

StanCon 2026, 17 - 21 August - Schedule

Monday 17 August 2026

- 08:30-09:00 **Registration** , *English Park - Humanities Theatre*
- 09:00-12:00 **Tutorial: An introduction to applied Bayesian statistics with Stan**, *English Park - Humanities Theatre*
- 09:00-12:00 **Tutorial: Bayesian model diagnostics: Workflows and software tools** , *English Park - Geijer lecture hall*
- 12:00-13:00 **Lunch** , *English Park - Humanities Theatre*
- 13:00-16:00 **Tutorial continued: An introduction to applied Bayesian statistics with Stan**, *English Park - Humanities Theatre*
- 13:00-16:00 **Tutorial: Contributing to Stan: A Developer's Guide to the Core, Interfaces, and First Contributions** , *English Park - Geijer lecture hall*

Tuesday 18 August 2026

- 09:00-09:30 **Registration** , *Ångström Laboratory*
- 09:30-09:40 **Welcome and opening remarks** , *Ångström Laboratory*
Måns Magnusson; Sara Hamis;
- 09:40-10:30 **Keynote 1: Matthew Kay - With support from the eSENCE, the e-science collaboration**, *Ångström Laboratory*
Chair: Mariel Finucane
Matthew Kay;
- 10:30-11:00 **Coffee break** , *Ångström Laboratory*
- 11:00-12:00 **Contributed talks (x3)** , *Ångström Laboratory*
Chair: David Kohns
- 11:00-11:20 From Mass Matrix Adaptation to Normalizing Flows
Adrian Seyboldt;
- 11:20-11:40 Bayesian Distributional Structural Equation Modeling in Stan
Paul-Christian Bürkner; Luna Fazio
- 11:40-12:00 Embedded Laplace Approximation in Stan
Charles Margossian; Steve Bronder; Aki Vehtari; Brian Ward
- 12:00-13:00 **Lunch** , *Ångström Laboratory*
- 13:00-14:00 **Contributed talks (x3)** , *Ångström Laboratory*
Chair: Jakob Torgander
- 13:00-13:20 Intuitive R2 based prior specification for high-dimensional models
Javier Enrique Aguilar; Paul-Christian Bürkner
- 13:20-13:40 Population Effect Estimation in Bayesian Hierarchical Models using Sum-to-Zero Constraints
Sean Pinkney; Nikolai Vetr
- 13:40-14:00 StanBlocks.jl: a Julia-based frontend for writing and composing Stan models
Nikolas Siccha;
- 14:00-14:30 **Flash talks 1 - (poster numbers 1-23)**, *Ångström Laboratory*
Chairs: Sara Hamis; Rebecca Crossley
- 14:30-15:00 **Coffee break** , *Ångström Laboratory*
- 15:00-15:50 **Keynote 2: Anna Dreber - With support from the Swedish Excellence Center for Computational Social Science** , *Ångström Laboratory*
Chair: Aki Vehtari
Anna Dreber;
- 15:50-16:00 **Information about dinner** , *Ångström Laboratory*
- 18:00-22:00 **Evening: Dinner at Norrland's Nation** , *Norrland's Nation*

Wednesday 19 August 2026

- 09:00-09:50 **Keynote 3: Kaitlyn Johnson - With support from the Beijer Foundation**, *Ångström Laboratory*
Chair: Mitzi Morris
Kaitlyn Johnson;

- 09:50-10:30 Contributed talks (x2)** , Ångström Laboratory
Chair: Mitzi Morris
- 09:50-10:10 Hierarchical Riemannian manifold Hamiltonian Monte Carlo algorithms
Jonas Wallin;
- 10:10-10:30 Embedding geographic concepts of place in probabilistic modelling of temporal activity patterns using bayesian dirichlet regression
Dr. Pranav Sanke; Jesse Piburn; Sarah Walters; Marie Urban; Robert Stewart
- 10:30-11:00 Coffee break** , Ångström Laboratory
- 11:00-12:00 Contributed talks (x3)** , Ångström Laboratory
Chair: Mariel Finucane
- 11:00-11:20 To select or not to select - predictively consistent priors instead of model selection
Anna Elisabeth Riha; Leevi Lindgren; David Kohns; Aki Vehtari
- 11:20-11:40 variance deltas: interactive visualizations for explaining bayesian uncertainty
collin cademartori;
- 11:40-12:00 Blending ensemble dispersal modelling with dynamic stage-structured population models: A coherent framework for sea lice infestation dynamics
Tim M. Szewczyk; Dmitry Aleynik; Andrew C. Dale; Philip A. Gillibrand; Kim S. Last; Helena C. Reinardy
- 12:00-13:00 Lunch** , Ångström Laboratory
- 13:00-14:00 Contributed talks (x3)** , Ångström Laboratory
Chair: Jodie Cochrane
- 13:00-13:20 Within-orbit adaptive leapfrog sampler (WALNUTS) with continuous Nutpie adaptation
Bob Carpenter;
- 13:20-13:40 A scalable hierarchical nonparametric stochastic differential equation framework for reconstructing stability landscapes from sparse microbiome data
Chandler Ross; Ville Laitinen; Guilhem Sommeria-Klein; Leo Lahti
- 13:40-14:00 Luck, skill, and the battle of the sexes: analyzing tennis
Nils Rudi; Paul Goldsmith-Pinkham; Tobias Moskowitz
- 14:00-14:30 Flash talks (posters 24-46)** , Ångström Laboratory
Chairs: Sara Hamis; Rebecca Crossley
- 14:30-16:00 Poster presentations (including coffee)** , Ångström Laboratory
- 16:00-17:30 Optional activity: Football.** , Ångström Laboratory
Chair: Hannes Waldetoft

Thursday 20 August 2026

- 09:00-09:50 Keynote 4: Fredrik Ronquist - With support from the Carl Trygger Foundation**, Ångström Laboratory
Chair: Mattias Villani
Fredrik Ronquist;
- 09:50-10:30 Contributed talks (x2)** , Ångström Laboratory
Chair: Mattias Villani
- 09:50-10:10 simplexcmc: an auxiliary-variable framework for mixed continuous-discrete posterior distributions
Jakob Torgander; Måns Magnusson; Jonas Wallin
- 10:10-10:30 Incorporating Response Times into Item Response Models: A Case Study with Special Functions in Stan
John Ashley Burgoyne;
- 10:30-11:00 Coffee break** , Ångström Laboratory
- 11:00-12:00 Contributed talks (x3)** , Ångström Laboratory
Chair: Rebecca Crossley
- 11:00-11:20 Probabilistic Ordinal Regression for Hierarchical Survey Data
Aleksi Lahtinen; Leo Lahti
- 11:20-11:40 Understanding Stan so you can write JAX
Brian Ward;
- 11:40-12:00 An Introduction to Probabilistic Data Analysis with Stan on the Carpentries Platform
Ville Laitinen; Leo Lahti
- 12:00-13:00 Lunch** , Ångström Laboratory
- 13:00-13:40 Contributed talks (x2)** , Ångström Laboratory
Chair: Rebecca Crossley

- 13:00-13:20 Probabilistic Matrix Completion for Chemical Engineering Applications
Zeno Romero; Nicolas Hayer; Hans Hasse; Fabian Jirasek
- 13:20-13:40 Latent variable estimation with composite Hilbert space Gaussian processes
Soham Mukherjee; Javier Enrique Aguilar; Marcello Zago; Manfred Claassen; Paul-Christian Bürkner
- 13:45-14:20 **Stan Talk** , Ångström Laboratory
Chair: Aki Vehtari
Steve Bronder; **Brian Ward**;
- 14:20-14:30 **Poster awards** , Ångström Laboratory
- 14:30-15:00 **Coffee break** , Ångström Laboratory
- 15:00-15:55 **Stan Live session** , Ångström Laboratory
Alexandre Andorra;
- 15:55-16:00 **Closing remarks** , Ångström Laboratory
Chairs: Måns Magnusson; Sara Hamis

Friday 21 August 2026

- 09:00-12:00 **Workshop: Stan for pharmacometrics** , English Park - Humanities Theatre
- 09:00-12:00 **Workshop: Bayesian Inference for Sparsity-Promoting and Edge-Preserving Priors in Probabilistic Programming** , English Park - Geijer lecture hall
- 09:00-12:00 **Workshop: Stan Contribution Hackathon** , Room 22-1017
- 12:00-13:00 **Lunch pack to go or eat onsite will be provided** , English Park - Humanities Theatre