

Schedule

May 12, Friday Afternoon (Beijing time: UTC+8)

Registration and Check-in

Time	Place	Chair
14:00-21:00	Building 1, Nanqi Hotel, NUIST	Qi An (安琪)
18:30-20:00 Dinner		



May 13, Saturday Morning (Beijing time: UTC+8)

Online: VoovMeeting (腾讯会议) ID 594-449-956
Offline: Lecture Hall, 1st Floor, Meteorological Building (气象楼一楼报告厅)

Opening Ceremony

Time	Items	Chair
08:30-09:00	<ul style="list-style-type: none"> · Welcome speech · Group photo 	Wenjun Liu (刘文军)

Invited Talks

Time	Speaker	Institution	Title	Chair
09:00-09:40	Huaiping Zhu (朱怀平)	York University, Canada (加拿大约克大学)	Modelling the impact of medical resources on the transmission dynamics and control of infectious diseases	Xuezhi Li (李学志)
09:40-10:20	Wendi Wang (王稳地)	Southwest University (西南大学)	Bifurcation Analysis of Disease Transmission Models	
10:20-10:40 Break				
10:40-11:20	Gangmin Ning (宁钢民)	Zhejiang University (浙江大学)	Computational Model for Microcirculation - From Branch to Network	Zhigui Lin (林支桂)
11:20-12:00	Zhaosheng Feng (冯兆生)	University of Texas Rio Grande Valley, USA	Diffusional Systems of Infection Process: Analysis and Simulation	
12:10-13:00 Lunch				

May 13, Saturday Afternoon (Beijing time: UTC+8)

Group A

Online: VoovMeeting (腾讯会议) ID 594-449-956

Offline: Conference Room 1114, 11th Floor, Meteorological Building (气象楼 1114 会议室)

Invited Talks

Time	Speaker	Institution	Title	Chair
14:00-14:40	Pierre Auger	French Academy of Sciences, France	TBA	Yong Jiang (蒋勇)
14:40-15:10	Shengqiang Liu (刘胜强)	Tiangong University (天津工业大学)	Study on the asymptotic behavior of two kinds of reaction-diffusion epidemic models	Weiming Wang (王玮明)
15:10-15:40	Pei Yuan (袁沛)	York University, Canada (约克大学)	Modelling for informing public health policy on prevention and control of COVID-19 epidemics in Toronto, Canada	
15:40-16:10	Haitao Song (宋海涛)	Shanxi University (山西大学)	Dynamic modeling and intervention evaluation of COVID-19 transmission (COVID-19 传播动力学建模及干预评估)	
16:10-16:30 Break				
16:30-17:00	Yiwen Tao (陶亦文)	Zhengzhou University (郑州大学)	Comparative study of physics-based model and machine learning model for epidemic forecasting and countermeasure	Wendi Wang (王稳地)
17:00-17:30	Chengxia Lei (类成霞)	Jiangsu Normal University (江苏师范大学)	The SIS Epidemic Reaction-diffusion Model with Spontaneous Infection in a Spatially Heterogeneous Environment	
17:30-18:00	Xuebing Zhang (张学兵)	Nanjing University of Information Science and Technology (南京信息工程大学)	Dynamics analysis of a diffusive predator-prey model with spatial memory and nonlocal fear effect	
18:30-20:00 Dinner				

May 13, Saturday Afternoon (Beijing time: UTC+8)

Group B

Online: VoovMeeting (腾讯会议) ID 423-605-815

Offline: Conference Room 713, 7th Floor, Meteorological Building (气象楼 713 会议室)

Invited Talks

Time	Speaker	Institution	Title	Chair
14:00-14:40	Pierre Auger	French Academy of Sciences, France	TBA	Yong Jiang (蒋勇)
14:40-15:10	Lai Zhang (张来)	Yangzhou University (扬州大学)	Refining species generality from a dynamical view of realized niche	Gangmin Ning (宁钢民)
15:10-15:40	KaiFa Wang (王开发)	Southwest University (西南大学)	A new method for the joint estimation of instantaneous reproductive number and serial interval during epidemics	
15:40-16:10	Hui Huang (黄辉)	Jiangsu Province Hospital of Chinese Medicine (江苏省中医院)	Multimodal ultrasound and assessment of plaque vulnerability (多模态超声与斑块易损性评估)	
16:10-16:30 Break				
16:30-17:00	Xianyi Li (李先义)	Zhejiang University of Science and Technology (浙江科技学院)	Global asymptotic stability of a rational difference equation with higher order	Huaiping Zhu (朱怀平)
17:00-17:30	Hui Wan (万辉)	Nanjing Normal University (南京师范大学)	Modeling the impact of awareness programs on the transmission dynamics of dengue and optimal control	
17:30-18:00	Anum Shafiq	Nanjing University of Information Science and Technology (南京信息工程大学)	Application of probabilistic error analysis to a double stratified magnetohydrodynamic Marangoni Casson nanofluid	
18:30-20:00 Dinner				

May 14, Sunday Morning (Beijing time: UTC+8)

Online: VoovMeeting (腾讯会议) ID 423-605-815

Offline: Conference Room 713, 7th Floor, Meteorological Building (气象楼 713 会议室)

Graduate Forum

Time	Speaker	Institution	Title	Chair
08:00-08:20	Haiyan Xu (徐海燕)	Yangzhou University (扬州大学)	Blow-up phenomenon of generalized pulse logistic diffusion problem (广义脉冲 logistic 扩散问题的爆破现象)	Yancong Xu (徐衍聪)
08:20-08:40	Shuangyan Yang (杨双艳)	Ningxia University (宁夏大学)	Sliding dynamics and optimal control of avian influenza model with saturated incidence rate	
08:40-09:00	Yanning An (安雁宁)	Nanjing University of Information Science and Technology (南京信息工程大学)	Mathematical models and existence of solutions for atherosclerosis in early stage	
09:00-09:20	Wei You (尤薇)	Ningxia University (宁夏大学)	Finite-time contraction stability of a stochastic reaction-diffusion dengue model with impulse and Markov switching	
09:20-09:40	Kai Wang (王凯)	Nanjing University of Aeronautics and Astronautics (南京航空航天大学)	Traveling wave solutions of a nonlocal partially degenerate model for <i>Aedes aegypti</i>	
09:40-10:00 Break				

10:00-10:20	Weixin Chen (陈维新)	Ningxia University (宁夏大学)	Stability and Hopf bifurcation in the echinococcosis model with mixed time delays and spatial diffusion	Guangying Lv (吕广迎)
10:20-10:40	Huixia Li (李慧霞)	Nanjing University of Aeronautics and Astronautics (南京航空航天大学)	Mathematical model of Alzheimer's disease with prion proteins interactions and treatment	
10:40-11:00	Mengdie Yang (杨梦蝶)	Nanjing University of Information Science and Technology (南京信息工程大学)	Risk assessment of atherosclerotic cardiovascular disease based on feature selection of L1-CBFS	
11:00-11:20	Erhui Li (李二辉)	Henan Institute of Science and Technology (河南科技学院)	Global dynamics of an endemic disease model with vaccination, the asymptomatic and the symptomatic in complex networks	
11:40-12:40 Lunch				
Free discussion Return trip				