

Satellite of the CCS2018
**“Questions and Perspectives in Understanding Complexity via
Nonlinearity and Information Theory”**

26 September 2018

09:10- 09:20 *Opening*

09:20 - 10:00 *“Nonlinear dynamical systems: Does strong chaos exclude q-statistics?”*
Constantino Tsallis (Centro Brasileiro de Pesquisas Físicas, Brazil)

10:00 - 10:30 *“The role of talent and luck in getting success”*
Andrea Rapisarda (Catania University, Italy)

10:30 - 11:00 *Coffee break*

11:00 - 11:30 *“On the impact of a fundamental trade-off between costs and precision on the fate of dynamical systems”*
M.Voit and **Hildegard Meyer-Ortmanns** (Jacobs University, Germany)

11:30 - 12:00 *“From the nonlinear Fokker-Planck equation to the Vlasov description and back: Confined interacting particles with drag”*
A. R. Plastino¹, **E. M. F. Curado**^{2,3}, F. D. Nobre^{2,3} and C. Tsallis^{2,3}
(¹UNNOBA-Conicet, Junin, Argentina, ²CBPF, Rio de Janeiro, Brazil
³INCT-SC, Rio de Janeiro, Brazil)

12:00 - 12:30 *“Nonequilibrium statistical mechanics and the logistic map”*
Fulvio Baldovin (Padova University, Italy)

13:00 - 14:30 **Lunch**

15:00 - 15:30 *“Success in science: exploring the role of talent, luck and interdisciplinarity”*
Alessandro Pluchino, A. E. Biondo, A. Rapisarda, G. Burgio, A. Pulvirenti, T. Giorgino (Catania University, Italy)

15:30 - 16:00 *“Generalized statistical mechanics of high energy scattering processes”*
G.Cigdem Yalcin¹ and Christian Beck²
(¹Istanbul University, Turkey, ²Queen Mary University of London,UK)

16:00 - 16:30 *Coffee break*

16:30 - 17:00 *“Critical phenomena at the onset of chaos”*
Alvaro Diaz Ruelas and Alberto Robledo (Universidad Nacional Autónoma de México, Mexico)

17:00 - 17:40 *“Self-organized criticality and a constrained thermal system analogue of the onset of chaos”*
Alberto Robledo (Universidad Nacional Autónoma de México, Mexico)

17:40 - 17:50 *Closing remarks*