

## Workshop Stochastic processes and ergodic theory (SPET)

Wednesday, Nov 6th

### Parallel session W1: Scaling limits of random processes and structures

**Organizers:** Joaquin Fontbona

**Chair:** Joaquin Fontbona

11h00-11h30	Thierry Huillet	U. Cergy-Pontoise, France	Scaling features of two Markov chains with total disasters
11h30-12h00	Jean-Stephane Dhersin	CNRS, France	Cost functionals for large random trees
12h00-12h30	Hagop Tossounian	UCH, Chile	Kac's Model with thermostats and rescaling

### Parallel session W2: Ergodic Theory and Dynamical Systems I

**Organizers:** Sebastián Donoso

**Chair:** Sebastián Donoso

14h00-14h30	Jairo Bochi	PUC, Chile	Emergences in Ergodic Theory
14h30-15h00	Yuri Lima	U. Federal do Ceará	Markov partitions and adapted measure
15h00-15h30	Rodolfo Gutiérrez	UCH, Chile	Coding the Teichmüller flow by veering triangulations

Thursday, Nov 7th

### Parallel session Th1: Stochastic modeling and data science

**Organizers:** Felipe Tobar- Joaquin Fontbona

**Chair:** Felipe Tobar

11h00-11h30	Elsa Cazelles	UCH, Chile	The Wasserstein-Fourier distance for stationary time series
11h30-12h00	Claire Delplancke	UCH, Chile	A scalable stochastic algorithm for passive seismic tomography
12h00-12h30	Pablo Groisman	UBA, Argentina	Nonhomogeneous first passage percolation and manifold learning

### Parallel session Th2: Random models in mathematical physics

**Organizers:** Daniel Remenik

**Chair:** Daniel Remenik

14h00-14h30	Gregorio Moreno	PUC, Chile	Convergence to the Burgers equation: two examples
14h30-15h00	Tertuliano Franco	UFBA, Brazil	The directed edge reinforced random walk: ant mill phenomena
15h00-15h30	Avelio Sepulveda	U. Lyon, France	A survey on level sets of the two-dimensional Gaussian free field

**Friday, Nov 8th**

**Parallel session F1: Stochastic analysis**

**Organizers:** Joaquin Fontbona

**Chair:** TBA

11h00-11h30	Jaime San Martín	UCH, Chile	Powers of Green Potentials
11h30-12h00	Victor Rivero	CIMAT, Mexico	Self similar Markov processes conditioned on staying in a cone
12h00-12h30	Antoine Brault	UCH, Chile	Young and rough differential inclusions

**Parallel session F2: Ergodic Theory and Dynamical Systems II**

**Organizers:** Alejandro Maass

**Chair:** Alejandro Maass

14h00-14h30	Paulina Cecchi	USACH, Chile	Balance in symbolic systems
14h30-15h00	Sebastian Donoso	UCH, Chile	Characteristic factors and joint ergodicity for commuting transformations and polynomial iterates
15h00-15h30	Maria Isabel Cortez	USACH, Chile	Minimal aperiodic group actions on the Cantor set