2010 NCTS January Workshop on Critical Phenomena and Complex Systems

時　間：January 28-29, 2010

地　點：Lecture Room 4A of NCTS, 4F, General 3rd Building, National Tsing Hua University, Hsinchu

時　間：99年1月28日(星期四)		
時　間	主　講　人	題　　目
9:10-10:00	Chin-Kun Hu	Introduction to Models of Phase Transitions and Critical Phenomena
10:20-11:10	D. B. Saakian	Introduction to the Application of Statistical Mechanics to Evolution
11:20-12:10	Hsiu-Hau Lin	Discreteness of Population Erodes Biodiversity in Evolution
14:00-14:50	Yun-Ru Chen	Introduction of Amyloids-Emphasis on Amyloid Beta in Alzheimer's Disease
15:00-15:50	Chun-Jung Chen	Protein Oligomerization for Enzymatic Activity and Structural Stability
16:10-16:50	Nan-Yow Chen	Guiding Proteins through Folding Pathways by Dynamical Contact Map
16:50-17:30	Wen-Jong Ma	Non Maxwell-Boltzmann Properties Induced by Backbone Dynamical Anisotropy in Model of Polymer Melt
17:50-18:40	Lin-Ni Hau	Statistics and Thermodynamics of Inhomogeneous Charged Particle and Field Systems
時　間：99年1月 29日(星期五)		
時　間	主　講　人	題　　目
9:10-9:50	Tzay-Ming Hong	What's Common between a Crumpled Aluminum Foil and Liquid Crystals?
9:50-10:30	D. B. Saakian	The Hamilton Jacobi Equation　Method and the Optimization in Evolution Dynamics
10:50-11:30	D. B. Saakian	Investigation of Recombination Phenomenon in Evolution
11:30-12:10	Zhigang Zheng	Coupled Ratchets: Cooperative Directed Transport and Locomotion
14:00-14:40	Zhigang Zheng	Synchronization and Topology Identification of Complex Networks
14:40-15:20	Chi-Ning Chen	Maximum Degree Distribution in Complex Networks
15:40-16:20	Zicong Zhou	Conformal and Mechanical Properties of Filaments and Its Application to Biopolymers
16:20-17:00	D. Y. Lando	Conceptions of "Ideal Crosslinking" and "Ideal Uncrosslinking" and Their Use for Evaluation of Local Distortions Caused in DNA by Some Antitumor Compounds
17:20-18:00	Ming-Chang Huang	TBA

主辦單位：

National Center for Theoretical Sciences (Critical Phenomena and Complex Systems focus group)

Institute of Physics of Academia Sinica (Taipei)

Further information: http://proj1.sinica.edu.tw/~statphys/