

TUESDAY

		CCU UADY			Gamma Mérida El Castellano Hotel			
		Auditorium	Hall 1	Hall 2	Hall 3	Hall 1	Hall 2	Hall 3
8:30	Course, Sudipto Banerjee, University of California Los Angeles, US, Hierarchical Bayesian Modeling and Analysis for Spatial BIG Data	CS, María Emilia Caballero & Adrián González Casanova (IMUNAM, MX), <i>Stochastic analysis and biological models</i> T1, Maite Wilke Berenguer, (TU Bochum, DE), <i>Applications of a Griffiths-type generator representation</i>	CT, Gabriel Berzunza (Uppsala University, SE) <i>K-cut on Galton-Watson trees</i>	CS, María Clara Fittipaldi (FC-UNAM, MX), <i>Propagation of Chaos</i> T1, Joaquin Fontbona (Universidad de Chile, CL), <i>Quantitative propagation of chaos for generalized Kac particle systems</i>	TS, Héctor Jasso (CONVESTAV, MX), <i>Stochastic control and applications</i> T1, Tomás Prieto-Rumeau (Universidad Nacional de Educación a Distancia, ES), <i>Numerical approximations for continuous-time average Markov decision processes</i>	CS, Victor Pérez - Abreu (Instituto Politécnico Nacional, MX) <i>Free Probability</i> T1, Takahiro Hasebe (Hokkaido University, JP), <i>Unimodal distributions in free probability</i>	TS Christina Goldschmidt (Oxford University), UK, <i>Random discrete structures and statistical mechanics</i> T1, Louigi Addario-Berry (McGill University, CA), <i>Hijster random walks</i>	
9:00		T2, Fernando Cordero (Uni Bielefeld), <i>General selection models: Bernstein duality and (minimal) ancestral structures</i>	CT, Haruyoshi Tanaka (Wakayama Medical University, JP) <i>Perturbed finite-state Markov systems with holes and Perron complements of Ruelle operators</i>	T2, Roberto A. Cortez Milán, (Universidad Andrés Bello, CL), <i>Quantitative uniform propagation of chaos for Maxwell molecules</i>	T2, Richard Stockbridge (University of Wisconsin, US), <i>On the Modelling of Uncertain Impulse Control for Continuous Markov Processes</i>	T2, Jacek Wesolowski (Warsaw Polytechnic, PL), <i>Conditional expectations through Boolean cumulants and subordination - towards a better understanding of the Lukacs property in free probability</i>	T2, Omer Angel (University of British Columbia, CA), <i>Random graphs on the circle</i>	
9:30	Course, Sudipto Banerjee, University of California Los Angeles, US, Hierarchical Bayesian Modeling and Analysis for Spatial BIG Data	T3, Jason Schweinsberg (UCSD, San Diego, US), <i>Branching Brownian motion and populations undergoing selection</i>	CT, Héctor Olivero Quinteros (Universidad de Valparaíso, CL), <i>An Euler Scheme for a system of Piecewise Deterministic Markov Processes under mean field interaction</i>	T3, Matthieu Jonckheere (Universidad de Buenos Aires - CONICET, AR), <i>Convergence properties of many parallel servers under power-of-D load balancing</i>	T3, George Yin, Wayne State University, US, <i>Switching Diffusions with Mean-Field Interactions</i>	T3, J. C. Wang (University of Saskatchewan, CA), <i>Extreme values in free probability</i>	T3, Will Perkins (University of Illinois at Chicago, US), <i>Algorithms at Low Temperatures</i>	
10:00		T4, Emmanuel Schertzer, (Paris 6, FR), <i>Nested Coalescents and transport-coagulation PDE</i>	CT, Héliane Guérin (Université du Québec à Montréal, CA), <i>Longtime behavior of Zigzag processes in interaction</i>	T4, Pablo Groisman (Universidad de Buenos Aires, AR), <i>Fleming-Viot selects the minimal quasi-stationary distribution: The Galton-Watson case</i>	T4, Erick Treviño (MATE-UNAM, MX), <i>Long term investment</i>	T4, Steen Thorbjarnsen (Aarhus University, DK), <i>On Lévy bases in free probability</i>	T4, Kavita Ramanan (Brown University, US), <i>Local Dynamics of Interacting Particle Systems on Large Sparse Graphs</i>	
10:30 - 11:00	Coffee break (both venues)							
11:00	SPT, Chris Holmes (University of Oxford, UK) <i>Bayesian nonparametric learning through randomized loss functions</i>							
12:00	PT, Gerard Ben Arous (Courant Institute, USA) <i>"Kac-Rice in very high dimensions: from physics to high dimensional statistics and machine learning..."</i>							
13:00 - 14:30	Lunch							
14:30	Course, Sudipto Banerjee, University of California Los Angeles, US, Hierarchical Bayesian Modeling and Analysis for Spatial BIG Data	TS, Igor Pruenster (Bocconi University, IT), <i>Recent advances in Bayesian Nonparametrics</i> T1, Long Nguyen (University of Michigan, US), <i>Posterior contraction for mixtures of product distributions</i>	CS, Adriana Ochoa (University of North Carolina at Charlotte, US), <i>Finance and Actuarial Science</i> T1, Marcos Escobar-Arañ (Western University,) <i>Recent advances in constrained portfolio optimization with applications to banking and insurance</i>	CT, Sarai Hernández Torres (University of British Columbia, CA), <i>Scaling limits of uniform spanning trees in three dimensions</i>	CS, Alejandra Fonseca Morales (UNAM, MX), <i>Workshop on Stochastic Control and Games I</i> T1, Alejandra Fonseca Morales (UNAM, MX), <i>Some results on potential games</i>	CS, Sandra Palau (IMAS-UNAM, MX), <i>Branching structures</i> T1, Santiago Saglietti (Israel Institute of Technology, IL), <i>A Strong Law of Large Numbers for Super-critical Branching Brownian Motion with Absorption</i>	CS, Hye-Won Kang; Wasur R. KhudaBukhsh (University of Maryland at Baltimore County, US); (The Ohio State University, US), <i>Asymptotic and multiscale analysis of Stochastic biological systems</i> T1, Arnab Ganguly (Louisiana State University, US), <i>Large deviations for fully-coupled switching diffusion systems</i>	
15:00		T2, Pierpaolo De Biasi (University of Torino, IT), <i>epsilon-Approximation to the Pitman-Yor process</i>	T2, Hussein Nasrallah (Worcester Polytechnic Institute, USA) <i>Portfolio optimization for small time horizons</i>	CT, Manuel González-Navarrete (Universidad del Bío-Bío, CL), <i>Lack of phase transitions in staggered magnetic systems. A comparison of uniqueness criteria</i>	T3, Carmen Geraldí Higuera Chan (Universidad de Sonora, MX), <i>The Mitra-Won forestry model analyzed under a mean field optimal control problem</i>	T2, María Clara Fittipaldi (UNAM, MX), <i>Quasi-Stationary Distribution for the discrete-state continuous-time branching process with logistic growth</i>	T2, John Fricks (Arizona State University, US), <i>Integrating nanoscale kinetics into motor-cargo transport systems using semi-Markov processes</i>	
15:30		T3, Andrés Felipe Barrientos (Duke University, US), <i>Bayesian inferences on uncertain ranks and orderings</i>	T3, Anne Mackay (Université du Québec à Montréal, CA), <i>Simulating Heston using explicit weak solutions</i>	CT, Andrés Iturraga (Universidad de Chile, CL), <i>On dependent Dirichlet processes for general Polish spaces</i>	T4, Saúl Mendoza Palacios (Colegio de México, MX), <i>Optimal transport and one-side matching games</i>	T3, Simon Harris (University of Auckland, New Zealand), <i>Geneologies of samples from Galton-Watson processes</i>	T3, Daniel Linder (Augusta University, US), <i>Statistical inference in stochastic reaction networks</i>	
16:00		T4, Marta Catalano (Bocconi University, IT), <i>Measures of Dependence in Bayesian Nonparametrics</i>	T4, Jean-Francois Babin (Simon Fraser University), <i>Economic scenario generator and parameter uncertainty: a Bayesian framework</i>	CT, María Fernanda Gil Leyva Villa (IMAS-UNAM, MX), <i>Random probability measures based on Beta Markov processes</i>	T4, Janos Engländer (University of Colorado, US), <i>Superdiffusions with super-exponential growth</i>	T4, Wasur R. KhudaBukhsh (The Ohio State University, US) <i>Survival dynamical systems for the population-level analysis of epidemics</i>		
16:30 - 17:00	Coffee break (both venues)							
17:00	SPT, Jean Michel Marin (Universidad de Montpellier, FR), <i>Bayesian model choice as a classification problem</i>							
18:00	Posters Session* (Auditorium's Lobby)							
	* Poster Session							
	PS1, Jennifer Acuña Laríos (Universidad de Costa Rica, CR)	Random walk in a random environment						
	PS2, Rosângela Assumpção (Universidade Tecnológica Federal do Paraná - UTFPR, BR)	Influence diagnostics in parameterized linear spatial models						
	PS3, José Betancourt (Institut de Mathématiques de Toulouse, FR)	Kriging metamodeling of functional-inputs computer code for coastal flooding hazard assessment						
	PS4, Karen Alejandra Bojacá Sánchez (University Santo Tomás, CO)	Correlation between pairs of point patterns in a Cox process						
	PS5, Michel Cordoba-Perozo (Colombian Institute for Education Assessment, CO)	IRT modelling and Levenshtein distance use for detecting wrong linkage between longitudinal survey's registers: a large scale...						
	PS6, Fermín Eduardo Cardos Vera (Universidad Autónoma de Yucatán, MX)	Phase type fitting of scale functions via the EM algorithm						
	PS7, Elisa Cazelles (Centro de Modelamiento Matemático, Universidad de Chile, CL)	The Wasserstein-Fourier Distance for Time Series						
	PS8, Alejandra Christen (Pontificia Universidad Católica de Valparaíso, CL)	Asymptotic behavior of a stochastic epidemic model SI with linear transmission rate						
	PS9, Arriago Coen Coria (FC-UNAM, MX)	Multiple changepoint detection in a nonhomogeneous Poisson Process via genetic algorithms						
	PS10, Isabel Cristina García Arboleda (Pontificia Universidad Javeriana, CO)	Change point detection in mean of short memory process						
	PS11, Ana Gómez (University Escuela Colombiana de Ingeniería Julio Garavito)	Approach to Metaheuristic algorithms, applying Machine Learning techniques for the analysis of time series						
	PS12, José Benito Hernández C (CIMAT-Monterrey, MX)	Implementation of neural networks in time series to generate a portfolio of investment in cryptocurrencies						
	PS13, Adrián Hinojosa (Federal University of Minas Gerais, BR)	Exit time for a reaction diffusion model: Case of a one well potential						
	PS14, Lorena León Velasco (ORAD and Université de Montpellier, FR)	Partitioned conditional generalized linear models for analyzing rice diversity						
	PS15, Alejandro Lopera (Statistician and marketing analyst, CO)	Analysis of scattered functional data for electromyographic signals						
	PS16, Humberto Martínez-Bautista (CIMAT, Aguascalientes, MX)	The extreme values approach is useful to demonstrate trends of tree-ring width series of Douglas-fir (<i>Pseudotsuga menziesii</i>) regionally						
	PS17, Blanca Xóchitl Muñoz Vargas (Benemérita Universidad Autónoma de Puebla, MX)	A study of the dropout in the degrees of the FCM-BUAP through the Survival Analysis						
	PS18, Silvia María Ojeda (FaMAF-Universidad Nacional de Córdoba, AR)	On similarity and edge detection in images processing						
	PS19, Luciana Pagliosa Carvalho (Western Paraná State University, BR)	Multivariate and circular analyzes to classify two crop years of soybean yield regarding agrometeorological informations						
	PS20, Luciana Pagliosa Carvalho (Western Paraná State University, BR)	Management zones using a priori information						
	PS21, Rafael A. Pérez Abreu C (CIMAT, Aguascalientes, MX)	Prediction of shrimp size distribution reared inside submersible sea cages						
	PS22, Tania Roa (Universidad de Valparaíso, CL)	Parameter estimation for random sampled regression model with long memory noise						
	PS23, Luisa Rodríguez (Satec Tomas University, CO)	Multinomial logistic regression to areal data						
	PS24, Helvar Yasid Rodríguez Pinzón (Universidad de Santo Tomás, CO)	Cointegrated panel data model for per capita gross domestic product and electric power consumption of 11 South American countries						
	PS27, Miguel Ángel Uribe Opazo (Universidad Estadual do Oeste do Paraná, BR)	Reparameterized t-student spatial modelling and diagnostics applied to soybean productivity data						
	PS28, Margoth Adriana Valdivieso Miranda (Universidad Pedagógica y Tecnológica de Colombia, CO)	Probability measures, strategy for teaching						
	PS29, Semra Günay Akta (Anadolu University, Eskisehir, TR)	Spatial analysis of satisfaction of Asian Airport						
	PS30, Jonas Arista (University College Dublin, IE)	Loop-erased random walks and random matrices						