results. One direction I would very much like to pursue is working more directly with discrete models themselves, including proving new scaling limit theorems. I think there are many open questions where a deeper understanding at the discrete level could shed new light on continuum phenomena.

S.D. One thing that slightly bugs me is how ad-hoc the methods for obtaining scaling limits of random graphs are. Even though these results are often universality results that show that the limiting properties do not depend sensitively on the details of the model you start with, the methods, on the contrary, are delicate and quite sensitive to the fine properties of these prelimits. A goal of mine is to develop a more robust method that also allows you to start with 'messy' random graphs. I already have some ideas but I haven't found the time yet to properly get started on this.

M.S. I wish I could have more time at some point to work on questions about card shuffling. The Bayer–Diaconis "seven shuffles suffice" result shows that about $(3/2)\log_2 N$ riffle shuffles are necessary and sufficient to randomize a deck of N cards, under a precise mathematical model of shuffling. Their work required the number of cards cut from the top of the deck to be $Binomial(N, 1/2)$ at each step. We (with Jialu Shi and Jiamin Wang) recently generalized the result to arbitrary cut distributions. Now suppose the riffling is clumpy, meaning the next card is more likely to come from the same pile as the previous card. Here we know much less, the best upper bound is $\log(N)$ to the fourth power, due to Jonasson and Morris from 10 years ago. I find it fascinating that such a seemingly small change to the model makes everything so much more challenging.

B.M. What advice would you give to other early-career scholars entering the field?

M.A. I would encourage early-career researchers to be patient, both with their problems and with themselves. Good ideas often take time to develop, with long stretches where progress feels slow. Working with collaborators you enjoy discussing ideas with can make that process easier and more rewarding, and can help sustain momentum over the long term.

S.D. For me, it has been really important to find a community that I feel comfortable in. Doing mathematics together can be quite vulnerable, because to get to the right idea you probably say a lot of dumb things first, and you need to feel confident that you will not be judged for this. Especially as part of a minority in maths, when you already feel like you stand out, this is hard! It took me a long time to even feel comfortable doing mathematics on the blackboard where everyone can see your mistakes, but once I found my people and gained this confidence mathematics became so much more fun! Having good mentors has been very important too. For me, Daniel Valesin, Christina Goldschmidt and Louigi Addario-Berry are the people that have supported me most throughout my career, and without their support I am not even sure whether I would be an academic today.

M.S. Read and learn broadly. Invest early in writing well. Aim to do work that you can take pride in for your whole life.

Forthcoming Conferences, Meetings and Workshops, and Calendar of Events

Organized, Sponsored and Co-Sponsored by

The 45th Conference on Stochastic Processes and their Applications

The 2026 conference on Stochastic Processes and their Applications (SPA 2026) will take place on June 14-20, 2026 on the beautiful campus of Cornell University. in Ithaca, NY. The chair of the program committee is Davar Khoshnevisan, and the local organizing committee is headed by Laurent Saloff-Coste and Gennady Samorodnitsky.

The main speakers are:

- 2026 BS/IMS Schramm Lecture – Roland Bauerschmidt
- 2026 IMS Medallion Award & Lecturer – Philip Ernst
- 2026 IMS Medallion Award & Lecturer – Marcel Nutz

The information on the program of the conference, invited sessions and instructions for submission of contributed talks is forthcoming, along with information on travel and housing.

See you in Ithaca in June 2026!

Local Organizing Committee

European Meeting of Statisticians

The European Meeting of Statisticians (EMS), sponsored by the European Regional Committee of the Bernoulli Society, is the main conference in statistics and probability in Europe. EMS is a conference where statisticians from all regions meet to exchange ideas and talk about the newest developments in the broad field of statistics and probability theory. The 35th edition of EMS will be held at the Università della Svizzera italiana and will start on Monday 24 august 2026 and it will end on Friday 28 august 2026. The Local Organizing Committee consists of Deborah Sulem (Chair), Antonietta Mira, Ernst Wit, Volodymyr Karpenko (Web Chair), and Mattia Gianinazzi (Web Co-Chair), all from the Università della Svizzera Italiana, Switzerland.

The Scientific Committee (SC) is led by Aad van der Vaart (TU Delft, The Netherlands). Other members of the SC are Gérard Biau (Sorbonne University, France), Peter Bühlmann (ETH Zurich, Switzerland), Susanne Ditlevsen (University of Copenhagen, Denmark), Krzysztof Latuszynski (University of Warwick, UK), Po-Ling Loh (University of Cambridge, UK), Antonietta Mira (Università della Svizzera Italiana, Switzerland), Sofia Olhede (EPFL Lausanne, Switzerland), Davy Paindaveine (Université libre de Bruxelles, Belgium), Kolyan Ray (Imperial College London, UK), and Gesine Reinert (University of Oxford, UK).

The plenary speakers are:

- Alexandra Carpentier, Universität Potsdam, Germany
- Liza Levina, University of Michigan, USA
- Richard Nickl, University of Cambridge, (UK
- Philippe Rigollet, MIT, USA
- Veronika Rockova, University of Chicago, Booth School of Business, USA

- Johannes Schmidt-Hieber, Universiteit Twente, The Netherlands
- Johanna Ziegel, ETH Zürich, Switzerland

The program consists of invited and contributed lectures, and posters, addressing a full range of subjects in statistics and its many applications. More information can be found at https://www.ems26.org/

Latin American Congress of Probability and Mathematical Statistics

The Latin American Congress of Probability and Mathematical Statistics (CLAPEM), promoted by the Latin American Society of Probability and Mathematical Statistics (SLAPEM) and the Latin American Regional Committee of the Bernoulli Society, is the main event in these fields in the region. It occurs every two/three years and attracts researchers and students from the most important Latin American centers. It has already been organized in Venezuela, Uruguay, Mexico, Brazil, Chile, Argentina, Cuba, Peru, Colombia, and Costa Rica.

The next edition will be held on March 2-6, 2026, in Montevideo, Uruguay at Facultad de Ingeniería of the Universidad de la República. The organization is carried out by the Grupo de Probabilidad y Estadística of the Universidad de la República (Udelar, Uruguay), which brings together researchers from different university institutes.

- Adrian González Casanova, Arizona State University, USA
- Alejandro Cholaquidis, Universidad de la República, Uruguay
- Alexander Glazman, University of Innsbruck, Austria
- Avelio Sepúlveda, Universidad de Chile, Chile
- Cynthia Rush, Columbia University, USA
- Davide Gabrielli, Università dell'Aquila, Italy
- Kavita Ramanan, Brown University, USA
- Nicolás García Trillos, University of Wisconsin–Madison, USA
- Liliana Forzani, Universidad Nacional del Litoral, Argentina

There will be also two mini-courses given by Gersende (Fort Laboratoire d'Analyse et d'Architecture des Systèmes, France) and Daniel Kious (University of Bath, UK).

More detauls are available at https://clapem17.cmat.edu.uy/.

Other Events

International Symposium on Nonparametric Statistics – ISNPS 2026

The International Symposium on Nonparametric Statistics (ISNPS 2026) will be held in Thessaloniki, Greece, June 22–26, 2026. This global forum will bring together researchers from around the world to exchange ideas, foster collaboration, and advance the fields of nonparametric statistics, data science and machine learning.

Building on the success of previous meetings in Chalkidiki, Cádiz, Avignon, Salerno, Paphos, and Braga, the 2026 symposium will feature plenary lectures, special invited sessions, contributed talks, and a dedicated student poster session. A student paper competition will be held with travel support awarded to the winners. Professor Jianqing Fan (Princeton University) will deliver the Peter Hall Lecture.

The meeting will take place at the Grand Hotel Palace, a venue with many multifunctional halls, offering an ideal environment for both scientific exchange and networking in one of Greece's most vibrant and historic cities.

For updates, visit
https://easyconferences.eu/isnps2026/

Inquiries regarding the scientific program can be addressed to Profs. Escanciano (jescanci@eco.uc3m.es), Ioannides (dimioan@uom.edu.gr), Kugiumtzis (dkugiu@auth.gr), and Racine (racinej@mcmaster.ca).

Calendar of Events

This calendar lists all meetings that have been announced in this and previous issues of *Bernoulli News* together with forthcoming meetings organized under the auspices of the Bernoulli Society or one of its Regional Committees (marked by).

A more comprehensive calendar of events is available on the BS Website `www.bernoulli-society.org/index.php/meetings`.

December 2025

- December 11-12 (2025), *IMS New Researchers Conference 2025*, Seville, Spain

March 2026

- March 2-6 (2026), *Latin American Congress of Probability and Mathematical Statistics*, Montevideo, Uruguay

June 2026

- June 3-5 (2026),*Regional Statistics Conference 2026*, Valletta, Malta
- June 14-20 (2026), *Conference on Stochastic Processes and their Applications (SPA)*, Ithaca, New York, USA
- June 22–26 (2026) *International Symposium on Nonparametric Statistics (ISNPS)*, Thessaloniki, Greece

August 2026

- August 24–28 (2026), *European Meeting of Statisticians*, Lugano, Switzerland

July 2027

- July 5-9 (2027), *Conference on Stochastic Processes and their Applications (SPA)*, Melbourne, Australia
- July 11-15 (2027), *66th ISI World Statistics Congress*, Lusaka, Zambia

July 2028

- July 24-28 (2028), *12th Bernoulli-IMS World Congress in Probability and Statistics*, Singapore, Republic of Singapore

Quote of the Issue:

"Aim to do work that you can take pride in for your whole life."

Mark Sellke

Recent Issues of Official Publications

Bernoulli

Vol. 31, No. 4: November 2025

Editors-in-Chief: K. Kato

http://projecteuclid.org/current/euclid.bj

"Treatment effect estimation with efficient data aggregation," S. Panigrahi, J. Wang, X. He, 2545–2568.
"Varying coefficient regression: Revisit and parametric help," S. H. Moon, B. U. Park, Y. K. Lee, 2569–2596.
"Almost sure growth of integrated supOU processes," D. Grahovac, P. Kevei, 2597–2623.
"Ergodicity, CLT and asymptotic maximum of the Airy_1 process," F. Pu, 2624–2648.
"Finite moments testing in a general class of nonlinear time series models," C. Francq, J.M. Zakoïan, 2649–2674.
"A central limit theorem for a sequence of conditionally centered random fields," A. Jalilian, A. Poinas, G. Xu, R. Waagepetersen, 2675–2698.
"Nearly minimax robust estimator of the mean vector by iterative spectral dimension reduction," A.H. Bateni, A. Minasyan, A.S. Dalalyan 2699–2722.
"The extended Ville's inequality for nonintegrable nonnegative supermartingales," H. Wang, A. Ramdas, 2723–2746.
"Local goodness-of-fit testing for Hölder-continuous densities: Minimax rates," J. Chhor, A. Carpentier, 2747–2771.
"Weak equivalence of local independence graphs," S. W. Mogensen, 2772–2798.
"Viscosity estimation for 2D pipe flows I. Construction, consistency, asymptotic normality," T. H. Nguyen, A. Shirikyan, 2799–2813.
"PEBBLE: A second order correct bootstrap method in logistic regression," D. Das, P. Das, 2814–2837.
"Nonparametric estimation for additive concurrent regression models ," É. Brunel, F. Comte, C. Duval, 2838–2863.
"Efficient quantile regression under censoring using Laguerre polynomials," A. Kreiss, I. Van Keilegom, 2864–2889.
"On non-negative solutions of stochastic Volterra equations with jumps and non-Lipschitz coefficients," A. Alfonsi, G. Szulda, 2890–2915.
"Log-concave density estimation in undirected graphical models," K. Kubjas, O. Kuznetsova, E. Robeva, P. Semnani, L. Sodomaco, 2916–2939.
"Non-parametric estimates for graphon mean-field particle systems," E. Bayraktar, H. Zhou, 2940–2961.
"Simultaneous semiparametric inference for single-index models," J. Tang, H. Dette, 2962–2986.
"Data fusion methods for the heterogeneity of treatment effect and confounding function," S. Yang, S. Liu, D. Zeng, X. Wang 2987–3012.
"Sequential kernel embedding for mediated and time-varying dose response curves," R. Singh, L. Xu, A. Gretton, 3013–3033.
"Pattern-based tests for two-dimensional copulas," L. Baringhaus, R. Grübel, 3034–3059.
"Parabolic Anderson model with colored noise on the torus," L. Chen, O. Cheng, W. Vickery, 3060–3086.
"Subexponential estimates for the first hitting time of a Brownian motion with singular drift," D. DeBlassie, A. Oprisan, R.G. Smits,3087–3112.
"Compound multivariate Hawkes processes: Large deviations and rare event simulation," R. S. Karim, R. J. A. Laeven, M. Mandjes, 3113–3138.
"On numerical discretizations that preserve probabilistic limit behaviors for time-homogeneous [...],"C. Chen, T. Dang, J. Hong, G. Song, 3139–3164.
"Information geometry and asymptotics for Kronecker covariances," A. McCormack, P. Hoff, 3165–3186.
"Prediction of random variables by excursion metric projections," V. Makogin, E. Spodarev, 3187–3212.
"Semi-parametric goodness-of-fit testing for INAR models," M. Faymonville, C. Jentsch, C. H. Weiß, 3213–3234.
"Asymptotic expansions in the central limit theorem for a super-Brownian motion," S. Zhang, J. Liu, J. Xiong, 3235–3259.
"Estimating the history of a random recursive tree," S. Briend, C. Giraud, G. Lugosi, D. Sulem, 3260–3284.
"High-dimensional partially linear additive models on Riemannian manifolds," C. Choi, Z. Lin, B. U. Park, 3285–3308.
"Hypothesis testing for functional linear models via bootstrapping," Y. Lin, Z. Lin, 3309–3330.
"A new non-parametric Kendall's tau for matrix-valued elliptical observations," Y. He, Y. Wang, L. Yu, W. Zhou, W.X. Zhou, 3331–3355.
"Monitoring of functional time series," T. Kutta, P. Kokoszka, 3356–3381.

Stochastic Processes and their Applications

Vol. 192: February 2026

Editor-in-Chief: Eva Löcherbach

http://www.sciencedirect.com/science/journal/03044149

"Long time fluctuations at critical parameter of Hopf's bifurcation," M. Aleandri, P. Dai Pra, 104785
"Steady state and mixing of two run-and-tumble particles interacting through jamming and attractive forces," L. Hahn, 104791.
"Scaling limit for small blocks in the Chinese restaurant process," O. Galganov, A. Ilienko 104793.
"Itô's formula for the flow of measures of Poisson stochastic integrals and applications," T. Cavallazzi, 104788.
"Fluid limits for interacting queues in sparse dynamic graphs," D. Goldsztajn, S. C. Borst, J. S.H. van Leeuwaarden 104794.
"Sticky diffusions on star graphs: Characterization and Itô formula," J. Berry, F. Colantoni, 104795.
"Consumption–investment optimization with Epstein–Zin utility in unbounded non-Markovian markets," Z, Feng, D. Tian, H. Zheng, 104805.
"Exponential ergodicity of CBIRE-processes with competition and catastrophes," S. Chen, R. Fang, L. Ji, J. Wang, 104807.
"1D stochastic pressure equation with log-correlated Gaussian coefficients," B. Avelin, T. Kuusi, P. Nummi, E. Saksman, L. Viitasaari 104808.
"Inverting the Markovian projection for pure jump processes," M. Larsson, S. Long, 104804.
"A random recursive tree model with doubling events," J. E. Björnberg, C. Mailler 104790.
"Two-step estimations via the Dantzig selector for models of stochastic processes [...]," K. Fujimori, K. Tsukuda, 104809.
"Transition of α-mixing in random iterations with applications in queuing theory," A. Lovas, 104803.
"A two-size Wright–Fisher model: asymptotic analysis via uniform renewal theory," G. Alsmeyer, F. Cordero, H. Dopmeyer, 104812.

"Clustering functional data sets by law,"A. Galves, F. A. Najman, M. Svarc, C. D. Vargas, 104796.
"Non-local Hamilton–Jacobi–Bellman equations for the stochastic optimal [...]," E. Bandini, C.Keller, 104813.
"Fluctuations of the giant of Poisson random graphs," D. Clancy, 104811.
"Moments for self-normalized partial sums," M. Matsui, T. Mikosch, O. Wintenberger 104810.
"Guided smoothing and control for diffusion processes," O. Eklund, A. Lang, M. Schauer 104806.
"Change of numeraire for weak martingale transports," M. Beiglböck, G. Pammer, L. Riess 104779.
"Limit theorems under heavy-tailed scenario in the age-dependent random connection models," C. Hirsch, T. Owada 104815.
"A Durrett–Remenik particle system in R^d,"R. Atar 104789.
"Near-optimal shattering in the Ising pure p-spin and rarity of solutions returned by stable algorithms," A. El Alaoui 104792.
"Stationary fluctuations for the WASEP with long jumps and infinitely extended reservoirs," W.Chen, L. Zhao 104827.
"Gaussian fluctuations of generalized U-statistics and subgraph counting in the binomial random-connection model," Q.Liu, N. Privault 104825.
"A generalised spatial branching process with ancestral branching to model the growth of a filamentous fungus," L. Kuwata 104817.
"The multivariate fractional Ornstein–Uhlenbeck process," R> Dugo, G. Giorgio, P. Pigato 104814.
"Rough functional Itô formula," F. Bielert 104826.
"On the Condensation and fluctuations in reversible coagulation–fragmentation models," W. Sun 104828.
"Multivariate change estimation for a stochastic heat equation from local measurements,"A. Tiepner, L. Trottner 104832.
"Mixing for Poisson representable processes and consequences for the Ising model [...]," S. A. Bethuelsen, M. P. Forsström 104831.
"Local properties for 1-dimensional critical branching Lévy process,' H. Hou, Y.X. Ren, R. Song 104834.

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https://www.bernoullisociety.org/publications?id=171

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Have a look at https://www.bernoullisociety.org/publications for the latest articles in *Electronic Communications in Probability*, *Electronic Journal of Probability*, *Electronic Journal of Statistics*, *Probability Surveys* and *Statistics Surveys*, *ALEA*, as well as *International Statistical Review*.

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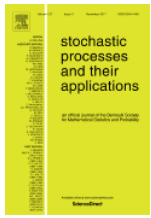

Publications and Meetings

The Bernoulli Society official journals are *Bernoulli* and *Stochastic Processes and their Applications*. In addition, the BS co-sponsors the following open-access online publications: *Electronic Communications in Probability*, *Electronic Journal of Probability*, *Electronic Journal of Statistics*, *Latin American Journal of Probability and Mathematical Statistics*, *Probability Surveys* and *Statistics Surveys*. Published twice a year, *Bernoulli News* provides detailed information about activities of the Society, while *Bernoulli* e-*Briefs* is a bimonthly electronic information bulletin that summarizes and draws the attention of relevant information to the membership.

The Bernoulli Society organizes or sponsors several international meetings which have a prominent relevance in the fields of mathematical statistics, probability, stochastic processes and their applications. These meetings are often held in conjunction with the ISI and other ISI Associations, the IMS or by the BS Regional and Standing Committees. Some of the meetings with a proud tradition are the *Bernoulli–IMS World Congress in Probability and Statistics* every four years, the *Conference on Stochastic Processes and their Applications* (SPA) organized every year, the *ISI World Statistics Congress* (formerly ISI Session), the *Latin American Congress in Probability and Mathematical Statistics* (CLAPEM) organized every two or three years, the *European Meeting of Statisticians* (EMS) organized every two years and the *European Young Statisticians Meeting* (EYSM) organized every two years.

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- Reduced registration fees for meetings organized or sponsored by the Bernoulli Society.
- Free online access to *Bernoulli* (back to the first issue in 1995) and to *Stochastic Processes and their Applications* (back to the first issue in 1973).
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Membership Application and Fees

Online Application for Membership

- Bernoulli Society membership
  `https://www.isi-web.org/index.php/memberships`

Membership Fees for 2026

- Full members: €94.
- First year of membership and first two years of postdoc for members from developed countries: €47.
- PhD students - developed countries: €34.
- PhD students - developing countries: €13.
- Members from developing countries, retired members and retired couples: €38.
- Joint BS–IMS membership: $164.
- Joint BS–IMS–ISI membership (only for elected ISI Members): €209.