

Programme (日程)

Date	Time	Activity	Venue	
Mar., 31 st , Fri.	14:00-18:00	Registration (注册)	Academic House 汕大学术交流楼 大堂	
	18:00-21:30	Dinner (晚餐)	GTIIT Canteen 广以食堂三楼	
Apr., 1 st , Sat.	08:15-08:30	Registration (注册)	Auditorium, GTIIT 广以科报厅	
	08:30-08:40	Opening remarks by GT Management Leader (校领导致辞)		
	Session 1. Chairman: Prof. Chenxu WU (吴晨旭)			
	08:40-09:05	<i>Diffusio-Rheological Coupling</i> Prof. Masao DOI (土井正男 院士)		
	09:05-9:30	<i>Odd viscosity-induced Hall-like transport of an active chiral fluid</i> Prof. Ming-Cheng YANG (杨明成)		
	09:30-10:55	<i>Torque-mediated collective behaviors of rod-shaped synthetic active colloids</i> Prof. Wei WANG (王威)		
	09:55-10:35	Coffee break (Photos, 集体照)		
	Session 2. Chairman: Prof. Li-Tang YAN (燕立唐)			
	10:35-11:00	<i>Motility Induced Phase Separation: Inertial Effects, Reentrance and Nonequilibrium Thermodynamics</i> Prof. Zhonghuai HOU (候中怀)		
	11:00-11:25	<i>The Statistical Trends in Protein Evolution: A Lesson from AlphaFold Database</i> Prof. Qian-Yuan TANG (唐乾元)		
	11:25-11:50	<i>Phase separation of intrinsically disordered proteins</i> Prof. Xiangze ZENG (曾祥泽)		
	11:50-12:00	Dr. Zhen ZHAI (翟振)		
	12:00-14:00	Lunch (午饭)		GTIIT Canteen 广以食堂三楼
	Session 3. Chairman: Prof. Zhonghuai HOU (候中怀)			
	14:00-14:25	<i>Life and Entropy: A View from Soft Matter Physics</i> Prof. Li-Tang YAN (燕立唐)		
14:25-14:50	<i>Brownian and Active Motion of Low Symmetry Particles</i> Prof. Qi-Huo WEI (韦齐和)			
14:50-15:15	<i>Collective phenomena in swimming microorganisms</i> Prof. Hepeng ZHANG (张何朋)			
15:15-15:40	<i>Toward self-organized critical hyperuniform states in an active matter system</i>			

	Prof. Qunli LEI (雷群利)	Auditorium, GTIIT 广以科报厅
15:40-16:00	Coffee break (茶歇)	
Session 4. Chairman: Prof. Qi-Huo WEI (韦齐和)		
16:00-16:25	<i>Wrapping dynamics and critical conditions for active nonspherical nanoparticle uptake</i> Prof. Chenxu WU (吴晨旭)	
16:25-16:50	<i>Susceptibility of Orientationally Ordered Active Matter</i> Prof. Xiaqing SHI (施夏清)	
16:50-17:15	<i>Behavior of an active polymer on a homogeneous surface</i> Prof. Wen-de TIAN (田文得)	
17:15-17:40	<i>Self-propulsion and self-organization via Ionic diffusiophoresis</i> Prof. Yongxiang GAO (高永祥)	
18:00-20:00	Welcome Banquet (晚宴)	
20:00-22:00	Night Tour (观光, 可选 optional)	Shantou Treaty- Port-Opening Street 汕头市小 公园开埠街区
Session 1. Chairman: Prof. Hui LI (李辉)		Auditorium, GTIIT 广以科报厅
08:30-08:55	<i>Protein diffusion over a free-energy landscape in live cell membrane</i> Prof. Penger TONG (童彭尔)	
08:55-09:20	<i>Morphogenesis of active membrane with curvature-dependent stress</i> Prof. Rui MA (马锐)	
09:20-09:45	<i>Bioactivity Inspired Polymer Physics Study: Unconventional Diffusion in Polymer Networks</i> Prof. Xue-Zheng CAO (曹学正)	
09:45-10:10	<i>Cell swelling, softening and invasion in a three-dimensional breast cancer model</i> Prof. Yulong HAN (韩玉龙)	
10:10-10:30	Coffee break	
Session 2. Chairman: Prof. Junhua YUAN (袁军华)		

Apr., 2 nd , Sun.	10:30-10:55	<i>Small Big Models: Incorporating Individual Behavior in Mean-Field Theories of Collective Motion</i> Prof. Lei-Han TANG (汤雷翰)	
	10:55-11:20	基于原子力显微镜技术的生命物质力学表征：从细胞到相分离液滴 Prof. Dongshi GUAN (关东石)	
	11:20-11:45	<i>Entropy-driven cellular response to mechanical cues</i> Prof. Ce ZHANG (张策)	
	11:45-12:10	<i>Comparison between phase-field model and coarse-grained model for characterizing cell-resolved morphological and mechanical properties in a multicellular system</i> Dr. Guoye GUAN (关国业)	
	12:10-14:00	Lunch (午饭)	
	Session 3. Chairman: Prof. Lei-Han TANG (汤雷翰)		Auditorium, GTIIT 广以科报厅
	14:00-14:25	<i>From DNA to Life: Decode the noncoding genome</i> Prof. Xiaohua SHEN (沈晓骅)	
	14:25-14:50	<i>Odd elasticity of a catalytic micromachine</i> Prof. Shigeyuki Komura (好村滋行)	
	14:50-15:15	<i>Active wetting</i> Prof. Guangyin JING (经光银)	
	15:15-15:40	<i>Obstacle-induced giant jammed aggregation of active semiflexible filaments</i> Prof. Kang CHEN (陈康)	
15:40-16:00	Coffee break		
Session 4. Chairman: Prof. Fanlong MENG (孟凡龙)			
16:00-16:25	<i>Different bacterial swimming modes determined by mechanical properties of the flagellar hook</i> Prof. Junhua YUAN (袁军华)		
16:25-16:50	<i>Multiscale Computational Prediction of β-Sheet Peptide Self-Assembly Morphology</i> Prof. Yanting WANG (王延颀)		
16:50-17:15	二维到三维活性湍流的标度律 Prof. Yi PENG (彭毅)		
17:15-17:40	增殖菌落的“触觉”——来自力学的智慧 Prof. Zhihong YOU (游智鸿)		
17:40-18:05	<i>Reduced surface accumulation of swimming bacteria in viscoelastic polymer fluids</i> Prof. Song LIU (刘松)		

	18:05-20:00	Dinner (晚饭)	GTIIT Canteen 广以食堂三楼
Apr., 3 rd , Mon.	Session 1. Chairman: Prof. Linhong DENG (邓林红)		Auditorium, GTIIT 广以科报厅
	08:30-08:55	<i>Liquid-liquid phase separation of peptides/proteins: mechanistic insights from molecular dynamics simulations</i> Prof. Guanghong WEI (韦广红)	
	08:55-09:20	<i>Designing the Morphology of Separated Phases in Multicomponent Liquid Mixtures</i> Prof. Sheng MAO (毛晟)	
	09:20-09:45	物理微环境调控免疫及神经细胞的动力学及功能 Prof. Qihui FAN (樊琪慧)	
	09:45-10:10	磷脂膜内纳米颗粒的输运阻力及反常扩散 Prof. Xu ZHENG (郑旭)	
	10:10-10:30	Coffee break	
	Session 2. Chairman: Prof. Guanghong WEI (韦广红)		
	10:30-10:55	<i>Cell-induced remote remodeling of collagen-based matrix</i> Prof. Linhong DENG (邓林红)	
	10:55-11:20	<i>Pattern diversity emerges from a simple gene network</i> Prof. Xiongfei FU (傅雄飞)	
	11:20-11:45	<i>Modes of T cell motility in the co-culture with cancer cells</i> Prof. Xuefei LI (李雪飞)	
	11:45-12:10	<i>Mechanochemical feedback loop drives persistent motion of liposomes</i> Prof. Meifang FU (付梅芳)	
	12:10-14:00	Lunch (午饭)	GTIIT Canteen 广以食堂三楼
	Session 3. Chairman: Prof. Xiongfei FU (傅雄飞)		Auditorium, GTIIT 广以科报厅
	14:00-14:25	<i>Surface tensions in active fluids</i> Prof. Yongfeng ZHAO (赵永峰)	
	14:25-14:50	<i>Probing active nematic with inclusions.</i> Prof. Jie ZHANG (张洁)	
14:50-15:15	<i>Stochastic threshold in cell size control</i> Prof. Yang BAI (白阳)		
Session 4. Chairman: Prof. Xinpeng XU (徐新鹏)		Local Restaurant “影响”潮菜馆	
15:30-17:00	<i>Round Table Discussion (圆桌讨论)</i>		
17:00-20:00	Dinner (晚饭)		