

NMDC 2020 Conference Agenda

	Beijing Time	Note	Speakers	Speech Title	
Oct. 26, 2020 Day-1	08:00-08:30	Opening Speech	James Morris, IEEE NTC president	Opening speech	
	08:30-09:30	Plenary Speech	Huiming Cheng, Academician, TBSI	Six-Membered-Ring Inorganic Materials: Definition and Prospects	
	09:30-10:30	Plenary Speech	Ming Liu, Academician, CAS-IME	HfO ₂ based Ferroelectric Memory	
	10:30-11:30	Plenary Speech	Rod Ruoff, Director of CMCM, UNIST	F-diamane from AB Stacked Graphene	
	14:00-14:30	Keynote Speech	Yang Chai, HK Poly	Optoelectronic Resistive Random Access Memory for Neuromorphic Vision Sensors	
	14:30-15:00	Keynote Speech	Hu (Tiger) Tao, CAS-SIM	TBA	
	15:00-15:30	Keynote Speech	Jianbin Xu, CUHK	Enhanced Optoelectronic Devices Composed of 2D Layered Materials	
	15:30-16:00	Keynote Speech	Peng Zhou, Fudan	2D Materials for Next-generation Computing Technologies	
	16:00-16:30	Keynote Speech	Qing Dai, NCNT	Plasmon-Enhanced Infrared Spectroscopy with 2D materials	
	16:30-17:00	Keynote Speech	Fei Wei, Tsinghua	TBA	
	17:00-17:20	Invited Speech	Qianqian Huang, Peking U	Ferroelectric Field Effect Transistor for Low Power Applications	
	17:20-17:40	Invited Speech	Jiamin Xue, Shanghai Tech	Measuring the Local Electronic Properties of 2D devices	
	17:40-18:00	Invited Speech	Weiqliang Liu, NUAA	CMOS and Nano-Device based Approximate Computing for AI Hardware Acceleration	
18:00-18:20	Invited Speech	Zenghui Wang, UESTC	Nanoelectromechanical Devices Based on low-dimensional Materials		
18:20-18:40	Invited Speech	Lin Wang, NJTech	Optical and Optoelectronic Properties of Emerging Two-dimensional Semiconductors		
Oct. 27, 2020 Day-2	07:00-07:30	Keynote Speech	Xiuling Li, UIUC	Self-rolled-up Membrane Nanotechnology for Passive Electronic Component Miniaturization and Integration	
	07:30-08:00	Keynote Speech	Aaron Franklin, Duke	Print-in-place Electronics Using Mixed-dimensional Nanomaterials	
	08:00-08:20	Invited Speech	Nanshu Lu, UT Austin	TBA	
	08:20-08:40	Invited Speech	Wen Li, Mich State	Microscale Optoelectronic Devices for Neural Interfacing	
	08:40-09:00	Invited Speech	Cunjiang Yu, U Houston	Rubbery Electronics: Electronics Fully Made of Stretchy Rubber Materials	
	09:00-09:20	Invited Speech	BiWu Ma, FSU	Metal Halide Perovskite Nanocrystals for Efficient Light Emitting Diodes	
	09:20-09:40	Invited Speech	Chao Wang, ASU	Low-noise Sapphire based Nanopore Sensors	
	09:40-10:00	Invited Speech	Wei Wu, USC	A Memristor-based Hybrid Analog-digital Computing Platform for Mobile Robotics	
	10:00-10:30	Keynote Speech	Lixin Dong, IEEE NTC vp	NanoRobotic Manipulation for In-situ Investigation of Nanodevices	
	10:30-11:00	Keynote Speech	Xuesong Li, UESTC	TBA	
	15:00-15:30	Keynote Speech	Xiaodong Pi, Zhejiang U	Optoelectronic Synaptic Devices Enabled by Silicon-based Heterostructures	
	15:30-16:00	Keynote Speech	Pingheng Tan, CAS-SEMI	Phonon and Raman Scattering of 2D Van Der Waals Heterostructures	
	16:00-16:20	Invited Speech	Haijun Yu, CAS-SIMM	Stimuli-activatable Nanomedicine for Cancer Immunotherapy	
	16:20-16:40	Invited Speech	Zhongming Wei, CAS-SEMI	Polarization-Sensitive Photodetectors based on 2D Layered Semiconductors	
	16:40-17:00	Invited Speech	Li Ji, Fudan	Wafer-scale Synthesis of Transition Metal Dichalcogenide via Atomic Layer Deposition	
	17:00-17:20	Invited Speech	Huabing Chen, Soochow University	Self-assembled Nanoparticles for Cancer Phototherapy	
	17:20-17:40	Invited Speech	Carlo Grazianetti, CNR	Silicene and the Xenos: new routes for 2D materials-based electronics and photonics	
	17:40-18:00	Invited Speech	Mario Lanza, Soochow University	Advanced Nanoelectronic Characterization of Materials and Devices by Conductive Atomic Force Microscopy	
	18:00-18:30	Keynote Speech	Manish Chhowalla, Cambridge	Van der Waals Contacts on 2D Semiconductors	
18:30	Closing Remarks & NMDC2021 announcement			Xiaoning Jiang (NCSU) & Kremena Makasheva (CNRS)	