ICTMC22 Keynote Purple Crystal Palace (1F)

Date	Time	Chair	Name	Affiliation	Title of the Talk
Sep.10	08:30-08:45	**Opening**			
	08:45-09:15	Xin-Gao Gong	**Xian-Hui Chen**	University of Science and Technology of China	Superconducting stripes and anisotropic TC in an oxide heterostructure EuO/KTO(110)
	09:15-09:45		**Zhen-Yu Zhang**	University of Science and Technology of China	Element-mutated ternary systems as topologically nontrivial two-dimensional magnets
	09:45-10:15		**Lin-Wang Wang**	Institute of Semiconductors, CAS	PWmat：the progress report of a GPU plane wave first principles calculation package
	10:15-10:30	Coffee & Tea Break			
	10:30-11:00	Jian-Hua Zhao	**Li-Dong Chen**	Shanghai Institute of Ceramics,CAS	Semiconducting chalcogenides: ductility and thermoelectric properties
	11:00-11:30		**Gerrit Ernst-Wilhelm Bauer**	Tohoku University, Japan	Selected Topics in Magnonics and Ferronics
	11:30-12:00		**Young Hee Lee**	Sungkyunkwan University	Van der Waals-Layered Magnetic Semiconductors:Diluted Magnetic Semiconductors (DMSs)
Sep.13	08:30-09:00	Jun-Wei Luo	**Hideo Hosono**	Tokyo Institute of Technology, Japan	Recent Advances in Materials and Application of Electrides
	09:00-09:30		**Feng-Qi Liu**	Institute of Semiconductors, CAS	Realization of Quantum Dot Cascade Laser Structure
	09:30-10:00		**Yong Zhang**	University of North Carolina at Charlotte	II-VI based organic-inorganic hybrid superlattices: structure, stability, and properties
	10:00-10:15	Coffee & Tea Break			
	10:15-10:45	Su-Huai Wei	**David Cahen**	Weizmann Institute	Structural Disorder in Photovoltaic Materials
	10:45-11:15		**Qing-Bo Meng**	Institute of Physics,CAS	The Pathway to >15% Efficiency Emerging Kesterite Solar Cells
	11:15-11:45		**Mikhail Otrokov**	Institute of Nanoscience and Materials of Aragon in Zaragoza	Intrinsic Magnetic Topological Insulators of the $MnBi_2Te_4$ Family
	11:45	**Closing**			

Meeting Room 3 (2F)

Topic : Computational material design and modeling

Date	Time	Session Chair	Name	Affiliation	Title of the Talk
Sep.10	14:00-14:20	Wan-Jian Yin	**Jing Ma**	Nanjing University	Stability Prediction of Gold Nanoclusters with Different Ligands and Doped Metals
	14:20-14:40		**Li-Min Liu**	Beihang University	The Nature of Excess Electrons and their Effect on the Activity of Reduced Metal Oxides
	14:40-15:00		**Xiang-Mei Duan**	Ningbo University	Microscopic Mechanisms of Photovoltaic Conversion and Material Design
	15:00-15:20		**Xin-Gang Zhao**	Northeast Normal University	Screen d-electron ternary oxide memristors based on anti-doping principles
	15:20-15:40		**Jun-Jie Wang**	Nanjing University	Machine learning accelerated crystal structure prediction of ternary and multinary compounds
	15:40-15:50	Coffee & Tea Break			
	15:50-16:10	Li-Jun Zhang	**Zhi-Mei Sun**	Beihang University	Accelerating the Discovery and Design of Novel Materials by ALKEMIE
	16:10-16:30		**Zhu-Hua Zhang**	Nanjing University of Aeronautics and Astronautics	Rich structures and functionalities at interfaces of 2D materials
	16:30-16:50		**Jun Kang**	Beijing Computational Science Research Center	Effect of site disorder on the defect properties of $MgSnN_2$
	16:50-17:10		**Liang Ma**	Southeast University	Controllable Nucleation Mechanism and Epitaxy Descriptor of Two-Dimensional Materials
	17:10-17:30		**Li Huang**	Southern University of Science and Technology	Magneto-Optical Properties and Hall Effects with Net Zero Magnetism
		Dinner			
Sep.11	08:30-08:50	Ji-Hui Yang	**Shi-Xuan Du**	Institute of Physics,CAS	Rational Design of Ternary and Multinary Materials with Designed Properties
	08:50-09:10		**Xian-Bin Li**	Jilin University	Computational Study of Multinary Chalcogenide Semiconductors for Low-Power Phase-Change Memory Applications
	09:10-09:30		**Bin Xu**	Soochow University	Electric-field control of magnetism in $BiFeO_3$-based multiferroics
	09:30-09:50		**Xie Zhang**	Northwestern Polytechnical University	Computational screening of multinary compounds for deep-ultraviolet light emitters
	09:50-10:10		**Zhi-Xin Guo**	Xi'an Jiaotong University	Efficient electrostatic control of 2D magnets in bilayer ternary compounds with enhanced interlayer magnetic coupling and its device application
	10:10-10:20	Coffee & Tea Break			
	10:20-10:40	Xie Zhang	**Wei-Chao Wang**	Nankai University	Mn-based ternay mullites for environmental and energy applications
	10:40-11:00		**Bing Huang**	Beijing Computational Science Research Center	Manipulation of Nonlinear Optical Properties in Semiconductors
	11:00-11:20		**Yi-Yang Sun**	Shanghai Institute of Ceramics,CAS	Recent Progress on Studies of Chalcogenide Perovskites as Functional Materials
	11:20-11:40		**Lei Shen**	National University of Singapore (NUS)	Crystal Structure Relaxation with Machine Learning
	11:40-12:00		**Tian-Qi Deng(oral)**	Zhejiang University	Computational Survey of the Charge Carrier Scattering Mechanisms in Compound Semiconductors
	12:00-14:00		Lunch & Rest		

Meeting Room 3 (2F)

Topic : Material growth and characterization techniques

Date	Time	Session Chair	Name	Affiliation	Title of the Talk
Sep.11	14:00-14:20	Bo Shen	**Qian Sun**	Suzhou Institute of Nano-Tech and Nano-Bionics, CAS	Ga(Al, In)N-based Light Emitting Devices Grown on Si
	14:20-14:40		**Xiao-Juan Sun**	Changchun Institute of Optics, Fine Mechanics and Physics,CAS	Growth and defect regulation of non-polar AlN-based materials
	14:40-15:00		**Yang Liu**	Sun Yat-Sen University	Self-Screening Effect of Polarizaiton Electric Field in bulk Galium Nitride and its applications
	15:00-15:20		**Ping Wang**	Peking University	Epitaxial Growth and Characterization of Emerging Sc-III-Nitride Ferroelectrics
	15:20-15:40		**Ya-Ping Wu**	Xiamen University	Growth of Type-II Hexagonal and Rhombohedral Janus van der Waals Heterostructures with Enhanced Valley Polarization
	15:40-15:50		Coffee & Tea Break		
	15:50-18:00	**Poster Session**			
	18:30-20:00		Banquet (for all participants, including dinner and Poster Award Announcement)		
Sep.12	08:30-08:50	Man-Ling Sui	**Xue-Lin Yang**	Peking University	Atomistic Understanding of Dislocation Climb in Nitride
	08:50-09:10		**Sen Huang**	Institute of Microelectronics of Chinese Academy of Sciences	Threshold voltage instability in III-nitride heterostructure metal–insulator–semiconductor high-electron-mobility transistors
	09:10-09:30		**Ke Wang**	Nanjing University	III nitride digital alloys and deep UV LEDs grown by molecular beam epitaxy
	09:30-09:50		**Rong-Fu Chen**	City University of Hong Kong	3D atom dynamics for multi-component doped helix materials
	09:50-10:10		**Jian-Hua Zhao**	Institute of Semiconductors, CAS	Molecular-beam epitaxy and optical properties of high-quality ultrathin homogeneous $GaAs_{1-x}Sb_x$ ternary semiconductor nanowires
	10:10-10:20		Coffee & Tea Break		
	10:20-10:40	Xue-Lin Yang	**Xue-Dong Bai**	Institute of Physics,CAS	Surface growth and structural manipulation by in-situ TEM
	10:40-11:00		**He Tian**	Zhejiang University	In-situ manipulation of ferroelectric domain and domain walls
	11:00-11:20		**Rong Yu**	Tsinghua University	Direct imaging and positioning interstitial atoms in solids
	11:20-11:40		**Jian-Jun Tian**	University of Science and Technology Beijing	Colloidal fabrication of high-quality perovskite semiconductors for efficient devices
	11:40-12:00		**Qi Chen**	Beijing Institute of Technology	The heterogeneity in perovskite materials and solar cells
	12:00-14:00		Lunch & Rest		

Meeting Room 5 (2F)

Topic : Light emitting materials and light manipulation

Date	Time	Session Chair	Name	Affiliation	Title of the Talk
Sep.10	14:00-14:20	Zhong-Ming Wei	**Ai-Wei Tang**	Beijing Jiaotong University	Tunable Luminescence of Narrow-Bandwidth I-III-VI Type Semiconductor Nanocrystals for QLEDs
	14:20-14:40		**Jian-Xin Tang**	Macau University of Science and Technology	Synergetic Interface Engineering on Blue Perovskite Light-Emitting Diodes
	14:40-15:00		**Rong-Jun Xie**	Xiamen University	Luminescent materials for advanced displays
	15:00-15:20		**Guo-Fa Cai**	Henan University	Electrochromic Materials and Multifunctional Large-size Device
	15:20-15:40		**Yang Chai**	The Hong Kong Polytechnic University	Bioinspired in-sensor computing for artificial vision
	15:40-15:50		Coffee & Tea Break		
	15:50-16:10	Ai-Wei Tang	**Liang Li**	Soochow University	Perovskite Optoelectronic Devices
	16:10-16:30		**Hui Huang**	University of Chinese Academy of Sciences	Precise and Scalable Synthesis of Conjugated Polymers
	16:30-16:50		**Hua Li**	Shanghai Institute of Microsystem and Information Technology,CAS	GaAs/AlGaAs semiconductor laser based terahertz frequency combs
	16:50-17:10		**Shao-Teng Wu**	Institute of Semiconductors, CAS	Research on infrared SiGeSn LED on 12 inches silicon
	17:10-17:30		**Yue Zhao(oral)**	Harbin Institute of Technology	High Performance All-Inorganic Perovskite Photodetectors and Corresponding Arrays Imaging System
			Dinner		
Sep.11	08:30-08:50	Jian-Wei Wang	**Yi-Zheng Jin**	Zhejiang University	Device physics and material chemistry of quantum-dot light-emitting didoes
	08:50-09:10		**Zhi-Feng Shi**	Zhengzhou University	Lead-free halide perovskites luminescent materials and devices
	09:10-09:30		**Ting Wang**	Institute of Physics, CAS	III-V Quantum Dot Comb Laser on Silicon for Integrated Optical I/O
	09:30-09:50		**Xing-Jun Wang**	Peking University	Silicon photonics and system
	09:50-10:10		**Han Zhang(oral)**	Shanghai Institute of Ceramics, CAS	Exploration of New Chalcogenide Perovskite Materials for Optoelectronic Applications
	10:10-10:20		Coffee & Tea Break		
	10:20-10:40	Yi-Zheng Jin	**Jian-Wei Wang**	Peking University	Large-scale integrated quantum photonics
	10:40-11:00		**Xue Bai**	Jilin University	Lanthanide based materials and optoelectronic devices
	11:00-11:20		**Jing-Xuan Wei**	University of Electronic Science and Technology of China	Novel Polarization-sensitive Photodetectors Based on Photonic-Electronic Nanostructures
	11:20-11:40		**Chang-Xi Zheng**	Westlake University	Imaging deep ultraviolet photon-matter interaction using low-temperature quantum electron microscopy
	11:40-12:00				
	12:00-14:00		Lunch & Rest		

Meeting Room 5 (2F)

Topic : Complex wide-band-gap materials

Date	Time	Session Chair	Name	Affiliation	Title of the Talk
Sep.11	14:00-14:20	Xiao-Dong Pi	**Jian-Dong Ye**	Nanjing University	An avalanche-and-surge robust NiO/Ga_2O_3 p-n heterojunction power diode
	14:20-14:40		**Xiao Yu**	Hangzhou Institute of Technology, Xidian University	Impact of Oxygen Vacancy on Ferroelectric Characteristics and Reliability of $Hf_{0.5}Zr_{0.5}O_2$ (HZO) Thin Films
	14:40-15:00		**Wen-Bin Li**	Westlake University	Origin of the Unusually High Electrical Conductivity of the Delafossite Metal $PdCoO_2$
	15:00-15:20		**Yu-Ning Wu**	East China Normal University	Simulations of the irradiation damage of wide-bandgap semiconductors
	15:20-15:40		**Xue-Fen Cai**	Shenzhen University	Bismuth-alloyed Ga_2O_3 as a novel p-type transparent conducting oxide
	15:40-15:50		Coffee & Tea Break		
	15:50-18:00	**Poster Session**			
	18:30-20:00		Banquet (for all participants, including dinner and Poster Award Announcement)		
Sep.12	08:30-08:50	Jian-Dong Ye	**Hong-Lei Wu**	Shenzhen University	Impact of different energy level of aluminum nitride on photodetectors
	08:50-09:10		**Peng Zhang**	Shenzhen University	Theoretical exploration of electride materials with exotic physical properties
	09:10-09:30		**Jin-Song Xia**	Huazhong University of Science and Technology	Photonic Devices based on Thin-Film Lithium Niobate
	09:30-09:50		**Ya-Dong Xu**	Northwestern Polytechnical University	In Pursuit of high resolution $CsPbBr_3$ Gamma-ray Detectors by Optimization of Contact and Configuration
	09:50-10:10		**Yan-Jun Fang**	Zhejiang University	Suppression of Ion Migration in Halide Perovskites for Sensitivity and Stable X-ray Detectors
	10:10-10:20		Coffee & Tea Break		
	10:20-10:40	Peng Zhang	**Rong Wang**	Zhejiang University	Tailoring the kinetic and electronic properties of dislocations in 4H-SiC by doping
	10:40-11:00		**Hong-Liang Zhang**	Xiamen University	The electronic structure and band alignment $(Al_xGa_{1-x})_2O_3/Ga_2O_3$ heterojunctions
	11:00-11:20		**Liang Wu**	Hangzhou Dianzi University	Progress and device prospects on bulk AlN crystal growth by PVT method
	11:20-11:40		**Jing-Xiu Yang**	Jilin Jianzhu University	Manipulation of Band Structure and Defect Properties in Semiconductor Materials
	11:40-12:00		**Hai-Wen Dai**	Nanyang Technological University	Advancing Data-Driven Inorganic Materials Discovery: Insights from a Successful Case and Challenges Posed by Disordered Structures
	12:00-14:00		Lunch & Rest		

Meeting Room 6 (2F)

Topic : Photocatalysis, thermoelectrics, and energy storage

Date	Time	Session Chair	Name	Affiliation	Title of the Talk
Sep.10	14:00-14:20	Wen-Qing Zhang	**Yuan-Hua Lin**	Tsinghua University	High performance dielectric capacitors
	14:20-14:40		**Ping Wei**	Wuhan University of Technology	Optimal design and performance evaluation of stable interfacial barrier layer for B_2Te_3-based thermoelectric devices
	14:40-15:00		**Yuan Deng**	BeiHang University	Multifield-Induced Fabrication Techniques for Bi_2Te_3-Based Thermoelectric Thick Films and Microdevices for Innovative Applications
	15:00-15:20		**Li-Wen Sang**	Fudan University	Homoepitaxial growth of p-GaN for pMOS capacitors
	15:20-15:40		**Bao-Ying Dou(oral)**	Henan University	Nonradiative Recombination in $Cu(In,Ga)Se_2$ Alloys
	15:40-15:50	Coffee & Tea Break			
	15:50-16:10	Xun Shi	**Chen-Guang Fu**	Zhejiang University	Topological Heusler magnets for transverse thermoelectric
	16:10-16:30		**Tian-Ran Wei**	Shanghai Jiao Tong University	Superior plasticity and thermoelectric performance of Ag_2S-Ag_2Se-Ag_2Te multinary materials
	16:30-16:50		**Qian Zhang**	Harbin Institute of Technology,Shenzhen	High performance $Mg_3(Bi,Sb)_2$-based thermoelectric generators
	16:50-17:10		**Pan Xiong**	Nanjing University of Science & Technology	Confined Ion Transport in Two-Dimensional Materials and High-Efficiency Energy Utilization
	17:10-17:30		**Qian-Hui Lou(oral)**	Zhejiang University	High Defect Tolerance in Heavy-band Thermoelectrics
		Dinner			
Sep.11	08:30-08:50	Wu Li	**Li-Ming Yang**	Huazhong University of Science and Technology	The electronic structure, magnetism, and it's strain modulation on A_3BX_2 compounds
	08:50-09:10		**Jia Li**	Tsinghua Shenzhen International Graduate School	Molecular Understanding of the Critical Role of Solid-Liquid Interface on Electrocatalysis
	09:10-09:30		**Jia-Zhen Wu**	Southern University of Science and Technology	Ru/Si 2D superlattice for alkaline hydrogen evolution reaction
	09:30-09:50		**Jian-Ping Xiao**	Dalian University of Chemical Physics,CAS	**Report Cancellation**
	09:50-10:10		**Xiang-Yue Meng(oral)**	University of Chinese Academy of Sciences	Lead free perovskite solar cells
	10:10-10:20	Coffee & Tea Break			
	10:20-10:40	Li-Ming Yang	**Si-Qi Shi**	Shanghai University	Design and Discovery of Novel Battery Materials
	10:40-11:00		**Hua-Bin Zhang**	KAUST Catalysis Center	Stories about single atom catalysis
	11:00-11:20		**Li-Dong Zhao**	BeiHang University	Advanced thermoelectric cooling materials
	11:20-11:40		**Wan-Jian Yin**	Soochow University	Expanding Multinary Oxide Perovskites for High-Performance Catalysts by Symbolic Regression
	11:40-12:00		**Li-Rong Hu(oral)**	Zhejiang University	p-type Dopability in Half-Heusler Thermoelectric Semiconductors
	12:00-14:00		Lunch & Rest		

Meeting Room 6 (2F)

Topic : Photovoltaic materials and applications

Date	Time	Session Chair	Name	Affiliation	Title of the Talk
Sep.11	14:00-14:20	Shi-You Chen	**Yi Zhang**	Nankai University	Qualified Absorber Layer Growth to Attain High Efficient Chalcogenide Thin Film Solar Cells
	14:20-14:40		**Da-Long Zhong**	National Institute of Clean-and-Low-Carbon Energy	Thin-Film Photovoltaic Technology Advancements and Industrialization Challenges: Sphalerite, Chalcopyrite, and Perovskite
	14:40-15:00		**Si-Xin Wu**	Henan University	Defect engineering of kesterite photovoltaics
	15:00-15:20		**Fang-Yang Liu**	Central South University	Bulk and Interface Modification for Copper-Zinc-Tin-Sulfide-Selenide Photovoltaic Thin Films
	15:20-15:40		**Jian-Jun Li**	Institute of Metal Research,CAS	Microscopic carrier loss mechanisms in kesterite $Cu_2ZnSn(S,Se)_4$ thin film solar cells
	15:40-15:50		Coffee & Tea Break		
	15:50-18:00		**Poster Session**		
	18:30-20:00		Banquet (for all participants, including dinner and Poster Award Announcement)		
Sep.12	08:30-08:50	Jing-Bi You	**Sheng-Zhong Liu**	Dalian University of Chemical Physics,CAS	Perovskite – a wonder material for solar cells
	08:50-09:10		**Yi-Xin Zhao**	Shanghai Jiao Tong University	Low dimensional perovskite and surface termination to passivate and stabilize perovskite photovoltaics.
	09:10-09:30		**Qing Zhao**	Peking University	Ion transport in micro-nano structures and related device applications
	09:30-09:50		**Meng-Lin Huang**	Fudan University	Defect correlation reveals critical defects in low-symmetry materials
	09:50-10:10		**Biao Zeng (oral)**	Shanghai Institute of Ceramics, CAS	CVD Synthesis of Millimeter-Scale BiSCl Nanorods and Bandgap Tuning via Structural Arrangement
	10:10-10:20		Coffee & Tea Break		
	10:20-10:40	Yi-Xin Zhao	**Ping-Qi Gao**	Sun Yat-Sen University	Indium-saving transparent electrode towards sustainable development of silicon heterojunction solar cells
	10:40-11:00		**Jun-Liang Yang**	Central South University	Printing Organic and Perovskite Solar Cells and their Modules
	11:00-11:20		**Wei-Min Li**	Shenzhen Institute of Advanced Technology, CAS	Over 20%-efficiency flexible and bending durable CIGS solar cell on stainless steel substrate through diffusion barrier insertion
	11:20-11:40		**Zai-Xing Yang**	Shandong University	Low-dimensional antimonide and optoelectronic devices
	11:40-12:00		**Ying Li**	Beijing Institute of Technology	Study on Bionic Visual Sensors Based on Lead-free Perovskite Materials
	12:00-14:00		Lunch & Rest		

Meeting Room 9 (2F)

Topic : Spintronic, multiferroic, and other magnetic compounds

Date	Time	Session Chair	Name	Affiliation	Title of the Talk
Sep.10	14:00-14:20	Pu Yu	**Maciej Sawicki**	Institute of Physics, Warsaw, Poland and RIEC, Tohoku University, Sendai	Towards Electric-Field Manipulation of Magnetization in Insulating Dilute Ferromagnets
	14:20-14:40		**Nguyen Duy KHANH**	Institute for Solid State Physics (ISSP), The University of Tokyo, Chiba, Japan	Topological transport behavior in intercalated van der Waals antiferromagnets
	14:40-15:00		**Yong-Bing Xu**	Nanjing University	Manipulation of spin ordering in 2D magnets
	15:00-15:20		**Chun-Gang Duan**	East China Normal University	Ternary and multinary ferrovalley materials
	15:20-15:40		**Jin-Xing Zhang**	Beijing Normal University	Artificial Symmetry Design for Magnetoelectric Phase Transition
	15:40-15:50		Coffee & Tea Break		
	15:50-16:10	Chun-Gang Duan	**Jin-Bo Yang**	Peking University	Development of Iron-rich Rare-earth permanent magnetic materials
	16:10-16:30		**Hong-Jun Xiang**	Fudan University	Property analysis and simulation package for materials (PASP) and its applications to magnetic and ferroelectri materials
	16:30-16:50		**Shuai Dong**	Southeast University	Alterferroicity
	16:50-17:10		**Pu Yu**	Tsinghua University	A correlated ferromagnetic polar metal by design
	17:10-17:30		**You-Wen Long**	Institute of Physics,CAS	Charge and spin states of $PbFeO_3$ and $PbCoO_3$ prepared under high pressure
			Dinner		
Sep.11	08:30-08:50	Chang-Song Xu	**Chang-Qing Jin**	Institute of Physics,CAS	New Spintronic Materials: Design , Synthesis & Characterizations
	08:50-09:10		**Ning Tang**	Peking University	Spin properties of the two-dimensional electron gas in GaN-based heterostructures
	09:10-09:30		**Gang Xiang**	Sichuan University	Transition Metal-doped Gallium Oxide Magnetic Semiconductor Thin Films: Fabrication, Characterizations and Potential Application in Magnetic Memristors
	09:30-09:50		**Zhi-Min Liao**	Peking University	Control over Berry curvature dipole and orbital magnetic moments
	09:50-10:10		**Jian Zhou**	Xi'an Jiaotong University	Neel vector tuning hidden bulk photocurrent generation in Mn-based ternary antiferromagnets
	10:10-10:20		Coffee & Tea Break		
	10:20-10:40	Chang-Qing Jin	**Tian-Xiang Nan**	Tsinghua University	Control of magnon spin transport in antiferromagnetic and multiferroic materials
	10:40-11:00		**Yu-Rong Yang**	Nanjing University	External field effects of ferroelectrics from first principles
	11:00-11:20		**Chang-Song Xu**	Fudan University	Fractional Quantum Ferroelectricity
	11:20-11:40		**Da-Hai Wei**	Institute of Semiconductors, CAS	Progresses of room temperature magnetic semiconductors based on Antimonides and Germanide
	11:40-12:00		**Zi-Ang Meng**	BeiHang University	High-temperature ferromagnetism in ternary oxide $La_2CoO_{4\pm x}$ thin films and its electrochemical applications
	12:00-14:00		Lunch & Rest		

Meeting Room 9 (2F)

Topic : Miscellaneous

Date	Time	Session Chair	Name	Affiliation	Title of the Talk
Sep.11	14:00-14:20	Hui-Xiong Deng	**Hang-Hui Chen**	NYU Shanghai	A first-principles study of nickelate superconductors
	14:20-14:40		**Shi Liu**	Westlake University	Understand Ferroelectrics with Universal Force Field
	14:40-15:00		**Xin Yang**	Center for High Pressure Science&Technology Advanved	Theoretical Design of High-temperature Superconductivity in Metal Borides
	15:00-15:20		**Zhe-Shuai Lin**	Technical Institute of Physics and Chemistry,CAS	Isotropic Zero Thermal Expansion and Good Optical Transparence in Sodalite Framework Crystals
	15:20-15:40		**Jun-Yi Zhu**	The Chinese University of Hong Kong	Revised Electron counting models based on six-fold coordination and layers and its application in the phas change in transition metal oxides
	15:40-15:50		Coffee & Tea Break		
	15:50-18:00	**Poster Session**			
	18:30-20:00		Banquet (for all participants, including dinner and Poster Award Announcement)		
Sep.12	08:30-08:50	Bing Huang	**Wei Ji**	Renmin University of China	Coexistence of ferromagnetism and ferroelectricity in van der Waals bilayers
	08:50-09:10		**Yi Du**	BeiHang University	2D Frustrated Materials with Exotic Electronic Flat Bands
	09:10-09:30		**Song Li**	Winger physics Center	Quantum Emission from Coupled Spin Pairs in hBN
	09:30-09:50		**Liang Qiao**	University of Electronic Science and Technology of China	Critical Role of H for Superconductivity in Infinite-layer Nickelates
	09:50-10:10		**Bo-Nan Zhu**	Beijing Institute of Technology	Exploring earth-abundant Li-ion cathode materials using random structure searching
	10:10-10:20		Coffee & Tea Break		
	10:20-10:40	Wei Ji	**Jun Di**	Nanjing University of Science & Technology	2D atomic layer for photocatalytic CO_2 reduction
	10:40-11:00		**Li-Hui Song**	Zhejiang University	Research on the Irradiation Effects of Silicon Carbide
	11:00-11:20		**Chen Zhang**	Institute of Semiconductors, CAS	Theoretical understanding of correlation between magnetic phase transition and the superconducting dome in high Tc cuprates
	11:20-11:40		**Gao-Feng Teng(oral)**	Beijing Computational Science Research Center	Origin of the contrasting magnetic stability of antiferromagneti CuMnAs and CuMnSb
	11:40-12:00		**Han-Pu Liang(oral)**	Beijing Computational Science Research Center	Critical Role of Configurational Disorder in Stabilizing Chemically Unfavorable Coordination in Comple Compounds
	12:00-14:00		Lunch & Rest		