

# NEMO2020 Program Overview

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

	14:30-16:30	<b>Session 29</b> Fast Hybrid Integral Equation Algorithms for Simulating Transient EM Responses I	<b>Session 4</b> Progress in Metasurfaces and Metamaterials II	<b>Session 5</b> Hybrid FDTD Method and Applications II	<b>Session 33</b> New Progress in Theory, Design, and Applications of Metasurfaces II	<b>Session 9</b> Theory and Application of Electromagnetic-Thermal Co-simulation II	<b>Session 14</b> Modeling and Simulation of High Power Microwave Effects for EM Protection I
	16:30-16:40	<b>Coffee Break</b>					
	16:40-18:40	<b>Session 15</b> Electrothermal Modeling and Simulation of High Density Interconnects I	<b>Session 35</b> 5G Mobile System Analysis and Modeling I	<b>Session 6</b> Computational Nanoelectronics and Applications I	<b>Session 8</b> Quantum Electromagnetic I	<b>Session 11</b> Transistor Modeling for Microwave Device and Circuit	<b>Session 14</b> Modeling and Simulation of High Power Microwave Effects for EM Protection II
	19:00-21:00	<b>Welcome Reception (Dining area, 2<sup>nd</sup> floor of the Main Building)</b> <b>West Lake Cruise (Only for female attendees)</b>					
	<b>Day 2, December 8<sup>th</sup>, 2020</b>						
	08:00-08:50	<b>Keynote Speech 4 (Grand Ballroom, 1<sup>st</sup> 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)</b>					
	08:50-09:40	<b>Keynote Speech 5 (Grand Ballroom, 1<sup>st</sup> floor of VIP Building): <i>Professor Jianming Jin</i>, Dynamically Adaptive Refinement for Multiphysics and Multiscale Modeling (Chair: Prof. Er-Ping Li)</b>					
	09:40-09:50	<b>Coffee Break</b>					
	09:50-10:40	<b>Keynote Speech 6 (Grand Ballroom, 1<sup>st</sup> floor of VIP Building): <i>Professor JoungHo 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)</b>					
	10:40-11:30	<b>Keynote Speech 7 (Grand Ballroom, 1<sup>st</sup> floor of VIP Building): <i>Professor Koichi Ito</i>,</b>					

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

	19:00-21:00	<b>Banquet, Award Ceremony (Dining area, 2<sup>nd</sup> floor of the Main Building)</b>					
<b>Wednesday, December 9<sup>th</sup>, 2020</b>	<b>Day 3, December 9<sup>th</sup>, 2020</b>						
		<b>Grand Ballroom A, 1<sup>st</sup> floor of VIP Building (锦绣 A, 贵宾楼)</b>	<b>Grand Ballroom B, 1<sup>st</sup> floor of VIP Building (锦绣 B, 贵宾楼)</b>	<b>Lotus Room, 1<sup>st</sup> floor of VIP Building (莲花厅, 贵宾楼)</b>	<b>LONGJING Room, 2<sup>nd</sup> floor of Main Building (龙井厅, 主楼)</b>	<b>HUAGANG Room, 2<sup>nd</sup> floor of Main Building (花港厅, 主楼)</b>	<b>CHUNXIAO Room, 1<sup>st</sup> floor of Main Building (春晓厅, 主楼)</b>
	08:00-10:00	<b>Session 32</b> Antenna Modeling, Simulation and Applications I	<b>Session 18</b> Modeling and Design of Novel Microwave Devices for 5G Applications I	<b>Session 30</b> Efficient Optimization Using Multi-fidelity surrogate I	<b>Session 25</b> Modeling of Inverse Electromagnetic Problems and Their Simulation I	<b>Session 20</b> Modeling and Optimization of 2- and 3-D Structures for Electromagnetic Protection I	<b>Session 37</b> New Progress in Antenna Theory and Techniques I
	10:00-10:10	<b>Coffee Break</b>					
	10:10-12:10	<b>Session 32</b> Antenna Modeling, Simulation and Applications II	<b>Session 10</b> High-Performance Computing Electromagnetic and Multiphysics and Applications I	<b>Session 26</b> Wave Propagation and Scattering of Sea-ship I	<b>Session 25</b> Modeling of Inverse Electromagnetic Problems and Their Simulation II	<b>Session 21</b> Reliability Modeling of RF Devices and Circuits I	<b>Session 37</b> New Progress in Antenna Theory and Techniques II
	12:10-13:10	<b>Lunch Break (Dining area, 2<sup>nd</sup> floor of the Main Building)</b>					

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

**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

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