SPMCS-2017

(Preliminary version)

13-15 October 2017

Hampton By Hilton, Pan Long Cheng, Wuhan

Time Table

Date	Time	Session Part	Sub-Session	Chair
October 13th	08:10-9:40	Session I		Binghong Wang
	10:00-12:30	Session II		Sumiyoshi Abe
	14:00-16:00	Session III		Alberto Robledo
	16:20-18:20	Session IV		K.Y. Michael Wong
October 14th	08:00-10:00	Session I		Aiguo Xu
	10:30-12:30	Session II		Changsong Zhou
	14:00-15:40	Session III	A	Ying Fan
			B	Liang Huang
	16:00-17:15	Session IV	A	Jiping Huang
			B	Xingang Wang
October 15th	08:00-10:00	Session I		Zhigang Zheng
	10:20-12:30	Session II		Xinjian Xu

October 13th

Chair: Wei Li

8:00-8:10	Xu Cai And Qiuping Alexandre Wang	Welcome address

Session I   Chair: Binghong Wang

8:10-8:40	K.Y. Michael Wong	How neural systems fuse information from different channels
8:40-9:10	Sumiyoshi Abe	C-MaxEnt and Bayesian approach to extreme values
9:10-9:40	Zhigang Zheng	Interface facilitated energy transport in coupled nonlinear lattices
9:40-10:00	**Photo and coffee break**	

Session II   Chair: Sumiyoshi Abe

10:00-10:30	Aiguo Xu	Discrete Boltzmann modeling of non-equilibrium complex flows
10:30-11:00	Alberto Robledo	An unorthodox thermal system analogue of the onset of chaos
11:00-11:30	Jiping Huang	Macroscopic network of thermal conduction
11:30-12:00	Liang Huang	Symmetry blockade and route to equipartition in square graphene resonators
12:00-12:20	Qiuping Alexandre Wang	Is this a true least action principle for damped motion?
12:20-12:30	Philippe BIELA	Presentation of Yncréa and opportunities for international collaborations
12:30-14:00	**Lunch break**	

Session III   Chair: Alberto Robledo

14:00-14:30	Chin-Kun Hu	Universality and scaling in human and social systems
14:30-15:00	Armen Allahverdyan	Modeling phoneme distribution: the effect of author-dependence
15:00-15:30	Pan-Jun Kim	Systems approach to complex human microbial networks
15:30-16:00	Jinshan Wu	What is scientometrics from the perspective of network science and data science
16:00-16:20	**Coffee break**	

Session IV   Chair: K.Y. Michael Wong

16:20-16:50	Xingang Wang	Synchronous patterns in complex networks
16:50-17:20	Yanwu Wang	Collective behavior of networked systems
17:20-17:50	Xinjian Xu	Information propagation in directed networks
17:50-18:20	Jianguo Liu	Modelling and application of online user collective behaviors

October 14th

Session I   Chair: Aiguo Xu

8:00-8:30	Changsong Zhou	Complex neural connectivity and activity: perspective from cost-efficiency trade-off
8:30-9:00	Jiqian Zhang	New nonlinear dopant kinetic model of memristor
9:00-9:30	Dingding Han	Gibrat fluctuation and optimal navigation of the time-varying complex systems
9:30-10:00	Ying Fan	Random walk on signed network
10:00-10:30	**Coffee break**	

Session II   Chair: Changsong Zhou

10:30-11:00	Huijie Yang	Visibility graphlet approach to time series
11:00-11:30	Yi Zhao	Progress on equivalent transformation and reciprocal characterization between complex networks and time series
11:30-12:00	Jin Zhou	Dynamics of complex network: from monoplex to multiplex
12:00-12:30	Zike Zhang	Machine learning on complex networks
12:30-14:00	**Lunch break**	

Session III	Sub-session A	Chair: Ying Fan
14:00-14:25	Pan Zhang	Mean-field-based spectral methods for unsupervised learning
14:25-14:50	Congjie Ou	Exotic properties of quantum heat engine including the energy-conservation process
14:50-15:15	Chunyang Wang	Anomalous statistical behaviours resulted from fractional damping
15:15-15:40	Liang Luo	Quenched or annealed: a criterion for non-gaussian diffusion
15:40-16:00	**Coffee break**	

Session III	Sub-session B	Chair: Liang Huang
14:00-14:25	Yong Zou	Explosive phenomena in complex networks
14:25-14:50	Jie Liu	Mutual representation between nonlinear time series and complex network graphs and its applications
14:50-15:15	Xiaofan Liu	Analysis and modeling of the adaptive coevolution in heterogeneous double-layer networks
15:15-15:40	Xin Zhang	Risk contagion analysis based on a complex credit network model
15:40-16:00	**Coffee break**	

Session IV **Sub-session A** **Chair: Jiping Huang**

16:00-16:25	Zigang Huang	Emergence and control of collective behavior in resource-allocation systems
16:25-16:50	Yunfeng Chang	The way to uncover community structure with core and diversity
16:50-17:15	Shengfeng Deng	Spreading dynamics of forget-remember mechanism
18:30	**Banquet**	

Session IV **Sub-session B** **Chair: Xingang Wang**

16:00-16:25	Changgui Gu	Strengthen the circadian rhythms
16:25-16:50	Ye Wu	Evidence and modeling for heavy-tail phenomena in man-made systems
16:50-17:15	Longfeng Zhao	Stock market as temporal network
18:30	**Banquet**	

October 15th

Session I   Chair: Zhigang Zheng

8:00-8:30	Binghong Wang	Recent research progress on controllability transition in complex networks
8:30-9:00	Tao Jia	Degree correlation induce bimodality in controlling complex networks
9:00-9:30	Rui Menezes	Hysteresis and duration dependence of financial crises in the US: evidence from 1871-2016
9:30-10:00	Mauricio Pato	Statistical distribution of the length of words
10:00-10:20	**Coffee break**	

Session II   Chair: Xinjian Xu

10:20-10:50	Chenping Zhu	Universal patterns behind big data of passenger flight departure delays in United States
10:50-11:20	Chengyi Xia	Attack vulnerability and epidemic dynamics on two interdependent networks
11:20-11:50	Haifeng Zhang	Reconstructing complex networks from discrete time series
11:50-12:20	Wenlian Lu	Some progresses in modeling, analysis and application of interdependent complex networks
12:20-12:30	**Closing remark**	
13:00	Excursion	