

PROGRAM: Workshop on Dynamical Phenomena in Complex Network**Monday, April 02, 2012**

8:30-9:00	Opening Ceremony
9:00-9:15	Elbert Macau and Jürgen Kurths- Introduction
9:15-9:35	Euclides Mesquita Neto- FAPESP Overview and International
9:35-9:50	Christian Müller - DAAD Overview
9:50-10:05	Karin Zach - DFG Overview
10:05-10:15	Sabine Mönkemöller - International Research Training Groups
10:20-11:30	Dietrich Halm - DFG in Latin America – Activities of the DFG Office in Sao Paulo
10:30-10:45	Coffee-Break
10:45-11:15	FAPESP Climate Project
11:15-12:05	P1 - Friedrich-Wilhelm Gerstengarbe - <i>Regional Climate Models</i>
12:05-12:55	P2 - José A. Marengo - <i>Activities on the development of high resolution future climate change scenarios for impact studies and vulnerability assessments</i>
12:50-14:10	Lunch
14:10-15:00	P3 - Luciano da Fontoura Costa - <i>Structure and Dynamics in Complex Networks</i>
15:00-16:30	Subproject private discussions
16:30-16:45	Coffe-Break
16:45-17:45	Subproject private discussions
17:45-18:00	Discussions

Tuesday, April 03, 2012

8:30-9:20	P4 - Diffusion and anomalous diffusion in complex environments: From potential models to living cells. <i>Dr. Igor Sokolov</i>
9:20-10:00	P5 - The role of gap junction communication in the synchronization of cell activity. <i>Dr. Alexandre Kihara</i>
10:00-10:15	Coffee-Break
10:15-11:30	Subproject private discussions
11:30-11:45	SP-1 Status Report
11:45-12:00	SP-2 Status Report
12:00-12:15	SP-3 Status Report
12:15-12:30	SP-4 Status Report
12:30-14:00	Lunch
14:00-15:00	P6 - Anja Ramming - <i>Modelling vegetation response under climate change</i>
15:00-15:15	SP-5 Status Report
15:15-15:30	SP-6 Status Report
15:30-15:45	SP-7 Status Report
15:45-16:00	SP-8 Status Report
16:00-16:15	SP-9 Status Report
16:15-16:30	Coffe-Break
16:30-16:45	SP-10 Status Report
16:45-17:00	SP-11 Status Report
17:00-17:15	SP-12 Status Report
17:15-17:30	SP-13 Status Report
17:30-17:45	SP-14 Status Report
17:45-18:00	SP-15 Status Report

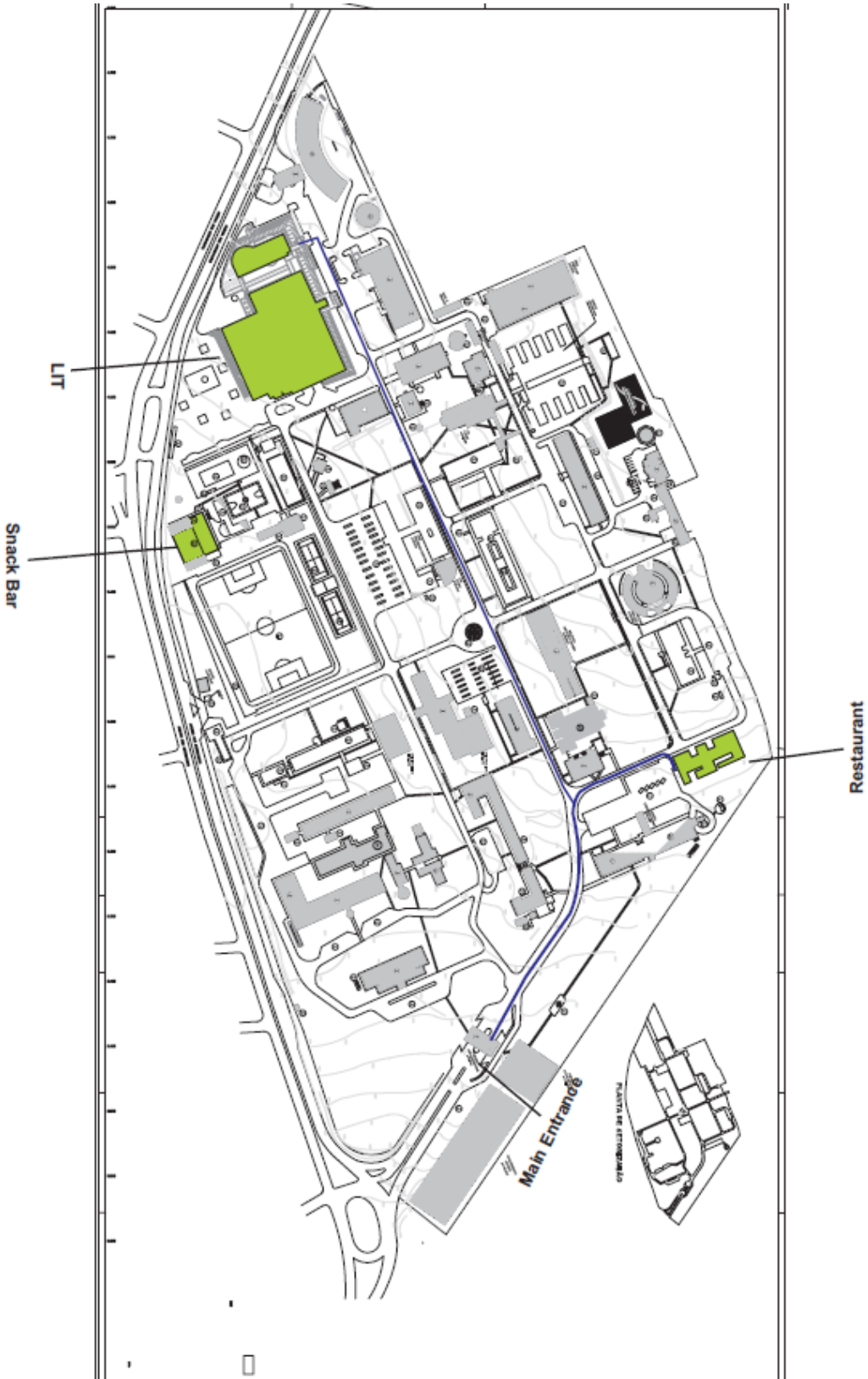
Wednesday, April 04, 2012

8:30-10:00	Poster
10:00-10:15	SP-16 Status Report
10:15-10:30	SP-17 Status Report
10:30-10:45	Coffee Break
10:45-11:00	SP-18 Status Report
10:30-11:00	Schedule and next step goals assignments
11:00-12:30	Final Discussions
12:30-14:00	Lunch
14:00-15:00	Closing

Subproject Lectures

- SP-1 Evolution from small to large networks, their spectrum and related bifurcation scenarios
T. Pereira (USP), S. Yanchuk (HUB), L. Zhao (USP) - U-ROOM
- SP-2 Lasing networks in semiconductors
F. Henneberger (HU), E. Macau (INPE), T. Pereira (UFABC), F. Henneberger (HU) - U-ROOM
- SP-3 Synchronization of complex oscillatory networks and ensembles: Effects of nonlinearity and delay in coupling
E. Macau (INPE), A. Pikovsk (UP), R. Pinto (USP), M. Rosenblum (UP) - U-ROOM
- SP-4 Re-emergent cluster patterns in complex networks. Information processing in dynamics of clustering
E. Macau (INPE), A. Roque da Silva (USP), M. Zaks (HUB), L. Zhao (USP) -U-ROOM
- SP-5 Random and stochastic partial differential equations and stochastic flows
P. Imkeller (HUB), P. Ruffino (UNICAMP) - C-Room
- SP-6 Multidimensional models of molecular motors at the transition from microscopic to mesoscopic dynamics
C. Goldman (USP), L. Schimansky-Geier (HUB), A. Straube (HUB) - I-Room
- SP-7 Neurons and small clusters: The role of non-renewal node dynamics
R. Pinto (USP), S. Rüdiger (HUB), L. Schimansky-Geier (HUB) - Roger Honiat auditorium
- SP-8 Application of network theory to living neural cultures
A. Kihara (UFABC), S. Rüdiger (HUB), I.M. Sokolov (HUB) - Roger Honiat auditorium
- SP-9 Models of anomalous transport: From Tokamaks to atmosphere
H.M.J. Barbosa (USP), I. Caldas (USP), I.M. Sokolov (HUB) - I-Room
- SP-10 Stochastic description of network systems with infinitely long memory
D. Marchetti (USP), T. Pereira (UFABC), I.M. Sokolov (HUB) - I-Room
- SP-11 Creating complex networks to represent and characterize climate
L. F. Costa (USP), J. Kurths (PIK and HUB), G. Obregon (INPE), J. Marengo (INPE), F. A. Rodrigues (USP) Main auditorium
- SP-12 Analyzing tipping points and linking climate features of the Amazon region to the global climate
E. J. Ngamga (PIK), G. Sampaio (INPE) - Main auditorium PosDoc Project
- SP-13 Comparison of climate models and observed data
F.-W. Gerstengarbe (PIK), J. A. Marengo (INPE), C. Randow (INPE), G. Sampaio (INPE) Main auditorium
- SP-14 Extreme event analysis
A. Loose (HUB), J. A. Marengo (INPE), G. Sampaio de Oliveira (INPE) -Main auditorium PosDoc Project
- SP-15 Feedbacks between vegetation and climate
A. Ramming (PIK), K. Thonicke (PIK), G. Sampaio (INPE) - Main auditorium Main auditorium
- SP-16 Climate simulations with CCLM with various states of the Amazon rainforest
L. Alves (INPE), C. S. Chan (INPE), J. Kurths (HUB and PIK), J. A. Marengo (INPE), J. Volkholz (PIK) Main auditorium
- SP-17 Reducing uncertainties in scenarios of deforestation and human-caused fires
M. Cardoso (INPE), A. Rammig (PIK), K. Thonicke (PIK) - Main auditorium
- SP-18 Conceptual climate models interpreted by non-Gaussian dynamical systems and their metastable behavior
P. Catuogno (UNICAMP), M. Högele (UP), P. Imkeller (HUB), P. Ruffino (UNICAMP) - C-Room

INPE Campus



LIT Building

