

# Program

Below you will find the program of SPA 2026 in Ithaca, consisting of Program at a Glance, Abstracts, Posters, and the Full Conference Program

## Contributed Sessions

The 45th Conference on Stochastic Processes and their Applications (SPA) invites proposals for contributed sessions. This form should be used by organizers who wish to propose a complete session consisting of multiple coordinated talks.

Session organizers are responsible for identifying and confirming speakers, coordinating submissions, and ensuring participant availability if the session is accepted.

All proposals will be reviewed by the Local Program Committee and evaluated based on scientific quality, originality, topical relevance, and overall balance within the conference program. Submission does not guarantee acceptance.

Please complete all required fields and submit your proposal by **April 15**. For questions regarding contributed sessions, please contact the conference organizers.

## Program at a Glance

Titles and abstracts of the talks both in the invited sessions and in the contributed sessions may be submitted at the button below.

You may also use this portal to submit a contributed talk without specifying a specific session. Your title and abstract will be evaluated by the Local Program Committee. If your talk is accepted, the program committee will assign your talk to a session.

The deadline for single contributed talks is **May 15**

## Program at a Glance

Dates: 14–20 June 2026

If you have a plenary talk, an approved talk in an Invited or Contributed Session, or an approved poster, and you need a confirmation or formal invitation for your institution or for visa application, send an email to the conference email address. You will receive a form to fill out, and then we will email you an electronic confirmation. If you need a printed confirmation (on paper), please indicate this in your request. For lectures, the confirmation also serves as an invitation, whereas for posters, it is only a confirmation of acceptance of the poster. Note that if you have completed registration and payment, you will duly receive an invoice, but if you do need any additional confirmation, please write to us.

### SPA 2026 — Schedule at a Glance

Times are in Eastern Time. IS = Invited Session.

Time	Monday, June 15	Tuesday, June 16	Wednesday, June 17	Thursday, June 18	Friday, June 19
8:00–9:00	Registration				
9:00–9:10	Opening Ceremony Olin 155	Announcement of Lévy Prize Winner Olin 155	Lévy Prize Presentation Olin 155		
9:10–10:10	SCHRAMM LECTURE R. Bauerschmidt Olin 155	IMS MEDALLION LECTURE Philip Ernst Olin 155	LÉVY PRIZE LECTURE Olin 155	LÉVY LECTURE N. Berestycki Olin 155	DOOB LECTURE T. Seppäläinen Olin 155
10:10–10:30	Coffee break Duffield Atrium	Coffee break Duffield Atrium	Coffee break Duffield Atrium	Coffee break Duffield Atrium	Coffee break Duffield Atrium
10:30–11:30	S. Ganguly Plenary lecture Olin 155	A. Jęgo Plenary lecture Olin 155	10:30–12:15 Young Researchers' Session Olin 155	F. Caravenna Plenary lecture Olin 155	N. Berger Plenary lecture Olin 155
11:30–11:40	Coffee break Duffield Atrium	Coffee break Duffield Atrium		Coffee break Duffield Atrium	Program Closing Olin 155
11:40–12:40 (Thu: –12:40)		R. Zhu Plenary lecture Olin 155		11:40–12:40 · CONTRIBUTED SESSION CS 6 Interacting Particle Systems Upson 202	11:40–12:40 · CONTRIBUTED SESSION CS 8 Stochastics I Upson 206
				11:40–12:40 · CONTRIBUTED SESSION CS 9 Stochastics II Upson 216	
12:40–14:00 (Thu: 12:40–)	Lunch Duffield Atrium	Lunch Duffield Atrium	11:45–13:00 Lunch Duffield Atrium	Lunch (from 12:40) Duffield Atrium	Lunch Duffield Atrium
			12:45–13:00 Bus Boarding Bus departs at 1:00 PM		
14:00–15:40	IS 5 Modern advances on the interface of stochastic analysis and geometry Olin 145	IS 14 Diffusion, Interfaces, and KPZ Fluctuations in Random Media Olin 145	13:00–ONWARDS Optional Excursion / Tours Details TBA	IS 3 Infinite-volume structure of random walks in random potential Olin 145	
	IS 6 SPDEs in Critical Dimensions Olin 165	CONTRIBUTED SESSION CS 2 Machine Learning Upson 202		IS 13 Rough Stochastic Analysis Olin 165	
	IS 12 Mean-Field Games Upson 216	CONTRIBUTED SESSION CS 3 Random Graphs Upson 206		CONTRIBUTED SESSION CS 1 Markov Processes Upson 202	
	CONTRIBUTED SESSION CS 10 Stochastics III Upson 202	CONTRIBUTED SESSION CS 13 Rough Analysis and Applications in Machine Learning Upson 216		CONTRIBUTED SESSION CS 7 Networks Upson 206	
	CONTRIBUTED SESSION CS 11 Genealogies in population models Upson 206			CONTRIBUTED SESSION CS 16 Space-time Fractional SPDEs and Branching Catalytic Brownian Motion Speaker attendance TBC Upson 216	
15:40–16:10	Coffee break Duffield Atrium	Coffee break Duffield Atrium		Coffee break Duffield Atrium	
16:10–17:50	IS 1 Topology and geometry of high-dimensional complex networks Olin 145	IS 2 Disorder in Random Environments Olin 145		IS 4 Applications of Stein's Method Olin 145	
	IS 10 Interacting Particle Systems Olin 165	IS 7 Markov Additive Processes Olin 165		IS 9 Random Dynamical Systems and SPDEs Olin 165	
	CONTRIBUTED SESSION CS 4 Applications Upson 216	IS 15 Geometry of Random Fields Upson 216		CONTRIBUTED SESSION CS 5 Statistics Upson 216	
	CONTRIBUTED SESSION CS 12 Gaussian CLTs for Dependent Processes and Random Fields Upson 202	CONTRIBUTED SESSION CS 14 Stochastic Analysis and Applications in Machine Learning Upson 202		CONTRIBUTED SESSION CS 17 Machine Learning for Intractable Stochastic Processes Upson 202	
	CONTRIBUTED SESSION CS 15 Sample path properties and limit theorems for SDEs Upson 206			CONTRIBUTED SESSION CS 18 Novel Directions in Random Geometry and Limit Theory Upson 206	
17:50–18:45	Welcome Reception Duffield Atrium	Young Researchers' Reception Duffield Atrium			
18:30			Conference Dinner Willard Straight Hall Memorial Room		

### Invited Sessions (IS) — Full Titles, Organisers & Speakers

Code	Title & Organiser	Speakers	Scheduled
IS 1	Topology and geometry of high-dimensional complex networks Org: Takashi Owada (Purdue)	Parker Duncan (Queen Mary, London) Christian Hirsch (Aarhus) Takashi Owada (Purdue)	Mon 16:10–17:50
IS 2	Disorder in Random Environments Org: Rongfen Sun (Singapore)	Jeremy Clark (Mississippi) Maximilian Nitzschner (HKUST) Erik Bates (NC State)	Tue 16:10–17:50
IS 3	Infinite-volume structure of random walks in random potential Org: Christopher Janjigian (Purdue)	Yuri Bakhtin (NYU) Alex Dunlap (Duke) Firas Rassoul-Agha (Utah)	Thu 14:00–15:40
IS 4	Applications of Stein's Method Org: Nathan Ross (Australia)	Morgane Austern (Harvard) Partha Dey (Illinois) Guangqu Zheng (Boston U.)	Thu 16:10–17:50
IS 5	Modern advances on the interface of stochastic analysis and geometry Org: Maria Gordina	Ajay Chandra (Purdue) Tai Melcher (Virginia) Nate Eldredge (Northern Colorado)	Mon 14:00–15:40
IS 6	SPDEs in Critical Dimensions Org: Alexander Dunlap	Ahmed Bou-Rabee (UPenn) Shirshendu Ganguly (Berkeley) Li-Cheng Tsai (Utah)	Mon 14:00–15:40
IS 7	Markov Additive Processes Org: Zbigniew Palmowski (Poland)	Martin Minchev (Sofia / Zürich) Zbigniew Palmowski (Warsaw U. of Science and Technology) Quan Shi (Chinese Academy of Sciences)	Tue 16:10–17:50
IS 9	Random Dynamical Systems and SPDEs Org: Alexandra Blessing-Neamțu (Germany)	Yuri Bakhtin (NYU) Alexander Dunlap (Duke) Manuel Gnann (TU Delft)	Thu 16:10–17:50
IS 10	Interacting Particle Systems Org: Leonardo Rolla (Brazil)	Laurent Tournier (Sorbonne Paris North) Aurelia Deshayes (Paris-East Créteil) Jinjong Yu (East China Normal U.)	Mon 16:10–17:50
IS 12	Mean-Field Games Org: Mathieu Laurière	Anran Hu (Columbia) Ibrahim Ekren (Michigan) Manuel Arnes (Columbia)	Mon 14:00–15:40
IS 13	Rough Stochastic Analysis Org: Thomas Cass (UK)	Tom Cass — Solving Signature Kernels as Two-Parameter Rough Differential Equations Emilio Ferrucci (SISSA) Francesco Piatti (Imperial)	Thu 14:00–15:40
IS 14	Diffusion, Interfaces, and KPZ Fluctuations in Random Media Org: Alejandro Ramirez	Li-Cheng Tsai (Utah) Santiago Saglietti (UC Chile) Shalin Parekh (Maine)	Tue 14:00–15:40
IS 15	Geometry of Random Fields Org: Stephen Muirhead (UK)	Michele Stecconi (Luxembourg) Oanh Nguyen (Brown) Michael McAuley (TU Dublin)	Tue 16:10–17:50

### Young Researchers' Session — Wednesday 10:30–12:15

Speaker	Note
Morris Ang (UCSD)	Young Researchers Award
Serte Donderwinkel (Groningen)	Young Researchers Award
Haonan Zhang (UC Irvine)	Invited speaker (IS 11 cancelled)

### Contributed Sessions (CS) — Full Titles, Chairs & Speakers

Code	Title & Chair	Speakers	Scheduled
CS 1	Markov Processes Chair: TBD	Juan Antonio Vega Coso (Salamanca) Richard Bradley (Indiana U.) Rohan Sarkar (Binghamton) Brian Chao (Cornell)	Thu 14:00–15:40
CS 2	Machine Learning Chair: TBD	Shivam Singh Dharma (Boston U.) Liwei Huang (Michigan) Maria Oprea (Cornell) Daniel Andrés Díaz-Pachón (Miami)	Tue 14:00–15:40
CS 3	Random Graphs Chair: TBD	Tiangdong Wang (Fudan) Gerardo Perez Suarez (NTU) Shaibal Karmakar (ICTS Bengaluru) Carla Crucianelli (Princeton)	Tue 14:00–15:40
CS 4	Applications Chair: TBD	Temitope Comfrot Iroko (Wisconsin–Milwaukee) Pierre Yves Gaudreau Lamarre (Syracuse) ↔ from CS9 Eloi Martin (Oxford) Leon Wilkosz (KAUST)	Mon 16:10–17:50
CS 5	Statistics Chair: TBD	Laila Abdulaziz Al-Essa (PNU) Emmet Lawless (Michigan) Carmen Sangüesa Lafuente (Zaragoza) Priya Kumari Singh (UPenn)	Thu 16:10–17:50
CS 6	Interacting Particle Systems Chair: TBD	Diana de Armas Bellon (Bath) Michael Conroy (Clemson) Peter Rudzisz (Gothenburg) Heejune Kim (UMN)	Thu 11:40–12:40
CS 7	Networks Chair: TBD	Gursharn Kaur (Virginia) Ed Waymire (Oregon State) Santiago Saglietti (UC Chile) S.C. Park (Michigan)	Thu 14:00–15:40
CS 8	Stochastics I Chair: TBD	Tejinder Kumar (Northumbria) Majid Isaka Abubakar (Louisiana State) Emanuele Pasquari (Padua)	Thu 11:40–12:40
CS 9	Stochastics II Chair: TBD	Sher Chhetri (South Carolina Sumter) ↔ from CS4 Wasior R. KhudaBukhsh (Nottingham) Dongzhou Huang (Colorado State)	Thu 11:40–12:40
CS 10	Stochastics III Chair: TBD	Qijin Shi (UCSD) Parisa Fatheddin (OSU) Timothy Kang (Imperial)	Mon 14:00–15:40
CS 11	Genealogies in Population Models Chair: Jason Schweinsberg (UCSD)	Adrian Gonzalez-Casanova (Arizona State) Maximilian Newman (Chicago) Jason Schweinsberg (UCSD)	Mon 14:00–15:40
CS 12	Gaussian CLTs for Dependent Processes and Random Fields Chair: Ed Waymire (Oregon State)	Ed Waymire (Illinois) Partha Dey (Oregon State) Sumit Mukherjee (Columbia) Philippe Sosoe (Cornell)	Mon 16:10–17:50
CS 13	Rough Analysis and Applications in Machine Learning Chair: Samy Tindel (Purdue)	Samy Tindel (Purdue) Harsha Honnappa Qi Feng	Tue 14:00–15:40
CS 14	Stochastic Analysis and Applications in Machine Learning Chair: Qi Feng (Florida State)	Yinghui Liu Jinniao Qiu Ye He	Tue 16:10–17:50
CS 15	Sample Path Properties and Limit Theorems for SDEs Chair: Olga Iziumtseva (Nottingham)	Padmanabhan Sundar (Louisiana State) Arnab Ganguly (Louisiana State) Wasior R. KhudaBukhsh (Nottingham) Olga Iziumtseva (Nottingham)	Mon 16:10–17:50
CS 16	Space-time Fractional SPDEs and Branching Catalytic Brownian Motion Chair: Erkan Nane (Auburn)	Erkan Nane (Auburn) Robert Smits (Alabama) Alemayehu Negash (Hampton U.)	Thu 14:00–15:40 Speaker TBC
CS 17	Machine Learning for Intractable Stochastic Processes Chair: Dan Leonte (KAUST)	Erik Bensen (Carnegie Mellon) Daniel Salnikow (Imperial) Clemente Ferrer (U. Técnica Federico Santa María)	Thu 16:10–17:50
CS 18	Novel Directions in Random Geometry and Limit Theory Chair: Andrej Srakar (Ljubljana)	Minjae Park (Auburn) Stefano Vigogna (Rome) Andrej Srakar (Ljubljana) Vlad Margarit	Thu 16:10–17:50

## Posters

Poster size: Posters for the conference may be submitted [here](#). We recommend using an A0 portrait layout for your poster, as it provides a clear vertical flow of information and allows for effective organization of content while maintaining strong visual impact.

Please complete all required fields and **submit by May 15th**.

Participants are kindly asked to print their posters in advance and bring them to the conference, as on-site printing will not be available.

**Cancellation Policy:** All cancellations, changes, and requests for refunds must be made in writing. Refund requests received before 24 May 2026 will receive a full refund less a \$100.00 cancellation fee. Refund requests received after 24 May 2026 will not be honored.