PROGRAM

Monday, 12/5:

14:00 – 14:50 Léon Brenig (Free Univ. Brussels) – “Deriving fractional diffusion from first principles. Application to gravitational systems.”

14:50 – 15:25 Mendeli Weinstein (UFRGS) – “Modeling of Droplet Evaporation on Superhydrophobic Surfaces.”

15:25 – 16:00 Annibal Figueiredo (UnB) – “The Central Limit theorem and the complete characterization of limits keeping the invariance of the force and the extensivity of the energy.”

16:00 – 16:40 Coffee Break and Posters

17:00 – 18:30 Round Table - “Epidemic propagation and modelling problems of social interest.”
Talkers: Cláudia T. Codeço. (FIOCRUZ), Léon Brenig (Free Univ. of Brussels), Marcelo Gomes (FIOCRUZ) and Martin Bier (Univ. North Carolina).
Moderator: Isaac Roitman (Emeritus Professor – UnB)
The round table will be held at: “prédio Administrativo da FIOCRUZ (no campus da UnB na asa norte), 3º andar, Sala do CD”.

Tuesday, 12/6:

09:00 – 09:50 Benedetto Militello (Univ. Palermo) – "Quantum Noise effects in the presence of Time-Dependent Hamiltonians."

09:50 – 10:25 Alexandre Dodonov (UnB) – “Quantum non-stationary phenomena with artificial atoms.”

10:25 – 10:55 Coffee Break

10:55 – 11:30 Felipe Fanchini (UNESP Bauru) – "Non-Markovian dynamics in open quantum systems."

11:30 – 12:05 Thiago Werlang de Oliveira (UFMT) – “Control of Non-Markovianity in open quantum systems."

13:40 – 15:10 Mini Course – Martin Bier (Univ. North Carolina) - "Stochastic and Deterministic Modeling of Dynamic Processes."

15:10 – 15:45 Marco Aurélio Barbosa (UnB) – “Simple lattices models for water and drug delivery”.

15:45 – 16:20 Marcelo M. L. Lyra (UFAL) – "Quantum entanglement and drifting generated by an AC field resonant with frequency-doubled Bloch oscillations of correlated particles".

16:20 – 16:50 Coffee Break – Posters

16:50 – 17:25 Vera Henriques (USP) – “Ensemble equivalence and mean-field models.”

17:25 – 18:00 Marco A. Amato (UnB) – To be announced

Wednesday, 12/7

09:00 – 09:35 Romain Bachelard (USP S. Carlos) – “Cooperative effects in light scattering by dilute atomic clouds.”

09:35 – 10:10 Tarcísio N. Telles – “Ensemble inequivalence and absence of quasi-stationary states in long-range random networks.”

10:10 – 10:30 Coffee Break

10:30 – 11:05 Jeferson Arenzon (UFRGS) – "Domains in spin models: evolution and geometry."

11:05 – 12:05 Mini Course – Martin Bier (Univ. North Carolina) - "Stochastic and Deterministic Modeling of Dynamic Processes."

12:05 – 12:30 Closing Section.

Thursday, 12/8

11:05 – 12:05 Mini Course – Martin Bier (Univ. North Carolina) - "Stochastic and Deterministic Modeling of Dynamic Processes."

Friday, 12/9

11:05 – 12:05 Mini Course – Martin Bier (Univ. North Carolina) - "Stochastic and Deterministic Modeling of Dynamic Processes."