

# SAMP/ANESTOC 2015

## Stochastic Analysis and Mathematical Physics 2015: The Biological Challenge

**Pucón, Chile, August 31-September 4, 2015**

The international conference Stochastic Analysis and Mathematical Physics 2015 (SAMP 2015) will count with special sessions.

### Special Sessions:

- ❖ Quantum Information
- ❖ Open System Dynamics:
  - Classical and Quantum Markov Semigroups
  - Non Equilibrium Dynamics
  - Quantum Decoherence
- ❖ Spectral Theory and Functional Analysis
- ❖ Stochastic Analysis:
  - Stochastic Differential Equations
  - Stochastic Flows
- ❖ Biostochastics:
  - Stochastic Models and Simulation in Neurosciences
  - Stochastic Models and Simulation in Ecology

The conference will also count with the participation of internationally recognized physicists, mathematicians and biologists.

### Invited Speakers:

- Luigi Accardi (Universita' di Roma Torvergata, Italy)
- David Alonso\* (Center for Advanced Studies of Blanes, Girona, Spain and Community and Conservation Ecology Group University of Groningen, the Netherlands)
- Fatihcan Atay (Max Planck Institute for Mathematics in the Sciences, Germany)
- Stéphane Attal\* (Institut Camille Jordan, Université Lyon 1, France)
- Alberto Barchielli (Politecnico di Milano, Dipartimento de Matematica, Italy)
- Niko Beerenwinkel\* (Computational Biology Group, Swiss Federal Institute of Technology, Switzerland)
- Philippe Blanchard (Mathematical Physics at Faculty of Physics, Bielefeld University, Germany)
- Franco Fagnola (Politecnico di Milano, Dipartimento de Matematica, Italy)
- Miguel Fuentes (Instituto de Sistemas Complejos de Valparaíso)

- Yuri Kondratiev\* (Department of Mathematics, Bielefeld University, Germany)
- Jerónimo Maze (Department of Physics, Pontificia Universidad Católica de Chile)
- Tomás Perez-Acle (Computational Biology Lab, Fundación Ciencia y Vida, Chile)
- Francesco Petruccione\* (Centre for Quantum Technology, School of Physics, South Africa)
- Dénes Petz\* (Department for Mathematical Analysis, Budapest University of Technology and Economics, Hungary)
- Guido Raggio (Facultad de Matemática, Astronomía y Física, Universidad Nacional de Córdoba, Argentina)
- Emanuela Sasso (Dipartimento di Matematica, Università Degli Studi de Genova, Italy)
- Eric Smith\* (Santa Fe Institute, USA)
- Franciszek Szafraniec (Department of Functional Analysis, Institute of Mathematics of the Jagiellonian University, Kraków, Poland)
- Denis Talay (team TOSCA, INRIA Sophia Antipolis Méditerranée, France)
- Jorge X. Velasco-Hernandez (Institute of Mathematics, Universidad Nacional Autónoma de México, México)

\* to be confirmed.

**Deadlines:**

- Abstract Submission Deadline: July 30, 2015.
- Inscription Deadline\*\*: July 30, 2015.

\*\* please note that after this date, registration fee will be US\$250.

**How to get there?**

You can get to Pucón from Santiago by bus or by plane. If you want to travel by plane, you will have to book a flight to Temuco and then take a transfer to get to Pucón.

All the information is available on our website <http://www.incidechile.cl/samp2015/>.

**Where to stay?**

The conference will take place in Gran Hotel Pucón – Enjoy, in front of Villarrica lake. We have a special agreement with the hotel for lodging and meals. You only have to send an email to [reservas@enjoy.cl](mailto:reservas@enjoy.cl) indicating in your email “Participant SAMP2015 Congress – Enjoy Pucón”.

If you wish to spend time in Santiago before or after the conference, a list of hotels for different budgets is available on our website <http://www.incidechile.cl/samp2015/>.

**Registration fee:**

\$200 participants

\$100 students

Students can apply to scholarship sending an email to [scholarships-samp2015@anestoc.cl](mailto:scholarships-samp2015@anestoc.cl).

**Contact information:** [info-samp2015@anestoc.cl](mailto:info-samp2015@anestoc.cl)

**For registration:** [registration-samp2015@anestoc.cl](mailto:registration-samp2015@anestoc.cl)

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