

NEMO2020 Program Overview

Day 1, December 7th, 2020

Monday, December 7th, 2020	08:20-08:50 Opening Ceremony (Grand Ballroom, 1st floor of VIP Building): Professors Wen-Yan Yin, Er-Ping Li, & Junfa Mao						
	08:50-09:40 Keynote Speech 1 (Grand Ballroom, 1st floor of VIP Building): <i>Professor Qi Jun Zhang</i>, Machine Learning and Cognition-Driven Approaches to Microwave Design (Chair: Prof. Junfa Mao)						
	09:40-10:00 Coffee Break (<u>Group Photo Taking Time</u>)						
	10:00-10:50 Keynote Speech 2 (Grand Ballroom, 1st floor of VIP Building): <i>Professor Bin Yu</i>, Micro/Nanoelectronics: Towards End of Scaling and Beyond (Chair: Prof. Junfa Mao)						
	10:50-11:40 Keynote Speech 3 (Grand Ballroom, 1st floor of VIP Building): <i>Professor Eric Michielssen</i>, Wigner-Smith Time Delays in Electromagnetics (Chair: Prof. Junfa Mao)						
	11:40-12:30 Lunch Break (Dining area, 2nd floor of the Main Building)						
		Grand Ballroom A, 1st floor of VIP Building (锦绣 A, 贵宾楼)	Grand Ballroom B, 1st floor of VIP Building (锦绣 B, 贵宾楼)	Lotus Room, 1st floor of VIP Building (莲花厅, 贵宾楼)	LONGJING Room, 2nd floor of Main Building (龙井厅, 主楼)	HUAGANG Room, 2nd floor of Main Building (花港厅, 主楼)	CHUNXIAO Room, 1st floor of Main Building (春晓厅, 主楼)
	12:30-14:30	Session 2 Deep Neural Network- Based Optimization and Applications I	Session 4 Progress in Metasurfaces and Metamaterials I	Session 5 Hybrid FDTD Method and Applications	Session 33 New Progress in Theory, Design, and Applications of Metasurfaces I	Session 9 Theory and Application of Electromagnetic- Thermal Co- simulation I	Session 3 Advances in Numerical Modeling and Nanophotonics I

	14:30-16:30	Session 29 Fast Hybrid Integral Equation Algorithms for Simulating Transient EM Responses I	Session 4 Progress in Metasurfaces and Metamaterials II	Session 5 Hybrid FDTD Method and Applications II	Session 33 New Progress in Theory, Design, and Applications of Metasurfaces II	Session 9 Theory and Application of Electromagnetic-Thermal Co-simulation II	Session 14 Modeling and Simulation of High Power Microwave Effects for EM Protection I
	16:30-16:40	Coffee Break					
	16:40-18:40	Session 15 Electrothermal Modeling and Simulation of High Density Interconnects I	Session 35 5G Mobile System Analysis and Modeling I	Session 6 Computational Nanoelectronics and Applications I	Session 8 Quantum Electromagnetic I	Session 11 Transistor Modeling for Microwave Device and Circuit	Session 14 Modeling and Simulation of High Power Microwave Effects for EM Protection II
	19:00-21:00	Welcome Reception (Dining area, 2nd floor of the Main Building) West Lake Cruise (Only for female attendees)					
	Day 2, December 8th, 2020						
	08:00-08:50	Keynote Speech 4 (Grand Ballroom, 1st floor of VIP Building): <i>Professor Ke Wu</i>, Modeling and Simulation Challenges Involving Multi-Physics, Multi-Scale, Multi-Dimension and Multi-Signal Electromagnetics (Chair: Prof. Er-Ping Li)					
	08:50-09:40	Keynote Speech 5 (Grand Ballroom, 1st floor of VIP Building): <i>Professor Jianming Jin</i>, Dynamically Adaptive Refinement for Multiphysics and Multiscale Modeling (Chair: Prof. Er-Ping Li)					
	09:40-09:50	Coffee Break					
	09:50-10:40	Keynote Speech 6 (Grand Ballroom, 1st floor of VIP Building): <i>Professor Joung-ho Kim</i>, Deep Learning Based Design and Simulation Methodologies for HBM (High-bandwidth Memory Module) in Artificial Intelligence (AI) Server Computers (Chair: Prof. Wen-Yan Yin)					
	10:40-11:30	Keynote Speech 7 (Grand Ballroom, 1st floor of VIP Building): <i>Professor Koichi Ito</i>,					

Tuesday, December 8th, 2020		Evaluation of Wearable and Implantable Wireless Medical Devices (Chair: Prof. Wen-Yan Yin)						
	11:30-12:30	Lunch Break (Dining area, 2nd floor of the Main Building)						
		Grand Ballroom A, 1st floor of VIP Building (锦绣 A, 贵宾楼)	Grand Ballroom B, 1st floor of VIP Building (锦绣 B, 贵宾楼)	Lotus Room, 1st floor of VIP Building (莲花厅, 贵宾楼)	LONGJING Room, 2nd floor of Main Building (龙井厅, 主楼)	HUAGANG Room, 2nd floor of Main Building (花港厅, 主楼)	CHUNXIAO Room, 1st floor of Main Building (春晓厅, 主楼)	Osmanthus Room, 2nd floor of VIP Building (桂雨厅, 贵宾楼)
	12:30-14:30	Session 28 Modeling, Simulation and Design of THz Devices and Circuits I	Session 16 Fast Computational Electromagnetics Algorithms and Applications I	Session 12 Machine Learning for Metasurface Imaging I	Session 13 Computational Nanophotonics I	Session 34 Large Signal Behavior Modeling of RF Transistors and Circuits	Session 1 Modeling, Simulation and Design of 3DIC and Advanced Packaging I	Women in NEMO for MAPE (Chair: Wenquan Che)
	14:30-16:30	Session 28 Modeling, Simulation and Design of THz Devices and Circuits II	Session 16 Fast Computational Electromagnetics Algorithms and Applications II	Session 17 Modeling and Simulation of Marine Electromagnetic I	Session 22 High Frequency Algorithms and Applications I	Session 24 EMC Modeling, Design and Simulations and Applications I	Session 19 Deep Learning Imaging and Applications I	
	16:30-16:40	Coffee Break						
	16:40-18:40	Session 28 Modeling, Simulation and Design of THz Devices and Circuits III	Session 16 Fast Computational Electromagnetics Algorithms and Applications III	Session 17 Modeling and Simulation of Marine Electromagnetic II	Session 22 High Frequency Algorithms and Applications II	Session 24 EMC Modeling, Design and Simulations and Applications II	Session 19 Deep Learning Imaging and Applications II	

	18:50-21:00	Banquet, Award Ceremony (Dining area, 2nd floor of the Main Building)					
Wednesday, December 9th, 2020	Day 3, December 9th, 2020						
		Grand Ballroom A, 1st floor of VIP Building (锦绣 A, 贵宾楼)	Grand Ballroom B, 1st floor of VIP Building (锦绣 B, 贵宾楼)	Lotus Room, 1st floor of VIP Building (莲花厅, 贵宾楼)	LONGJING Room, 2nd floor of Main Building (龙井厅, 主楼)	HUAGANG Room, 2nd floor of Main Building (花港厅, 主楼)	CHUNXIAO Room, 1st floor of Main Building (春晓厅, 主楼)
	08:00-10:00	Session 32 Antenna Modeling, Simulation and Applications I	Session 18 Modeling and Design of Novel Microwave Devices for 5G Applications I	Session 30 Efficient Optimization Using Multi-fidelity surrogate I	Session 25 Modeling of Inverse Electromagnetic Problems and Their Simulation I	Session 20 Modeling and Optimization of 2- and 3-D Structures for Electromagnetic Protection I	Session 37 New Progress in Antenna Theory and Techniques I
	10:00-10:10	Coffee Break					
	10:10-12:10	Session 32 Antenna Modeling, Simulation and Applications II	Session 10 High-Performance Computing Electromagnetic and Multiphysics and Applications I	Session 26 Wave Propagation and Scattering of Sea-ship I	Session 25 Modeling of Inverse Electromagnetic Problems and Their Simulation II	Session 21 Reliability Modeling of RF Devices and Circuits I	Session 37 New Progress in Antenna Theory and Techniques II
	12:10-13:10	Lunch Break (Dining area, 2nd floor of the Main Building)					

	13:10-15:10	Session 27 Novel Electromagnetic Materials Modeling, Simulation and Application I	Session 10 High-Performance Computing Electromagnetic and Multiphysics and Applications II	Session 31 Women in NEMO for MAPE Efficient Electromagnetic Algorithms and Validation I	Session 7 Random Media and Remote Sensing I	Session 36 Women in NEMO for MAPE Modelling, Design and Application of mm-wave antennas I	Session 23 Modeling, Simulation and Design of RF Devices and Circuits for 5G Communication I
	15:10-15:20	Coffee Break					
	15:20-17:20	Session 27 Novel Electromagnetic Materials Modeling, Simulation and Application II	Session 10 High-Performance Computing Electromagnetic and Multiphysics and Applications III	Session 31 Women in NEMO for MAPE Efficient Electromagnetic Algorithms and Validation II	Session 7 Random Media and Remote Sensing II	Session 36 Women in NEMO for MAPE Modelling, Design and Application of mm-wave antennas II	
	18:00-21:00	Farewell Dinner (Dining area, 2nd floor of the Main Building) & &Thousands of Years of love for Songcheng					

Note: [The poster session](#) is scheduled on December 8, 2020, 12:30-14:30, on the Grand Ballroom Corridor (锦绣厅走廊)

Conference Address: Deefly Zhejiang Hotel, 278 Santaishan Road, Xihu District, Hangzhou

会议地址: 杭州市西湖区三台山路 278 号 浙江宾馆