

**15h45 Viscoelastic Properties of Cells Exposed to Crotalus Durissus Cascavella Snake Venom**

*Márcia Zotti Justo Ferreira, Joselito de Oliveira Neto, Janaina Serra Azul Monteiro Evangelista, Franciso Sales Avila Cavalcante, Mariana Sacrini Ayres Ferraz, Adriano Mesquita Alencar* (Instituto de Física, Universidade de São Paulo)

**EST - COMPLEX SYSTEMS**

Chair: Viswanathan Gandhi

Local: Room Bahia 3

**14h30 DIFFUSION ACROSS MULTIPLE COMPLEX NETWORKS**

*Jesus Gomez-Gardenes* (Departamento de Física de la Materia Condensada, Universidad de Zaragoza, Zaragoza, Spain)

**15h00 Universal dynamics of the random search problem in the edge of extinction**

*P. J. Ribeiro-Neto* (Universidade Federal de Pernambuco UFPE), *E. P. Raposo, G. M. Viswanathan, M. G. E. da Luz*

**15h15 Are critical branching processes satisfactory models for neuronal avalanches?**

*Tiago L. Ribeiro, Mauro Copelli* (Universidade Federal de Pernambuco), *Hindiael Belchior, Fábio Caixeta, Sidarta Ribeiro*

**15h30 Credit risk in interbank networks**

*Vanessa Hoffmann de Quadros, Juan Carlos González-Avella, José Roberto Iglesias* (Instituto de Física, UFRGS, Porto Alegre, Brasil)

**15h45 Bridging stylized facts in finance and data non-stationarities**

*Sabrina Camargo* (Escola de Matemática Aplicada - EMAP, FGV), *Sílvio M. D. Queirós, Celia Anteneodo*

**MAG - NANOMAGNETISM AND DYNAMICAL MAGNETIZATION II**

Chair: Mario Reis

Local: Room Bahia 1

**14h30 Chirality-dependent magnon lifetimes in a half-metallic antiferromagnet**

*Mariana M. Odashima* (Universidade Federal Fluminense, Brazil, Max Planck Institute of Microstructure Physics, Germany), *Alberto Marmodoro, Pawel Buczek, Arthur Ernst, Leonid Sandratskii*

**15h00 Effect of magnetic dipolar interactions on nanoparticle heating efficiency: Implications for cancer hyperthermia**

*Luis C. Branquinho, Marcus S. Carrião* (Instituto de Física, Universidade Federal de Goiás, 74001-970, Goiânia-GO, Brazil), *Anderson S. Costa, Nicholas Zufelato, Andris F. Bakuzis, Marcelo H. Sousa, Ronei Miotto, Robert Ivkov*

**15h15 Controlling the exchange interaction of Ni-Fe-Pt nanostructure on Pt(111)**

*Manoel Maria Bezerra Neto* (Universidade Federal do Pará), *Marcelo de Sousa Ribeiro, Ângela Klautau, Biplab Sanyal, Anders Bergman, Olle Eriksson, Roberto Bechara Muniz*

**15h30 Metallic Clusters: Production and magnetic properties.**

*Artur Domingues Tavares de Sá* (IFGW - Unicamp), *Varlei Rodrigues, Simon Oyarzún, Matthias Hillenkamp*

**15h45 Effect of dimensionality on the magnetic properties of  $Fe_3Ga_4$** 

*K. O. Moura* (Instituto de Física Gleb Wataghin, Universidade Estadual de Campinas), *L. A. S. de Oliveira, P. F. S. Rosa, F. Béron, P. G. Pagliuso, K. R. Pirota*

**16h00 FERROMAGNETIC CLUSTER ON  $La_2FeMnO_6$** 

*Petrucio Barrozo* (Departamento de Física, Universidade Federal de Sergipe, 49100-000, São Cristóvão, Brazil), *N.O. Moreno, J. Albino Aguiar*