# ISBA 2012 World Meeting

Kyoto, Japan June 25–29, 2012

## **Program & Schedule**



## **Sponsors**















PASCAL 2



Collegio Carlo Alberto



Also supported by Grants-in-Aid for Scientific Research (A) (KAKENHI, #21243018, #21243030, #20243017), Grant-in-Aid for Young Scientists (B) (KAKENHI #23730213) and endorsed by: Science Council of Japan, Institute for Monetary and Economic Studies (Bank of Japan), Economic and Social Research Institute (Cabinet Office, Government of Japan), Behaviormetric Society of Japan, Biometric Society of Japan, Japan Institute of Marketing Science, Japan Association for Research on Testing, Japanese Classification Society, Japanese Society of Applied Statistics, Japanese Society of Computational Statistics, and Japan Statistical Society.

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Monday 25th	Tuesday 26th	Wednesday 27th	Thursday 28th	Friday 29th
	REGISTRATION	REGISTRATION	REGISTRATION	REGISTRATION
	DPENING 8:30 HRS.	Darallel sessions 0.00 hrs	Darallal sessions 0.00 hrs	Darallal sassions 9:00 hrs
	Advances in Gaussian processes Liang: Kaufman; Lee	Being simultaneously Bayesian and frequentist Lumley; Mukherjee; Rice	Applications of particle filtering and sequential updating Cornebise; Sisson; Kohn	Savage Award Session Jang: Mandel; Martínez-Ovando; Scheipl
	Bayesian methods in Biostatistics Riebler; Mueller; Rossell B	Bayesian applications Carvalho; Draper; Richardson; Prado (B)	Bayesian graphical and factor models: structure, sparsity and dimension Yoshida; Cron; H. Wang; Hahn (B)	<b>Topics in Bayesian Statistics</b> Johnson; Daniels; Kuensch B
	<b>Bayesian Econometrics IV</b> Gerlach; Nakatsuma; Forbes; Chen C	Beta processes: extensions and applications Kim; Williamson; Broderick; Hjort C	Bayesian methods in biological, environmental and ecological systems Telesca; Muthukumarana; Berrocal; Mondal C	Bayesian spatio-temporal disease mapping: new frontiers Cramb; White; Li; Farah
	Bayesian empirical likelihood Lazar; Basu; Ghosh; Chaudhuri D	Auxiliary variable and particle MCMC methods Chopin; Lee; Jacob D	Bayesian semi-parametric analysis: theory van Zanten; Castillo; De Blasi D	Bayes modeling in marketing Allenby; Abe; Kondo; Terui
	Coffee break (10:30 hrs.)	Coffee break (10:30 hrs.)	Coffee break (10:30 hrs.)	Coffee break (10:30 hrs.)
	Parallel sessions 11:00 hrs.	Parallel sessions 11:00 hrs.	Parallel sessions 11:00 hrs.	Parallel sessions 11:00 hrs.
	Model selection George; Scott; Bayarri A	Scaling Bayesian computation to handle big data: methods and feasibility Jordan; Kou; Atchade; Woodard	Approximate Bayesian computation : likelihood-free Bayesian inference II Nott; Blum; Marin; Ratman	Bayesian models for high-dimensional complex-structured data Brown; Ferreira; Morris; Banerjee Ā
REGISTRATION	Approximate Bayesian computation : likelihood-free Bayesian inference I Stumpf; Prangle; Rousseau; Drovandi (B)	Partial identification and causal inference: what can Bayes bring to the table? Kitagawa; C. Wang; Gustafson B	Time Series analysis and Finance Mira; Nakajima; Omori B	S'Bayes: constructing and using subjective priors for Bayesian modelling Goldstein; Low-Choy; Gill B
ISBA lecture on Bayesian foundations 13:00 hrs.	Optimal Bayesian experimental design Kim; Huan; Morita; Solonen Ĉ	Bayesian analysis of network data: from network determination to network modeling Baladandayuthapani; Pillai; Rodriguez C	Bayesian model assessment Clyde; Hatfield; García-Donato; Mulder Ĉ	Bayesian analysis of inverse problems Haario; Herbei; C. Fox C
Confidence in nonparametric credible sets?	Bayesian Econometrics Frühwirth-Schnatter; Norets; Geweke D	Applied Bayesian Econometrics Lopes; Smith; Villani; Wagner	Problem-driven developments in Bayesian nonparametrics Teh; Bacallado; Petrone D	Applications of non- and semi-parametric Bayesian methods Argiento; Griffin; Kottas; Quintana
Aad van der Vaart	Lunch (12:30 hrs.)	Lunch (12:30 hrs.)	Lunch (12:30 hrs.)	Lunch (12:30 hrs.)
A ISBA lecture on Bayesian	Keynote lecture 14:00 hrs. Data assimilation and sequential Bayes filters: information fusion with numerical simulation Tomoyuki Higuchi	Keynote lecture 14:00 hrs. Bayesian methods in cancer genomics Chris C. Holmes	Keynote lecture 14:00 hrs. Bayesian nonparametrics and conditional distributions Stephen G. Walker	Keynote lecture 14:00 hrs. Bayesian inference for intractable state-space models Arnaud Doucet
jounuulons 14:15 ms.	Parallel sessions 15:00 hrs.	Parallel sessions 15:00 hrs.	Parallel sessions 15:00 hrs.	Kaunota laatura 14:45 hm
<b>Bayesian</b> dynamic modelling Mike West	Hierarchies of Bayesian nonparametric processes E. Fox; Kim; Favaro; Wood	Bayesian methods for Spatial Statistics Haran; Sang; Huerta; Yang Â	Case studies of Bayesian success stories: babies, trials and ratings Saria; Carlin; Ji; Glickman	Demographic analysis of forest dynamics
A	Networks and relational data McCormick; Thomas; Lunagomez B	Bayesian analysis of protein structure and evolution Challis; Wu; Czogiel; Schmidler B	Parallel processing in Bayesian computing Suchard; Scott; Niemi; McAlinn B	projection models Alan Gelfand
Coffee break (15:30 hrs.)	Recent advances in Bayesian causal inference Mealli; Li; Elliott; Gutman	On the uses of random probabilities in Bayesian inference Orbanz; Mena; Lijoi C	Adaptive Bayesian function estimation Belitser; Tokdar; Lian C	Coffee break (15:30 hrs.)
ISBA lecture on Bayesian foundations 16:00 hrs.	Adaptive Monte Carlo Fort; Vihola; Salakhutdinov; Z. Wang	Bayesian Econometrics II Jacobi; Strachan; Leon-Gonzalez; Chan D	Bayesian Econometrics III Ando; Watanabe; Basturk; Choi D	General meeting 16:00–17:30 hrs.
Approximate Bayesian computation:	Coffee break (16:30 hrs.)	Coffee break (16:30 hrs.)	Coffee break (16:30 hrs.)	A
advances and questions	Parallel sessions 17:00 hrs.	Parallel sessions 17:00 hrs.	Parallel sessions 17:00 hrs.	
Christian Robert	Predictive inference and Bayes methods Clarke; Parry; Komaki A	Bayesian analysis of astronomical data Trotta; Mahabal; Philip; Stoica, Martinez, Saar	Spatial state-space models Sanso; Manolopoulou; Strickland A	
	Beyond MCMC methods in Bayesian inference Braun; Andrieu; Stroud; Kalli Braun; Andrieu; Stroud; Kalli	Recent advances in Bayesian variable selection Hans; Tadesse; Leman; Ghosh B	Bayesian modeling and its applications in social science Sun; Nicholls; He; Lu B	
ISBA lecture on Bayesian foundations 17:15 hrs. Slowly but surely.	Bayesian inference in science: the pursuit of a synergy Held; Forster; Lemos; Rigat	Nonparametric Bayes applications in Biostatistics Guindani; Trippa; Nieto-Barajas C	High dimensional graphical models in genomics Stingo; Liverani; Lenkoski; Bottolo C	
Bayesian ideas revolutionize medical research Donald A. Berry	Bayesian approaches to design and model comparison McGree; Taddy: Bornkamp; MacEachern	Advances in honest Monte Carlo Flegal; Huber; Jones; Beskos	Bayesian methods in reliability Mazzuchi; Soyer; Christen; Wilson D	
A Welcome reception at Garden Oriental 19:30 hrs.	Poster session 18:30–21:00 hrs. Seminar Room No. 1–3	<b>Poster session</b> 18:30–21:00 hrs. Seminar Room No. 1–3	<b>Poster session</b> 18:30–21:00 hrs. Seminar Room No. 1–3	Banquet, Cabaret and Afterparty 18:00–1:00 hrs.

## Floor map







## **Detailed schedule**

## Monday, June 25th

12:30-13:00	Registration
13:00-15:30	ISBA Lectures on Bayesian Foundations: Session 1
Room A	Chair: Michael Jordan (University of California, Berkeley, USA)
	Speakers:
	Aad van der Vaart (University of Leiden, Netherlands)     Confidence in nonparametric credible sets?
	• Mike West (Duke University, USA)
	Bayesian dynamic modelling
15:30-16:00	Coffee break
16:00-18:30	ISBA Lectures on Bayesian Foundations: Session 2
Room A	Chair: Peter Mueller (University of Texas at Austin, USA)
	Speakers:
	Christian Robert (Université Paris Dauphine, France)     Approximate Bayesian computation (ABC): advances and questions
	• Donald A. Berry (University of Texas MD Anderson Cancer Center, USA) Slowly but surely, Bayesian ideas revolutionize medical research
19:30-21:30	Welcome reception at Garden Oriental

## Tuesday, June 26th

08:00-08:30	Registration
08:30-09:00	Opening
09:00-10:30	
Room A	Invited session. Advances in Gaussian processes
	Organizer: Herbie Lee (University of California, Santa Cruz, USA)
	Chair: Robert Gramacy (University of Chicago Booth School of Business, USA)
	Speakers:
	Waley Liang (University of California, Santa Cruz, USA)     Bayesian nonstationary Gaussian process models via treed process convolutions
	• Cari Kaufman (University of California, Berkeley, USA)
	Efficient emulators of computer experiments using compactly supported correlation functions
	Herbie Lee (University of California, Santa Cruz, USA)     Gaussian process modeling of derivative curves
	Discussant: Kate Calder (Ohio State University, USA)
Room B	Invited session. Bayesian methods in Biostatistics
	Organizer: Valen E. Johnson (University of Texas MD Anderson Cancer Center, USA)
	Chair: David Rossell (IRB Barcelona, Spain)
	Speakers:
	Andrea Riebler (University of Zurich, Switzerland)     A novel empirical Bayes approach for profiling immunoprecipitation-based DNA methylation
	Peter Mueller (University of Texas at Austin, USA)     A Bayesian graphical model for ChIP-Seq data on histone modifications
	• David Rossell (IRB Barcelona, Spain) Bayesian de novo characterization of alternative splicing using high-throughput sequencing
	Discussant: Donatello Telesca (University of California, Los Angeles, USA)
Room C	Special topic session. Bayesian Econometrics IV
	Organizer: Cathy W. S. Chen (Feng Chia University, Taiwan)
	Chair: Cathy W. S. Chen (Feng Chia University, Taiwan)
	Speakers:
	Richard Gerlach (University of Sydney, Australia)     Bayesian semi-parametric forecasting of expected shortfall

	<ul> <li>Teruo Nakatsuma (Keio University, Japan) Bayesian risk assessment with threshold mixture extreme value models</li> <li>Catherine Forbes (Monash University, Australia) Efficient filtering of stochastic volatility models</li> </ul>
	<ul> <li>Cathy W. S. Chen (Feng Chia University, Taiwan)</li> <li>A Bavesian perspective on backtesting value-at-risk models</li> </ul>
Room D	Special tonic session. Bayesian empirical likelihood
1001112	Organizer: Saniay Chaudhuri (National University of Singapore, Singapore)
	Chair: Sanjay Chaudhuri (National University of Singapore, Singapore)
	Speakers:
	• Nicole Lazar (University of Georgia, USA)
	Empirical likelihood weighting
	• Sanib Basu (Northern Illinois University, USA)
	Bayesian empirical likelihood
	• Malay Ghosh (University of Florida, USA)
	Bayesian empirical likelinood for longituainal data with small area application
	Empirical likelihood based Bayesian methodology for complex survey datasets
10:30–11:00 11:00–12:30	Coffee break
Room A	Invited session. Model selection
	Organizer: Susie Bayarri (University of Valencia, Spain)
	Chair: David Conesa (University of Valencia, Spain)
	Speakers:
	• Ed George (University of Pennsylvania, USA)
	Shrinkage adjustment for model selection
	• James Scott (University of Texas at Austin, USA)
	A new look at logit likelihoods
	• Suste Dayani (University of Valencia, Span) TESS: the effective sample size for linear models
	Discussant: Gonzalo García-Donato (University of Castilla-La Mancha, Spain)
Room B	Special topic session. Approximate Bayesian computation (ABC): likelihood-free Bayesian inference I
	Organizers: Christian Robert (Université Paris Dauphine, France), Scott Sisson (University of New South Wales, Australia)
	Chair: Scott Sisson (University of New South Wales, Australia)
	Speakers:
	<ul> <li>Michael Stumpf (Imperial College London, UK)</li> </ul>
	Considerate approaches to ABC model selection
	• Dennis Prangle (Lancaster University, UK)
	Summary statistics for ABC model choice
	• Judith Rousseau (ENSAE-CREST and Universite Paris Dauphine, France) Assessing the influence of the choice of summary statistics for ARC: application to model choice
	<ul> <li>Christopher Drovandi (Queensland University of Technology, Australia) <i>Approximate Bayesian computation using indirect inference</i> </li> </ul>
Room C	Special tonic session. Optimal Bayesian experimental design
	Organizers: Thomas J. Loredo (Cornell University, USA), Youssef M. Marzouk (Massachusetts Institute of Technology, USA)
	Chair: Youssef M. Marzouk (Massachusetts Institute of Technology, USA)
	Speakers:
	Woojae Kim (Ohio State University, USA)
	Optimal experimental design for model discrimination in cognitive science: a nonparametric extension
	• Xun Huan (Massachusetts Institute of Technology, USA)
	Optimal sequential Bayesian experimental design via approximate dynamic programming
	Satoshi Morita (Yokohama City University, Japan)     Bayasian study dasians for new drug dayolonment
	Antti Solonen (Lappeenranta University of Technology, Finland)
	Simulation-based optimal design using MCMC

Room D	Invited session. Bayesian Econometrics
	Organizer: John Geweke (University of Technology, Sydney, Australia)
	Chair: Yasuhiro Omori (University of Tokyo, Japan)
	Speakers:
	Sylvia Frühwirth-Schnatter (Vienna University of Economics and Business, Austria)
	Flexible econometric modelling based on sparse finite mixtures
	Andriy Norets (Princeton University, USA)     Bayesian regression with nonparametric heteroskedasticity
	<ul> <li>John Geweke (University of Technology, Sydney, Australia) Massively parallel sequential Monte Carlo for Bayesian inference</li> </ul>
	Discussant: Robert Kohn (University of New South Wales, Australia)
12:30-14:00	Lunch
14:00-14:45	Keynote Lecture
Room A	Chair: Hajime Wago (Institute of Statistical Mathematics, Japan)
	Speaker: Tomoyuki Higuchi (Institute of Statistical Mathematics, Japan)
	Data assimilation and sequential Bayes filters: information fusion with numerical simulation
15:00–16:30	
Room A	Special topic session. Hierarchies of Bayesian nonparametric processes
	Organizer: Lancelot F. James (Hong Kong University of Science and Technology, Hong Kong)
	Chair: Peter Orbanz (Columbia University, USA)
	Speakers:
	Emily Fox (University of Pennsylvania, USA)     Multiresolution Gaussian process regression
	Dohyun Kim (Seoul National University, Korea) <i>Hierarchical random measure</i>
	Stefano Favaro (University of Torino, Italy)     On the stick-breaking representation for Gibbs-type priors
	• Frank Wood (Columbia University, USA) Infinite structured explicit duration hidden Markov models
Room B	Invited session. Networks and relational data
	Organizer: Peter Hoff (University of Washington, USA)
	Chair: Perla Reyes (University of California, Santa Cruz, USA)
	Speakers:
	• Tyler McCormick (University of Washington, USA) A Bayesian framework for indirect sampling of relational data
	Andrew Thomas (Carnegie Mellon University, USA)     Marginal-additive models and processes for network-correlated outcomes
	Simon Lunagomez (Harvard University, USA)     Bayesian inference from non-ignorable network sampling designs
	Discussant: Abel Rodriguez (University of California, Santa Cruz, USA)
Room C	Special tonic session Recent advances in Bayesian causal inference
noom e	Organizer: Fan Li (Duke University, USA)
	Chair: Fan Li (Duke University USA)
	Sneakers
	Fabrizia Mealli (University of Florence, Italy)     Using multivariate outcomes in Bayesian causal inference with noncompliance
	<ul> <li>Fan Li (Duke University, USA)</li> <li>Bayesian multivariate inference for a non-standard fuzzy regression discontinuity design</li> </ul>
	<ul> <li>Michael R. Elliott (University of Michigan, USA)</li> <li>Assessing the causal effect of treatment dosages in the presence of self-selection</li> </ul>
	<ul> <li>Roee Gutman (Brown University, USA)</li> <li>A robust outcome-free procedure for interval estimation of causal effects</li> </ul>

	Arnaud Doucet (University of Oxford, UK)
	Chair: Nando de Freitas (University of British Columbia, Canada)
	Speakers:
	Gersende Fort (LTCI, CNRS and Telecom ParisTech, France)     Adaptive equi-energy samplers
	Matti Vihola (University of Jyväskylä, Finland) <i>Robustness in adaptive MCMC</i>
	Russ Salakhutdinov (University of Toronto, Canada)     Learning high-dimensional deep Boltzmann machines using adaptive MCMC
	• Ziyu Wang (University of British Columbia, Canada) Adaptive MCMC with bandits
16:30–17:00	Coffee break
Boom A	Invited session Predictive inference and Bayes methods
noom n	Organizer: Fumiyasu Komaki (University of Tokyo Janan)
	Chair: Vuzo Maruwama (University of Tokyo, Japan)
	Snaskers
	Bertrand Clarke (University of Miami, USA)     Bayesian clustering stability
	Matthew Parry (University of Otago, New Zealand)     Proper local scoring rules
	• Fumiyasu Komaki (University of Tokyo, Japan) On the use of latent information priors
	Discussant: Xinyi Xu (Ohio State University, USA)
Room B	Special topic session. Beyond MCMC methods in Bayesian inference
	Organizer: Paul Damien (University of Texas at Austin, USA)
	Chair: Yee Whye Teh (University College London, UK)
	Speakers:
	Michael Braun (Massachusetts Institute of Technology, USA)     Generalized direct sampling for Bayesian hierarchical models
	Christophe Andrieu (University of Bristol, UK)     The pseudo-marginal approach and exact approximations for efficient MC
	Jonathan Stroud (George Washington University, USA)     Sequential estimation in dynamic spatio-temporal models
	Maria Kalli (University of Kent, UK)     Understanding the slice sampler
Room C	Special topic session. Bayesian inference in science: the pursuit of a synergy
	Organizer: Fabio Rigat (University of Warwick, UK)
	Chair: Fabio Rigat (University of Warwick, UK)
	Speakers:
	• Leonhard Held (University of Zurich, Switzerland) Assessing the impact of a movement network on the spatiotemporal spread of infectious diseases
	Jonathan Forster (University of Southampton, UK)     Mortality projection incorporating model uncertainty
	Ricardo Lemos (University of Queensland, Australia)     Getting the facts right on the climate change debate
	• Fabio Rigat (University of Warwick, UK) On the construction of parametric hierarchical predictive distributions

Organizers: Nando de Freitas (University of British Columbia, Canada), Christophe Andrieu (University of Bristol, UK),

Room D Special topic session. Adaptive Monte Carlo

### Room D Special topic session. Bayesian approaches to design and model comparison

Organizer: Marina Savelieva (Novartis Pharma AG, Switzerland)

Chair: Luis Nieto-Barajas (ITAM, Mexico)

Speakers:

- James McGree (Queensland University of Technology, Australia) A particle filter for Bayesian sequential design
- Matt Taddy (University of Chicago Booth School of Business, USA) Design of text mining experiments
- Bjoern Bornkamp (Novartis Pharma AG, Switzerland) Functional uniform prior distributions for nonlinear regression
- Steven MacEachern (Ohio State University, USA) The calibrated Bayes factor for model comparison

18:30–21:00 Seminar Room No. 1–3: Poster session

## Wednesday, June 27th

08:00-09:00	Registration
09:00-10:30	
Room A	Invited session. Being simultaneously Bayesian and frequentist
	Organizer: Kenneth Rice (University of Washington, USA)
	Chair: Fumiyasu Komaki (University of Tokyo, Japan)
	Speakers:
	• Thomas Lumley (University of Auckland, New Zealand) Likelihood of the empirical CDF: a coarsening approach to complex samples
	Bhramar Mukherjee (University of Michigan, USA)     Prediction in high dimensional datasets: an ensemble of shrinkage approaches
	Kenneth Rice (University of Washington, USA)     Interpreting tests which are both Bayesian and frequentist
	Discussant: David Stephens (Mc Gill University, Canada)
Room B	Special topic session. Bayesian applications
	Organizer: David Draper (University of California, Santa Cruz, USA)
	Chair: David Draper (University of California, Santa Cruz, USA)
	Speakers:
	Carlos Carvalho (University of Texas at Austin, USA)     Bayesian testing of factor asset pricing models
	• David Draper (University of California, Santa Cruz, USA) Power-intrinsic Bayesian variable selection in Gaussian linear models
	• Sylvia Richardson (Imperial College London, UK) Hierarchically related regression structures for integrative genomics analysis
	<ul> <li>Raquel Prado (University of California, Santa Cruz, USA) Bayesian models for multiple physiological time series in multi-subject studies</li> </ul>
Room C	Special topic session. Beta processes: extensions and applications
	Organizer: Nils Lid Hjort (University of Oslo, Norway)
	Chair: Sonia Petrone (Bocconi University, Italy)
	Speakers:
	<ul> <li>Yongdai Kim (Seoul National University, Korea) Analysis of credit risk history data using a mixture of beta-Dirichlet processes prior</li> </ul>
	• Sinead Williamson (Carnegie Mellon University, USA) Inducing dependency between beta processes using a Poisson process representation
	• Tamara Broderick (University of California, Berkeley, USA) The beta process, exchangeable feature models, and the feature paintbox
	Nils Lid Hjort (University of Oslo, Norway)     A brief history of beta processes

Room D	Invited session. Auxiliary variable and particle MCMC methods
	Organizer: Omiros Papaspiliopoulos (University Pompeu Fabra, Spain)
	Chair: Arnaud Doucet (University of Oxford, UK)
	Speakers:
	• Nicolas Chopin (CREST-ENSAE, France)
	ABC-EP: expectation propagation for likelihood-free Bayesian computation
	Anthony Lee (University of Warwick, UK)
	Auxiliary variables, active particles and locally adaptive Monte Carlo methods
	Pierre Jacob (CEREMADE, Université Paris Dauphine, France)
	SMC <sup>2</sup> : an algorithm for exact sequential inference in state space models
	Discussant: Arnaud Doucet (University of Oxford, UK)
10:30–11:00 11:00–12:30	Coffee break
Room A	Special topic session. Scaling Bayesian computation to handle big data: methods and feasibility
	Organizer: Dawn Woodard (Cornell University, USA)
	Chair: Galin Jones (University of Minnesota, USA)
	Speakers:
	• Michael Jordan (University of California, Berkeley, USA)
	Massive data and the bootstrap
	• Samuel Kou (Harvard University, USA)
	Multi-resolution inference of stochastic models from partially observed data
	• Yves Atchade (University of Michigan, USA)
	Dawn Woodard (Cornell University USA)
	Scalability of Markov chain methods for genomic motif discovery
Room B	Invited session. Partial identification and causal inference: what can Bayes bring to the table?
	Organizer: Paul Gustafson (University of British Columbia, Canada)
	Chair: Fan Li (Duke University, USA)
	Speakers:
	• Toru Kitagawa (University College London, UK)
	Estimation and inference for set-identified parameters using posterior lower probability
	Chenguang Wang (Johns Hopkins University, USA)
	A Bayesian causal effect model with weak stochastic assumption for clinical trials with incomplete longitudinal outcomes
	Paul Gustafson (University of British Columbia, Canada)
	Dayesian injerence in partially identified models
De erre C	Livited ecosion. Device on only is of network date: from network determination to network modeling
Room C	Invited session. Bayesian analysis of network data: from network determination to network modeling
	Chaim Michala Cuin dani (University of Camorina, Santa Ciuz, USA)
	Chair: Michele Guindani (University of Texas MD Anderson Cancer Center, USA)
	• Voora Baladandavuthanani (University of Toyas MD Anderson Cancer Conter LISA)
	Bayesian sparse graphical models and their applications
	• Natesh Pillai (Harvard University, USA)
	On a class of shrinkage priors for covariance matrix estimation
	• Abel Rodriguez (University of California, Santa Cruz, USA)
	Dynamic models for financial trading networks
	Discussant: Andrew Thomas (Carnegie Mellon University, USA)
Room D	Special topic session. Applied Bayesian Econometrics
	Organizer: Sylvia Frühwirth-Schnatter (Vienna University of Economics and Business, Austria)
	Chair: Sylvia Frühwirth-Schnatter (Vienna University of Economics and Business, Austria)
	Speakers:
	Hedibert Lopes (University of Chicago Booth School of Business, USA)
	On the long run volatility of stocks
	• MICHAEL SIMITA (MELDOURNE BUSINESS SCHOOL, AUSTRALIA) Estimation of conula models with discrete margins via Bayesian data augmentation
	изыпалон ој сориш тоисы wan иметене пандны va bayestan иши иизтеншион

	<ul> <li>Mattias Villani (Linköping University, Sweden) Bayesian mixture models for large microeconomic panels</li> <li>Helga Wagner (University of Linz, Austria) Bayesian treatment effects models for panel outcomes</li> </ul>
12:30-14:00	Lunch
12:30-14:00	<i>Room A:</i> Young Bayesian Meeting Conveners: Andrew Cron (Duke University, USA), Marian Farah (MRC Biostatistics Unit, Cambridge, UK), Francesca Jeva (Politecnico di Milano, Italy)
13:00–14:00	Room B: George Casella Memorial Session Convener: Christian Robert (Université Paris Dauphine, France)
14:00–14:45	Keynote Lecture
Room A	Chair: Merlise Clyde (Duke University, USA) Speaker: Chris C. Holmes (University of Oxford, UK) Bayesian methods in cancer genomics
15:00-16:30	
Room A	Special topic session. Bayesian methods for Spatial Statistics
	Organizer: Mikyoung Jun (Texas A&M University, USA)
	Speakers:
	<ul> <li>Murali Haran (Pennsylvania State University, USA)</li> <li>Computer model calibration with high dimensional multivariate space-time observations</li> </ul>
	Huiyan Sang (Texas A&M University, USA)     Covariance approximation for large multivariate spatial datasets
	• Gabriel Huerta (Indiana University, USA) Estimating parametric uncertainties in computationally enabled strategies for climate model development
	Hongxia Yang (IBM Watson Research, USA)     Adaptive sampling for Bayesian geospatial models
Room B	Special topic session. Bayesian analysis of protein structure and evolution
	Organizer: Scott Schmidler (Duke University, USA)
	Chair: Scott Schmidler (Duke University, USA)
	Speakers:
	Christopher Challis (Duke University, USA)     Bayesian evolutionary modeling of protein structures
	<ul> <li>Chieh-Hsi Wu (University of Auckland, New Zealand) Revealing the across site heterogeneity of nucleotide substitution patterns using Dirichlet process mixture model and Bayesian model selection</li> </ul>
	<ul> <li>Irina Czogiel (Max Planck Institute for Molecular Genetics, Germany) Bayesian alignment of unlabeled marked point sets using random fields - molecular shape analysis</li> <li>Scott Schmidler (Duke University, USA)</li> </ul>
	Some theoretical bounds on Bayesian estimation of evolutionary distance
Room C	Invited session. On the uses of random probabilities in Bayesian inference
	Organizer: Antonio Lijoi (University of Pavia, Italy)
	Chair: Fernando Quintana (Pontificia Universidad Católica de Chile, Chile)
	Speakers:
	Peter Orbanz (Columbia University, USA)     Constructions of priors on probability measures
	Ramses Mena (UNAM, Mexico)     An EPPF from independent sequences of geometric random variables
	• Antonio Lijoi (University of Pavia, Italy) Discrete random probabilities for Bayesian inference on species variety
	Discussant: Julyan Arbel (CREST, Université Paris Dauphine, France)

#### Room D Special topic session. Bayesian Econometrics II

Organizer: Roberto Leon-Gonzalez (National Graduate Institute for Policy Studies, Japan)

Chair: Rodney Strachan (Australian National University, Australia)

#### Speakers:

- Liana Jacobi (University of Melbourne, Australia) Consumption decisions in markets with limited accessibility: the case of cannabis
- Rodney Strachan (Australian National University, Australia) *Time varying dimension models*
- Roberto Leon-Gonzalez (National Graduate Institute for Policy Studies, Japan) Fat-tailed Gamma autoregressive processes for stochastic volatility with jumps
- Joshua Chan (Australian National University, Australia) Efficient samplers for dynamic factor models with stochastic volatilities

## 16:30–17:00 Coffee break

17:00-18:30	
Room A	Special topic session. Bayesian analysis of astronomical data
	Organizer: Joseph M. Hilbe (Arizona State University, USA)
	Chair: David van Dyk (University of California, Irvine, USA)
	Speakers:
	• Roberto Trotta (Imperial College London, UK)
	Bayesian hierarchical modeling of cosmological supernovae type Ia data
	<ul> <li>Ashish Mahabal (California Institute of Technology, USA)</li> </ul>
	Using Bayesian networks for real-time classification of transients
	Ninan Philip (St. Thomas College, Kozhencheri, India)
	<ul> <li>Dayesian analysis of sparse astronomical data matrices</li> <li>Dady S. Stoige (Université Lille 1, France), Vincent Martinez (University of Valencie, Spain)</li> </ul>
	• Radu S. Stolca (Oniversite Line 1, France), vincent Martinez (Oniversity of Valencia, Spain), Enn Saar (Tartu Observatory, Estonia)
	Use of marked point processes in a Bayesian framework for detecting and characterizing cosmic galactic filaments
Room B	Special topic session. Recent advances in Bayesian variable selection
	Organizer: Joyee Ghosh (University of Iowa, USA)
	Chair: Philip Brown (University of Kent, UK)
	Speakers:
	Christopher Hans (Ohio State University, USA)
	Structuring dependence in regression: radius mixtures of spherically uniform priors
	Mahlet Tadesse (Georgetown University, USA)
	A stochastic partitioning method to associate high-dimensional datasets
	• Scotland Leman (Virginia Tech, USA)
	Ine multiset model selector
	• Joyee Glosh (Oniversity of lowa, USA) Data augmentation and sandwich algorithms for Bayesian model averaging
Room C	Invited session Nonnarametric Bayes applications in Biostatistics
noom e	Organizer: Luis Nieto-Barajas (ITAM, Mexico)
	Chair: Athanasios Kottas (University of California, Santa Cruz, USA)
	Speakers:
	Michele Guindani (University of Texas MD Anderson Cancer Center, USA)
	Species Sampling prior for the analysis of array CGH data
	• Lorenzo Trippa (Harvard University, USA)
	A nonparametric approach for validating, comparing and integrating predictive models
	Luis Nieto-Barajas (ITAM, Mexico)
	Bayesian analysis of functional proteomics profiles
	Discussant: Sujit Ghosh (North Carolina State University, USA)

#### Room D Special topic session. Advances in honest Monte Carlo

Organizer: Mark Huber (Claremont McKenna College, USA)

Chair: Mark Huber (Claremont McKenna College, USA)

Speakers:

- James Flegal (University of California, Riverside, USA) Expectation and quantile estimation via Markov chain Monte Carlo
- Mark Huber (Claremont McKenna College, USA) Fast approximation algorithms for partition functions of Gibbs distributions
- Galin Jones (University of Minnesota, USA) Markov chain Monte Carlo: can we trust the third significant figure?
  Alexandros Beskos (University College London, UK)
- Sequential Monte Carlo methods in high dimensions

18:30–21:00 Seminar Room No. 1–3: Poster session

## Thursday, June 28th

08:00-09:00	Registration
09:00–10:30	
Room A	Invited session. Applications of particle filtering and sequential updating
	Organizer: Robert Kohn (University of New South Wales, Australia)
	Chair: Jonathan Stroud (George Washington University, USA)
	Speakers:
	Julien Cornebise (UK)     Practicalities in implementing Adaptive Particle MCMC
	<ul> <li>Scott Sisson (University of New South Wales, Australia) Regression density estimation for approximate Bayesian computation</li> </ul>
	Robert Kohn (University of New South Wales, Australia)     Bayesian Inference for Complex Time Series Models
	Discussant: Hedibert Lopes (University of Chicago Booth School of Business, USA)
Room B	Special topic session. Bayesian graphical and factor models: structure, sparsity and dimension
	Organizer: Mike West (Duke University, USA)
	Chair: Emily Fox (University of Pennsylvania, USA)
	Speakers:
	• Ryo Yoshida (Research Organization of Information and Systems, Institute of Statistical Mathematics, Japan) Bayesian sparse reconstruction: Latent factor analysis of gene regulatory programs
	Andrew Cron (Duke University, USA)     Modeling sparse full-rank orthogonal matrices
	• Hao Wang (University of South Carolina, USA) Efficient Gaussian graphical model determination under G-Wishart prior distributions
	• P. Richard Hahn (University of Chicago Booth School of Business, USA) Sparse factor model approaches to the weak instrument problem
Room C	Special topic session. Bayesian methods in biological, environmental and ecological systems
	Organizer: Debashis Mondal (University of Chicago, USA)
	Chair: David Dahl (Texas A&M University, USA)
	Speakers:
	Donatello Telesca (University of California, Los Angeles, USA)     Statistical issues in nanometerial toxicology
	Saman Muthukumarana (University of Manitoba, Canada)     Modelling heterogeneity in mark-recapture data using the Dirichlet process
	Veronica J. Berrocal (University of Michigan, USA)     Directional weights CAR models using Gaussian process mixing
	Debashis Mondal (University of Chicago, USA)     Spatial analysis of environmental bioassays

#### Room D Invited session. Bayesian semi-parametric analysis: theory

Organizer: Judith Rousseau (ENSAE-CREST and Université Paris Dauphine, France)

Chair: Judith Rousseau (ENSAE-CREST and Université Paris Dauphine, France) Speakers:

- Harry van Zanten (Eindhoven University of Technology, Netherlands) Asymptotic theory for empirical Bayes procedures
- Ismael Castillo (CNRS Paris, France) Semiparametric Bernstein-von Mises theorem, low regularity
- Pierpaolo De Blasi (University of Torino and Collegio Carlo Alberto, Italy) Bayesian estimation of the discrepancy with misspecified parametric models

Discussant: Judith Rousseau (ENSAE-CREST and Université Paris Dauphine, France)

10:30-11:00	Coffee break
11:00-12:30	
Room A	Special topic session. Approximate Bayesian computation (ABC): likelihood-free Bayesian inference II
	Organizers: Christian Robert (Université Paris Dauphine, France), Scott Sisson (University of New South Wales, Australia)
	Chair: Marc Suchard (University of California, Los Angeles, USA)
	Speakers:
	<ul> <li>David Nott (National University of Singapore, Singapore) Approximate Bayesian computation and Bayes linear analysis: towards high-dimensional ABC</li> </ul>
	<ul> <li>Michael Blum (CNRS, Université Joseph Fourier, France) A comparison of dimension reduction methods in approximate Bayesian computation</li> </ul>
	• Jean-Michel Marin (Université Montpellier 2, France) Estimation of demo-genetic model probabilities with approximate Bayesian computation using linear discriminant analysis on summary statistics
	• Oliver Ratman (Duke University, USA) Summary errors, conflict and evidence synthesis - exploiting the cutting edges of approximate Bayesian computation to analyze the phylodynamics of human pathogens
Room B	Invited session. Time Series analysis and Finance
	Organizer: Siddartha Chib (Washington University, St. Louis, USA)
	Chair: Hedibert Lopes (University of Chicago Booth School of Business, USA)
	Speakers:
	<ul> <li>Antonietta Mira (University of Lugano, Switzerland)</li> <li>A Bayesian estimator of the multivariate covariance of noisy and asynchronous returns</li> </ul>
	<ul> <li>Jouchi Nakajima (Duke University, USA) Multivariate dynamic sparsity modelling in financial time series</li> </ul>
	<ul> <li>Yasuhiro Omori (University of Tokyo, Japan) A class of multivariate stochastic volatility models with leverage</li> </ul>
	Discussant: Teruo Nakatsuma (Keio University, Japan)
Room C	Special topic session. Bayesian model assessment
	Organizer: Joris Mulder (Tilburg University, Netherlands)
	Chair: Brad Carlin (University of Minnesota, USA)
	Speakers:
	Merlise Clyde (Duke University, USA)     Perspectives on Bayesian model combination
	Laura Hatfield (Harvard Medical School, USA)     Identifiability and learning in Bayesian joint longitudinal-survival models
	<ul> <li>Gonzalo García-Donato (University of Castilla-La Mancha, Spain)</li> <li>On the development of formal criteria to determine objective model selection priors</li> </ul>
	Joris Mulder (Tilburg University, Netherlands)     Default Bayes factors for comparing (in)equality constrained models

## Room D Invited session. Problem-driven developments in Bayesian nonparametrics Organizer: Sonia Petrone (Bocconi University, Italy) Chair: Ramses Mena (UNAM, Mexico) Speakers: • Yee Whye Teh (University College London, UK) A Bayesian nonparametric model for ranking data • Sergio Bacallado (Stanford University, USA) A Bayesian nonparametric model for reversible Markov chains with applications in molecular dynamics • Sonia Petrone (Bocconi University, Italy) Bayes and empirical Bayes: do they merge? Discussant: Raffaele Argiento (CNR-IMATI, Italy) 12:30-14:00 Lunch 14:00–14:45 Keynote Lecture Room A Chair: Ed George (University of Pennsylvania, USA) Speaker: Stephen G. Walker (University of Kent, UK) Bayesian nonparametrics and conditional distributions 15:00-16:30 Room A Special topic session. Case studies of Bayesian success stories: babies, trials and ratings Organizer: Peter Mueller (University of Texas at Austin, USA) Chair: Peter Mueller (University of Texas at Austin, USA) Speakers: • Suchi Saria (Harvard University and Johns Hopkins University, USA) Modeling at-risk infants: Bayesian nonparametrics to the rescue • Brad Carlin (University of Minnesota, USA) Success stories in Bayesian adaptive methods for phase I-II clinical trials • Yuan Ji (Northshore University Healthcare System, USA) Clustering, network, epigenetics • Mark Glickman (Boston University, USA) Measuring competitor strength in games and sports through an approximate Bayesian filter: the Glicko system Room B Special topic session. Parallel processing in Bayesian computing Organizers: Christian Robert (Université Paris Dauphine, France), Marc Suchard (University of California, Los Angeles, USA) Chair: Christian Robert (Université Paris Dauphine, France) Speakers: • Marc Suchard (University of California, Los Angeles, USA) Ridiculously parallel, serial Bayesian inference algorithms • Steven Scott (Google, USA) Distributed hierarchical logistic regression • Jarad Niemi (Iowa State University, USA) Rejection sampling on a graphical processing unit • Kenichiro McAlinn (Keio University, Japan) GPGPU parallel computing for Bayesian portfolio selection with massive number of assets Room C Invited session. Adaptive Bayesian function estimation Organizer: Subhashis Ghosal (North Carolina State University, USA) Chair: Subhashis Ghosal (North Carolina State University, USA) Speakers: • Eduard Belitser (Eindhoven University of Technology, Netherlands) Projection oracle convergence rate of posterior • Surya Tokdar (Duke University, USA) Dimension adaptability of Gaussian process models with variable selection and projection • Heng Lian (Nanyang Technological University, Singapore) Posterior convergence rates for wavelet regression Discussant: Subhashis Ghosal (North Carolina State University, USA)

#### Room D Special topic session. Bayesian Econometrics III

Organizer: Tomohiro Ando (Keio University, Japan)

Chair: Tomohiro Ando (Keio University, Japan)

Speakers:

- Tomohiro Ando (Keio University, Japan) Factor augmented approach for predicting stock market behavior
- Toshiaki Watanabe (Hitotsubashi University, Japan) Bayesian analysis of identifying restrictions for the time-varying parameter vector autoregressive model
- Nalan Basturk (Erasmus University Rotterdam, Netherlands) Instrumental variables, errors in variables, and simultaneous equations models: applicability and limitations of direct Monte Carlo
- Taeryon Choi (Korea University, Korea) Bayesian analysis of partially linear regression models

16:30-17:00 Coffee break

17:00-18:30 Room A Invited session. Spatial state-space models Organizer: Dani Gamerman (Federal Universsty of Rio de Janeiro, Brazil) Chair: Gabriel Huerta (Indiana University, USA) Speakers: • Bruno Sanso (University of California, Santa Cruz, USA) Blending and downscaling ensembles of climate model predictions • Ioanna Manolopoulou (Duke University, USA) Diffusion modeling of motion trajectories under the influence of covariates • Christopher Strickland (Queensland University of Technology, Australia) Change point detection in multivariate time series and space time data sets Discussant: Sudipto Banerjee (University of Minnesota, USA) Room B Special topic session. Bayesian modeling and its applications in social science Organizer: Jun Lu (American University, USA) Chair: Jeff Gill (Washington University, St. Louis, USA) Speakers: • Dongchu Sun (University of Missouri-Columbia, USA) Bayesian analysis of variance • Geoff Nicholls (University of Oxford, UK) Phylogenetic models for the ancestry of a cultural trait with applications to the analysis of vocabulary trait data • Chong He (University of Missouri-Columbia, USA) Adjusting nonresponse bias in small area estimation via a Bayesian hierarchical spatial model • Jun Lu (American University, USA)

A Bayesian analysis to explicit and implicit memory

#### Room C Special topic session. High dimensional graphical models in genomics

Organizers: Christopher Yau (University of Oxford, UK), Leonardo Bottolo (Imperial College London, UK)

Chair: Anthony Lee (University of Warwick, UK)

Speakers:

- Francesco Stingo (University of Texas MD Anderson Cancer Center, USA) *Bayesian hierarchical models for data integration in genomics*
- Silvia Liverani (Imperial College London, UK)
   Bayesian dependence model for regulatory networks
- Alex Lenkoski (Heidelberg University, Germany) Hierarchical Gaussian graphical models and the G-Wishart distribution
- Leonardo Bottolo (Imperial College London, UK) Stochastic recurrent heavy subgraphs of denoised weighted networks

### Room D Special topic session. Bayesian methods in reliability

Organizer: Refik Soyer (George Washington University, USA)

Chair: Fabrizio Ruggeri (CNR-IMATI, Italy)

Speakers:

- Thomas Mazzuchi (George Washington University, USA) A Bayesian analysis of variable reliability growth
- Refik Soyer (George Washington University, USA) *To survive or to fail: what is the question?*
- J. Andrés Christen (CIMAT, Mexico) Fully sequential analysis of accelerated life testing
- Simon P. Wilson (Trinity College Dublin, Ireland) Inference on phase-type models via MCMC with application to networks of repairable redundant systems

18:30–21:00 Seminar Room No. 1–3: Poster session

## Friday, June 29th

08:00-09:00	Registration
09:00-10:30	
Room A	Invited session. Savage Award Session
	Organizer: ISBA
	Chair: Bertrand Clarke (University of Miami, USA)
	Speakers:
	Gun Ho Jang (University of Pennsylvania, USA)     Invariant procedures in model checking, checking for prior-data conflict and Bayesian analysis
	• Kaisey Mandel (Imperial College London, UK) Improving cosmological distances to illuminate dark energy: hierarchical Bayesian models for type Ia supernovae in the optical and near-infrared
	Juan Carlos Martínez-Ovando (Banco de México, Mexico)     On stationary modelling for time-series data
	<ul> <li>Fabian Scheipl (Ludwig-Maximilians-Universität München, Germany) Spike-and-slab priors for function selection in structured additive regression models</li> </ul>
Room B	Invited session. Topics in Bayesian Statistics
	Organizer: Raquel Prado (University of California, Santa Cruz, USA)
	Chair: Raquel Prado (University of California, Santa Cruz, USA)
	Speakers:
	<ul> <li>Valen E. Johnson (University of Texas MD Anderson Cancer Center, USA) Bayesian model selection in ultrahigh-dimensional settings</li> </ul>
	Michael Daniels (University of Florida, USA)     Proper Bayesian inference with missingness and auxiliary information
	Hans R. Kuensch (ETH Zurich, Switzerland)     A new tool for Bayesian model diagnostics
	Discussant: Steven MacEachern (Ohio State University, USA)
Room C	Special topic session. Bayesian spatio-temporal disease mapping: new frontiers
	Organizer: Susanna Cramb (Cancer Council Queensland and Queensland University of Technology, Australia)
	Chair: Veronica J. Berrocal (University of Michigan, USA)
	Speakers:
	• Susanna Cramb (Cancer Council Queensland and Queensland University of Technology, Australia) Spatio-temporal cancer mapping: Bayesian dynamic factor models
	Nicole White (Queensland University of Technology, Australia)     Spatial modelling of health service provision and utilisation
	• Guangquan Li (Imperial College London, UK) BaySTDetect: detecting unusual temporal patterns in small area disease rates using Bayesian posterior model probabilities
	• Marian Farah (MRC Biostatistics Unit, Cambridge, UK) Dynamic Bayesian modelling for emulation and calibration of epidemic models

#### Room D Special topic session. Bayes modeling in marketing

Organizer: Nobuhiko Terui (Tohoku University, Japan)

Chair: Nobuhiko Terui (Tohoku University, Japan)

Speakers:

- Greg Allenby (Ohio State University, USA) Modeling indivisible demand
- Makoto Abe (University of Tokyo, Japan) A brand purchase model of consumer goods incorporating
- Fumiyo Kondo (University of Tsukuba, Japan) Bayesian dynamic factor analysis and the corresponding clusters for changing needs
- Nobuhiko Terui (Tohoku University, Japan) Dynamic brand satiation

#### 10:30-11:00 Coffee break

## 11:00-12:30

Room A Special topic session. Bayesian models for high-dimensional complex-structured data Organizer: Veera Baladandayuthapani (University of Texas MD Anderson Cancer Center, USA) Chair: Veera Baladandayuthapani (University of Texas MD Anderson Cancer Center, USA) Speakers: • Philip Brown (University of Kent, UK) Flexible Bayesian sparsity modelling for high dimensional data • Marco Ferreira (University of Missouri, USA) Bayesian hierarchical multi-subject multiscale analysis of functional MRI data • Jeffrey Morris (University of Texas MD Anderson Cancer Center, USA) Robust, adaptive, Bayesian functional response regression • Sudipto Banerjee (University of Minnesota, USA) Statistical inference on temporal gradients in regionally aggregated data Room B Invited session. S'Bayes: constructing and using subjective priors for Bayesian modelling Organizer: Kerrie Mengersen (Queensland University of Technology, Australia) Chair: Kerrie Mengersen (Queensland University of Technology, Australia) Speakers: • Michael Goldstein (University of Durham, UK) Subjective belief specification for complex physical models • Samantha Low-Choy (Queensland University of Technology, Australia) Strategies for aggregating multiple sources of subjective prior information in Bayesian analysis • Jeff Gill (Washington University, St. Louis, USA) Revealing latent clusters from Dirichlet process mixtures models using product partitions Discussant: Kerrie Mengersen (Queensland University of Technology, Australia)

#### Room C Invited session. Bayesian analysis of inverse problems

Organizer: Colin Fox (University of Otago, New Zealand)

Chair: Geoff Nicholls (University of Oxford, UK)

Speakers:

- Heikki Haario (Lappeenranta University of Technology, Finland) *State and parameter estimation of large models*
- Radu Herbei (Ohio State University, USA) Bayesian inverse problems via a Bernoulli factory
- Colin Fox (University of Otago, New Zealand) Polynomial accelerated Gibbs sampling for conductivity imaging, and other inverse problems

Discussant: J. Andrés Christen (CIMAT, Mexico)

#### Room D Special topic session. Applications of non- and semi-parametric Bayesian methods

Organizer: Fernando Quintana (Pontificia Universidad Católica de Chile, Chile)

Chair: Antonio Lijoi (University of Pavia, Italy)

Speakers:

- Raffaele Argiento (CNR-IMATI, Italy) A "density-based" algorithm for cluster analysis using Dirichlet process Gaussian mixture models
- Jim Griffin (University of Kent, UK) A Bayesian semiparametric model for yield curves
- Athanasios Kottas (University of California, Santa Cruz, USA) Nonparametric Bayesian analysis of developmental toxicity experiments with clustered discrete-continuous outcomes
- Fernando Quintana (Pontificia Universidad Católica de Chile, Chile) Cluster-specific variable selection for product partition models

### 12:30-14:00 Lunch

### 14:00–15:30 Keynote Lectures

Room A Chair: Fabrizio Ruggeri (CNR-IMATI, Italy)

#### Speakers:

- Arnaud Doucet (University of Oxford, UK) Bayesian inference for intractable state-space models
- Alan Gelfand (Duke University, USA)
   Demographic analysis of forest dynamics using stochastic integral projection models

## 15:30-16:00 Coffee break

- 16:00–17:30 *Room A:* General meeting
- 18:00-22:00 Banquet and Cabaret at Rhiga Royal Hotel
- 22:30-01:00 Afterparty at "Top of Kyoto" Rhiga Royal Hotel

## Poster presenters and titles

## Tuesday, June 26th

- Colin Aitken (University of Edinburgh, UK) The evaluation of evidence in forensic science for discrete data
- Lorraine Allchin (University of Oxford, UK) Bayesian machine learning methods for genome-wide association data
- Pierre Alquier (Université Paris 7 and CREST, France) PAC-Bayesian bounds for high-dimensionnal estimation
- Clair Alston (Queensland University of Technology, Australia) *PyMCMC — a new alternative in the implementation of MCMC*
- Osvaldo Anacleto (The Open University, UK)
   Dynamic graphical models for real-time multivariate road traffic flow forecasting
- Ioannis Andrianakis (National Oceanography Centre, UK) A Bayesian hierarchical model for the reconstruction of the sea level in the Mediterranean basin for the late 20th century
- Isadora Antoniano Villalobos (University of Kent, UK) A nonparametric regression model with normalized weights
- Julyan Arbel (CREST, Université Paris Dauphine, France) Multidimensional covariate dependent Dirichlet processes
- Raffaele Argiento (CNR-IMATI, Italy) Semi-Markov modelling of electricity co-generation in residential applications with time-dependent covariates
- Richard Arnold (Victoria University of Wellington, New Zealand) Multicomponent systems with dependent failures
- Christian Asseburg (ESiOR Oy, Finland) Estimating Weibull parameters from Kaplan-Meier curves
- Paul Baines (University of California, Davis, USA) Interwoven EM algorithms
- Roderick Ball (Scion New Zealand Forest Research Institute, New Zealand)
   Peeling and Bayesian QTL mapping for allo-polyploids
- Dipankar Bandyopadhyay (University of Minnesota, USA) Nonparametric spatial models for periodontal disease data with spatially-varying non-random missingness
- Anjishnu Banerjee (Duke University, USA) Infinite tensor factorization priors
- Lorna Barclay (University of Warwick, UK) Chain event graphs in Bayesian model selection for health studies
- Maria Asuncion Beamonte (Universidad de Zaragoza, Spain) A Bayesian geographically weighted regression model applied to real estate markets
- Candace Berrett (Brigham Young University, USA) Bayesian models for multicategory spatial data
- Fernando V. Bonassi (Duke University, USA) Mixture modeling strategies applied to approximate Bayesian computation
- Bjoern Bornkamp (Novartis Pharma AG, Switzerland) Approximating posterior densities by iterated Laplace approximations
- Luke Bornn (University of British Columbia, Canada) *The product graphical model*
- Lane Burgette (RAND Corporation, USA) Asset smoothing in the health and retirement study: a Bayesian nonparametric approach
- Ben Calderhead (University College London, UK) *Bayesian modelling of ion channels*
- Ewan Cameron (Queensland University of Technology, Australia) Approximate Bayesian computation for astronomical model analysis
- Antonio Canale (University of Torino, Italy)
   Bayesian multivariate mixed scale density estimation

- Francois Caron (Inria Bordeaux, France) Efficient Bayesian inference for (dynamic) generalized Bradley-Terry models
- Shu-Yu Chen (Feng Chia University, Taiwan) Bayesian testing unit roots versus threshold specifications
- Ting-Li Chen (Academia Sinica, Taiwan) Locally optimal MCMC sampling
- Delson Chikobvu (University of Free State, South Africa) Winter peak electricity load forecasting in South Africa using extreme value theory with a Bayesian flavour
- Sam Clifford (Queensland University of Technology, Australia) Bayesian spatio-temporal modelling of ultrafine particle number concentration from a panel design
- David Conesa (University of Valencia, Spain) Assessing the spatial distribution of species using Bayesian latent Gaussian models
- Forrest Crawford (University of California, Los Angeles, USA) *Birth-death regression*
- Madeleine Cule (University of Oxford, UK) Modelling the transmission of Clostridium difficile in hospitals
- Jonathan Cumming (Durham University, UK) Emulating expensive decision choices with application to computer models of complex physical systems
- Gabriela Cybis (University of California, Los Angeles, USA) Bayesian nonparametric clustering in phylogenetics: modeling antigenic evolution in influenza
- David Dahl (Texas A&M University, USA) Cluster analysis via random partition distributions
- Moumita Das (Indian Statistical Institute, India) *Transformation based reversible jump MCMC*
- Maria De Iorio (University College London, UK) Inference on population structure using random partition models
- Haydar Demirhan (Hacettepe University, Turkey) Forecasting election results via the sequential nature of Bayes' theorem and an application to the Turkish general elections
- Sophie Donnet (Université Paris Dauphine, France)
   Bayesian estimation for partially observed multiplicative intensity Poisson processes
- Oya Ekici (Duke University, USA) Estimation of short term private external debt of turkey within the DLM framework
- Tarek El Moselhy (Massachusetts Institute of Technology, USA) *Bayesian inference with optimal maps*
- Katie Evans (University of Rochester, USA) Outlier identification for model-based clustering: an application to the Seychelles child development and nutrition study
- Christopher Eves (University of Kent, UK) An industrial application of Bayesian statistics
- Mariel Finucane (Harvard University, USA) Semiparametric estimation of population-level distributions of nutritional markers using disparate data sources
- Chiara Franco (University of Essex, UK) Modelling the dynamics of CaCO3 budgets in a changing environment using a Bayesian belief network approach
- Kassie Fronczyk (University of Texas MD Anderson Cancer Center, USA) A nonparametric Bayesian approach to the analysis of bioassay experiments with ordinal responses
- Kenji Fukumizu (Institute of Statistical Mathematics, Japan) *Kernel Bayes' rule and its applications*
- Agnes Fussl (Johannes Kepler University of Linz, Austria)
   Efficient MCMC methods for estimating binomial logit models
- Chris Gamble (University of Oxford, UK)
   A Bayesian approach to detecting signals of recent natural selection in large scale phased haplotype data
   Comparison Check (Darks University UCA)
- Souparno Ghosh (Duke University, USA) Ontogenetic niche shifts among plant species of eastern United States
- Robert Gramacy (University of Chicago Booth School of Business, USA) *A regression-adjusted Hockey plus-minus Metric*

- Carolina Granado (Venezuelan Foundation for Seismological Research, Venezuela) Application of Bayes' theorem to study seismic events and active faults in Venezuela
- Thiago Guerrera (Norwegian University of Science and Technology, Norway) Fast Bayesian approximate inference in near-Gaussian latent models
- Gilles Guillot (Technical University of Denmark, Denmark) Integrating phenotypic, genetic and geographic data in the analysis of population structure
- Jan Hannig (University of North Carolina at Chapel Hill, USA) Model penalized inference
- Yuning He (University of California, Santa Cruz, USA) Predicting variable-length functional outputs for emulation of a NASA flight simulator
- Charles Hogg (National Institute of Standards and Technology, USA) Geometry-based hyperpriors for nonstationary lengthscales
- Hwanhee Hong (University of Minnesota, USA) Hierarchical Bayesian methods for combining efficacy and safety in multiple treatment comparisons
- Ibuki Hoshina (Chuo University, Japan) Algorithm for constructing sparse regression models via Bayesian lasso
- Reza Hosseini (University of Southern California, USA) Modeling air pollution mixtures in Southern California
- Leanna House (Virginia Tech, USA) Revolutionizing the education of data analytics using Bayesian interactive visualizations
- Yung-Hsiang Huang (National Taiwan University, Taiwan)
- A marker-set approach using Bayesian regression model with regularization for family association studies
- John Hughes (University of Minnesota, USA) Dimension reduction and alleviation of confounding for spatial generalized linear mixed models
- Francesca Ieva (Politecnico di Milano, Italy) Semiparametric Bayesian modelling for the classification of patients with observed high survival probability
- Kaoru Irie (University of Tokyo, Japan) Nonparametric stochastic volatility: mixture approach
- Irina Irincheeva (Duke University, USA) Bayesian additive latent variable models for multivariate densities
- Tsukasa Ishigaki (Tohoku University, Japan) Toward large-scale customer analysis in the framework of random utility model
- Tsunehiro Ishihara (Hitotsubashi University, Japan) Multivariate realized stochastic volatility model with leverage
- Väinö Jääskinen (University of Helsinki, Finland) Learning of sequence data by compression with sparse Markov Chains
- Teresa Jacobson (University of California, Santa Cruz, USA) Gaussian process transfer function models for discretely sampled but continuous time series
- Shane Jensen (University of Pennsylvania, USA) A level-set hit-and-run sampler for quasi-concave distributions
- Seongil Jo (Seoul National University, Korea) Nonparametric Bayesian modeling for spatially smooth density estimation
- Alicia Johnson (Macalester College, USA) Convergence rates among component-wise MCMC algorithms for Bayesian inference
- Ian Johnston (Boston University, USA) Graph-regularized centroid estimation on a hierarchical Bayesian model for genome-wide association studies
- Edmund Jones (University of Bristol, UK)
   Efficient searching in tree and forest graphical models
- Anthony Quinn (Trinity College Dublin, Ireland) Bayesian inference with hard parameter constraints
- Erik Vanem (University of Oslo, Norway) Bayesian hierarchical space-time models for the North Atlantic ocean wave climate

## Wednesday, June 27th

- Satoshi Kabe (University of Tsukuba, Japan) Estimating the Markov switching almost ideal demand system: a Bayesian approach
- Kengo Kamatani (Osaka University, Japan) Asymptotic properties of Monte Carlo strategies for cumulative link model
- Su Yun Kang (Queensland University of Technology, Australia) Bayesian hierarchical models for analyzing spatial point-based data at a grid level: a comparison of approaches
- George Karabatsos (University of Illinois-Chicago, USA)
   A Bayesian unimodal density regression model, with applications
- Gregor Kastner (Vienna University of Economics and Business, Austria) Efficient Bayesian inference for multivariate factor stochastic volatility (SV) models
- Kentaro Kato (Center for Research on Educational Testing, Japan)
- Assessing prior distributions for the item parameters in the two-parameter logistic IRT model • Hiroaki Katsura (Keio University, Japan)
- Parallel particle learning for Bayesian asset price prediction
- Peter Kecskemethy (University of Oxford, UK) Genome-wide structural variation analysis
- Khaled Khatab (RWTH Aachen University, Germany) Application of Bayesian approach on the child's health problems
- Bartek Knapik (VU University Amsterdam, Netherlands) Semiparametric posterior limits under local asymptotic exponentiality
- Genya Kobayashi (Kobe University, Japan) Stable priors for linear regression model
- Daiki Koizumi (Cyber University, Japan) On the loss functions of Bayesian forecasting for WWW traffic based on time varying Poisson distribution
- Michalis Kolossiatis (Cyprus University of Technology, Cyprus) Comparing distributions using dependent normalized random measure mixtures
- Tsuyoshi Kunihama (Duke University, USA) Bayesian modeling of temporal dependence in large sparse contingency tables
- Yuta Kurose (University of Tokyo, Japan) Dynamic equicorrelation stochastic volatility
- Tristan Launay (Université de Nantes, France) Construction of an informative hierarchical prior distribution for electricity load forecasting
- Dominic Lee (University of Canterbury, New Zealand) *Bayesian vertex nomination*
- Kate Lee (Auckland University of Technology, New Zealand) Threshold selection method for modelling multivariate extremes using a Bayesian measure of surprise
- Min Lee (University of Southampton, UK) Multiply imputing missing values in data sets with mixed measurement scales using a sequence of generalized linear models
- Thomas Leininger (Duke University, USA) Quadratic scaling models for spatial compositional data with application to forest fragmentation and land use/land cover classification
- Maxime Lenormand (IRSTEA, France) Adaptive approximate Bayesian computation for complex models
- Feng Li (Stockholm University, Sweden) Efficient Bayesian multivariate surface regression
- Guangquan Li (Imperial College London, UK) Bayesian methods for subnational mortality forecasts
- Li-Jung Liang (University of California, Los Angeles, USA) Longitudinal actor-partner interdependence models for studies on HIV-impacted families
- Merrill Liechty (Drexel University, USA) Revealed preferences for portfolio selection — does skewness matter?
- Chien-Hua Lin (Providence University, Taiwan) A study of feedforward and feedback EWMA controller for multistage processes

- Edward M. H. Lin (Feng Chia University, Taiwan) Bayesian estimation of smoothly mixing time-varying parameter GARCH models
- Pei-Chun Lin (National Cheng Kung University, Taiwan) Ticket vending service and customer waiting: evidence from Taiwan high speed rail system
- Tanzy Love (University of Rochester, USA) Effect modification using latent mixture analysis
- Li Ma (Duke University, USA) Bayesian recursive model selection
- Steven MacEachern (Ohio State University, USA) Clustered Bayesian model averaging
- Ying MacNab (University of British Columbia, Canada) Bayesian disease mapping with sparse data and smoothing — Poisson or zero-inflated Poisson?
- Tiep Mai (Trinity College Dublin, Ireland) Short term traffic flow forecasting with spatial temporal model
- Himel Mallick (University of Alabama at Birmingham, USA)
   A new Bayesian LASSO
- Juan Carlos Martínez-Ovando (Banco de México, Mexico) On marked duration models and the study of price setting strategies
- Yuzo Maruyama (University of Tokyo, Japan) Robust Bayesian variable selection with sub-harmonic priors
- Samira Masoumi (University of Waterloo, Canada) A Bayesian sequential approach in model discrimination
- Kazuki Matsuda (Chuo University, Japan) Nonlinear statistical modeling via the relevance vector machine and its application to change point analysis
- Takeshi Matsuda (Cyber University, Japan) Predictive distribution of SQL injection attacks detection model
- Clare McGrory (University of Queensland, Australia) Fast approximate inference for Bayesian mixture models with application to volume estimation of tissue types from computed tomography
- Zairul Nor Deana Md Desa (University of Kansas and Universiti Teknologi Malaysia, USA) Gibss sampling estimation method for subscores estimation using bi-factor multidimensional item response theory
- Hsin-Chao Mi (National Tsing Hua University, Taiwan) Stability analysis of the EWMA controller for mixed-product processes
- Minna Miettinen (University of Helsinki, Finland) Bayesian methods for modeling phenotypic time-series and whole-genome sequence data for bacteria
- Masaki Misonou (Keio University, Japan) Redefining the momentum strategy: a Bayesian approach
- Shakir Mohamed (University of British Columbia, Canada) Large-scale approximate Bayesian inference for exponential family latent Gaussian models
- Silvia Montagna (Duke University, USA) Bayesian latent factor regression for functional and longitudinal data
- Paul J. Mostert (University of Stellenbosch, South Africa)
   A Bayes analysis of the censored Rayleigh model when using a generalised hypergeometric as a prior
- Alexis Muir Watt (University of Oxford, UK) Monte Carlo inference for partial orders
- Sabyasachi Mukhopadhyay (Indian Statistical Institute, India) An improved Bayesian semiparametric model for palaeoclimate reconstruction
- Jared Murray (Duke University, USA) Joint stochastic blockmodeling of attributed random graphs
- Sungmin Myoung (Jungwon University, South Korea) Mixture of component models for hidden stratification in repeated measures data
- Haruhisa Nagata (Tokyo Institute of Technology, Japan)
   Bayesian posterior probability computation of identified network communities by bootstrap resampling
- Kenji Nagata (University of Tokyo, Japan) Analysis of acceptance rate for Metropolis algorithm and relationship between Bayesian learning

- Yuji Nakayama (Osaka Prefecture University, Japan) A Bayesian econometric analysis of auction under variable reserve price and unknown number of potential bidders
- Consuelo R. Nava (University of Torino, Italy) Bayesian construction and estimation of GIG stationary models
- Maxim Nazarov (Bocconi University, Italy) Functional representation of Markov exchangeable sequences
- Abdoul Aziz Junior Ndoye (GREQAM, AMSE, France) Bayesian unconditional quantile regression: An analysis of recent expansions in wage structure and earnings inequality in the U.S. 1992-2009
- Ronald Neath (Hunter College, City University of New York, USA) Regenerative simulation for Metropolised Gibbs samplers
- Bernardo Nipoti (University of Texas MD Anderson Cancer Center, USA) A Bayesian semi-parametric model for covariate dependent survival data
- Haruhisa Nishino (Chiba University, Japan) Bayesian estimation of income distribution using grouped data
- Hidehisa Noguchi (Tokyo University of Science, Japan) Bayesian Lasso for screening experiments
- Hisashi Noma (Kyoto University School of Public Health, Japan) The optimal discovery procedure in multiple significance testing: an empirical Bayes approach
- Didit Budi Nugroho (Kwansei Gakuin University, Japan) Parameter estimation in LNSV models: griddy Gibbs versus Metropolis-Hastings
- Takashi Oga (Chiba University, Japan) Sampling EGARCH parameters
- Cheongeun Oh (New York University, USA) Bayesian inference of associations and SNP-environment interactions for GWAS-identified RA risk alleles with risk of infection via perfect sampling scheme
- Man-Suk Oh (Ewha Womans University, Korea) Bayesian multiple comparison of models for binary data with inequality constraints
- Kensuke Okada (Senshu University, Japan) Bayesian model averaging in factor analysis to estimate factor reliability
- Thais Paiva (Duke University, USA) Imputation of confidential datasets with spatial locations using point process models
- Julia Palacios (University of Washington, USA) Gaussian process-based estimation of population size trajectories from gene sequence data. A phylodynamic approach
- Anastasios Panagiotelis (Monash University, Australia)
   Bayesian estimation and model selection for high dimensional copula models
- Georgios Papageorgiou (Imperial College London, UK)
   Bayesian nonparametric spatial modeling with applications in environmental epidemiology
- Justinas Pelenis (Institute for Advanced Studies, Vienna, Austria) Bayesian semiparametric regression
- Stefano Peluso (Università della Svizzera Italiana, Switzerland) Estimation of the multivariate covariance of noisy and asynchronous returns
- Chien-Yu Peng (Academia Sinica, Taiwan) Optimal classification policy for highly reliable products
- Johan Pensar (Åbo Akademi University, Finland) Context specific graphical models
- Alberto Pessia (University of Helsinki, Finland) Bayesian bidirectional clustering method for detection of gene loss and acquisition processes
- Matti Pirinen (University of Oxford, UK) Modeling heterogeneity in genotype-phenotype associations
- Dale Poirier (University of California, Irvine, USA) Multivariate versus multinomial probit: when are binary decisions made separately also jointly optimal?
- Wolfgang Polasek (Institute for Advanced Studies, Vienna, Austria) MCMC estimation for the extended Hodrick-Prescott (eHP) filter

- Alexandra Posekany (Vienna University of Economics and Business, Austria) Robust microarray analysis with mixtures of Gaussians and heavy-tailed student's t distributions
- Benedict Powell (Durham University, UK) Calibrated smoothing: sharing structure between computer simulations and historical data

## Thursday, June 28th

- Sarah Filippi (Imperial College London, UK) Rational threshold schemes for approximate Bayesian computation via unscented transforms
- Paul Kirk (University of Warwick, UK) MDI: a method for integrative modeling of multiple functional genomics datasets
- Aurore Lavigne (UMR 518 AgroParisTech/INRA, France) Spatio-temporal modeling of avalanche frequencies in the French Alps
- Leslie Pibouleau (INSERM UMR 717 and Université Paris 7, France) Bayesian hierarchical meta-analysis model for medical device evaluation
- Vinayak Rao (University College London, UK) MCMC for continuous-time discrete-state systems: beyond uniformization
- Lizanne Raubenheimer (Rhodes University, South Africa) Bayesian inference on nonlinear functions of Poisson rates
- Perla Reyes (University of California, Santa Cruz, USA) Analysis of collaboration networks: elucidating firms relationships
- Vincent Rivoirard (Université Paris Dauphine, France) Bernstein-von Mises theorem for linear functionals of the density
- Josemar Rodrigues (Federal University of São Carlos, Brazil) A Bayesian correlated cure rate model under a hybrid latent activation schemes
- Judith Rousseau (ENSAE-CREST and Université Paris Dauphine, France) Asymptotic properties of the posterior distributions for HMMs with applications to the selection of the prior
- Vivekananda Roy (Iowa State University, USA)
   Estimating link function parameters in robust Bayesian binary regression
- Elizabeth Ryan (Queensland University of Technology, Australia) Optimal sampling times for high dimensional pharmacokinetic studies
- Robin Ryder (CEREMADE, Université Paris Dauphine, France) The Wang-Landau algorithm reaches the flat histogram criterion in finite time
- Gustaf Rydevik (University of York, UK) Can you hindcast the epidemic curve of an infectious disease
- Daniel Sabanés Bové (University of Zurich, Switzerland)
   Mixtures of g-priors for objective Bayes selection of generalized additive models
- Gen Sakurai (National Institute for Agro-Environmental Sciences, Japan) Application of Bayesian method for estimating past effect of climate change on crop production
- Tim Salimans (Erasmus University Rotterdam, Netherlands) Automated structured variational Bayes by stochastic natural gradient descent
- Jean Bernard Salomond (ENSAE-CREST and Université Paris Dauphine, France) Bayes test for monotonicity
- Christian Schäfer (ENSAE-CREST, CEREMADE and Université Paris Dauphine, France) Parallelized sequential Monte Carlo for large scale Bayesian variable selection
- Susanne Schmitz (Trinity College Dublin, Ireland) Bayesian MTC models to combine evidence from different sources of evidence. An application in rheumatoid arthritis
- Paulo Serra (Technical University of Eindhoven, Netherlands)
   Posterior contraction rates in estimating holder smooth Poisson intensities
- Hidetoshi Shimodaira (Tokyo Institute of Technology, Japan) An MCMC method for estimating the rate of preferential attachment in growing networks with missing timelines
  Shinichiro Shirota (University of Tokyo, Japan)
- Shinichiro Shirota (University of Tokyo, Japan) Realized stochastic volatility with leverage and long memory

- Isabelle Smith (Laboratoire des Sciences du Climat et de l'Environnement, France) Generalization of the posterior distribution of the likelihood ratio to composite vs composite hypotheses testing
- Theresa Smith (University of Washington, USA) Bayesian inference for small area health data using the G-Wishart prior
- Reza Solgi (University of Lugano, Switzerland)
   A Bayesian semiparametric multiplicative error model
- Hiroko Solvang (Oslo University Hospital, Norway)
   Identification of Bayesian causal association models for investigation among gene expression, genotype variation and fatigue of breast cancer
- Michio Sonoda (Cyber University, Japan) Markov chain Monte Carlo method simulation of SQL injection attack detection
- Alberto Sorrentino (University of Warwick, UK) Particle filtering for estimation of stationary dipoles in magnetoencephalogaphy
- Polina Sporysheva (Bocconi University, Italy)
   Bivariate species sampling models
- Rebecca Steorts (University of Florida, USA) On estimation of mean squared errors of benchmarked empirical Bayes estimators
- Shinya Sugawara (University of Tokyo, Japan)
   Nonparametric analysis of a price mechanism of the Japanese private nursing home market via Polya tree mixture for a simultaneous model of demand
- Botond Szabo (Technical University of Eindhoven, Netherlands) Exploring the asymptotic behaviour of empirical Bayes procedures
- Ryota Takada (Keio University, Japan) Spatial interdependence of fiscal efficiency among Japanese local governments
- Fuyuhiko Tanaka (University of Tokyo, Japan) Minimax Bayesian predictive density operator
- Rusty Tchernis (Georgia State University, USA) Modeling area-level health rankings
- Satoshi Teramukai (Kyoto University Hospital, Japan) A Bayesian predictive sample size selection design for single-arm exploratory clinical trials
- Maria Terres (Duke University, USA) Analyzing first flowering event data using survival models with spatio-temporal covariates
- Thomas Thorne (Imperial College London, UK) Interaction networks changing with time
- Adrien Todeschini (Inria Bordeaux, France) BiiPS: A software for inference in Bayesian graphical models with sequential Monte Carlo methods
- Minh Ngoc Tran (University of New South Wales, Australia) Model selection for regression density estimation with mixtures of heteroscedastic experts
- Sofia Tsepletidou (Université Paris Dauphine, France) Computational Bayesian tools for modeling the aging process
- Hiroki Tsurumi (Rutgers University, USA) Comparing three MCMC algorithms: probability integral transformation, griddy Gibbs, and random walk draws
- Catalina Vallejos (University of Warwick, UK) Robust Bayesian methods for survival analysis
- Raquel Vasquez (Venezuelan Foundation for Seismological Research, Venezuela) Bayesian estimation of the spatial variation of the completeness magnitude for the Venezuelan seismic catalogue
- Ian Vernon (Durham University, UK) Emulation and efficient history matching of stochastic systems biology models
- Cristiano Villa (University of Kent, UK) An objective prior for the number of trials in a binomial distribution
- Sara Wade (Bocconi University, Italy) More informative density regression with multivariate covariates
- Charlotte Wang (National Taiwan University, Taiwan) SNP-set association test with Hamming distance

- Fangpo Wang (Duke University, USA) Analyzing spatial directional data using projected Gaussian processes
- Shi-Heng Wang (National Taiwan University, Taiwan) A Bayesian hierarchical model for family association studies with rare CNV variants
- Wenyi Wang (University of Texas MD Anderson Cancer Center, USA) Analysis of differential gene expression in heterogeneous tumor samples
- Xue Wang (University of Kent, UK) Bayesian nonparametric estimation of a copula
- Bertil Wegmann (Linköping University, Sweden) Bayesian inference in structural second-price auctions with both private-value and common-value bidders
- Chi-Chung Wen (Tamkang University, Taiwan) Bayesian analysis of current status data with missing covariates
- Nuttanan Wichitaksorn (University of Sydney, Australia) Efficient MCMC estimation of some elliptical copula regression models through scale mixture of normal
- Daniel Williamson (Durham University, UK) What is the value of longer AMOC observations?
- Amy Wilson (University of Edinburgh, UK) The evaluation of evidence relating to traces of drugs on banknotes
- Jesse Windle (University of Texas at Austin, USA) Forecasting high-dimensional, time-varying covariance matrices: factor stochastic volatility vs. realized covariances
- Tomasz Wozniak (University of Melbourne, Australia) Granger causal analysis of VARMA GARCH models
- Chieh-Hsi Wu (University of Auckland, New Zealand) Joint inference of microsatellite mutation models, population history and genealogies using transdimensional Markov chain Monte Carlo
- Yuefeng Wu (University of California, Santa Cruz, USA) *Consistency of stochastic blockmodels*
- Yuh-Jenn Wu (Chung Yuan Christian University, Taiwan) Robustness of prior information to the predictive power
- Jie Xiong (University of Helsinki, Finland) Predictive sequential classification
- Masanao Yajima (University of California, Los Angeles, USA) Differential patterns of interaction and Gaussian graphical models
- Yohei Yamamoto (University of Alberta, Canada) *Time instability of the U.S. monetary system: multiple break tests and reduced rank TVP VAR*
- Jin Yan (University of Maryland, College Park, USA) Hidden Markov model and reversible jump algorithm for the analysis of areas of interest from eye tracking data
- Takemi Yanagimoto (Chuo University, Japan) Permissive boundary prior function as a virtually proper prior density
- Jae Ho Yoon (POSCO Research Institute, Korea) Instrumental variables estimation of a flexible nonlinear model
- Hideo Yunoue (Chiba University, Japan) Spatial patterns of flypaper effects for local expenditure by policy objective in Japan: a Bayesian approach
- Zamira Zamzuri (Macquarie University, Australia) Spatio temporal model for multivariate traffic accident count data
- Mahmoud Zarepour (University of Ottawa, Canada) The interplay of frequentist and Bayesian nonparametric Statistics
- Jing Zhou (University of North Carolina at Chapel Hill, USA) Nonparametric Bayes methods for estimation in high-dimensional contingency tables