

CONFERENCE DAY 1

Wednesday July 6th 2022

Name Room	Slot 105 09:15-10:30		Slot 110 11:00-12:40	Slot 115 12:40-13:00		Slot 120 14:20-16:00		Slot 125 16:20-18:00	
Aula Magna	Keynote Talk 1 (Lai, Chao-Sung) Chair: Antonio Rubio	COFFEE BREAK			LUNCH BREAK				
Cafeteria				Poster Session 1 Chair: Esteve Amat					
AA11; AB25; AB25							Nanofabrication Oral Session Chair: Chao-Sung Lai		Nano-Acoustic and Nano-Sensor Devices Oral Session Chair: Lan Fu
AB25, AB26; AB26				Quantum, Neuromorphic and Unconventional Computing Oral Session Chair: Vladimirescu, Andrei			Nano-Optics Oral Session Chair: Yehia Massoud		Nanoelectronics #2 Oral Session Chair: Malgorzata Chrzanowska- Jeske
AB26; AB27; AB27				Nanophotonics and Nano-Optoelectronics Oral Session Chair: Lan Fu			Nanomagnetics Oral Session Chair: Supriyo Bandyopadhyay		Processes and Materials Oral Session Chair: Jan Macák
AB27; AV01; AV01				Nanorobotics and nanomanufacturing Oral Session Chair: Bahareh Khezri			Nanosensors and nanoactuators Oral Session Chair: Xiaoning Jiang		Nanofabrication #2 Oral Session Chair: Kremena Makasheva
AV01; AV02; AV02				Nano-Metrology and Characterization Oral Session Chair: Xianping Liu			Nano-Materials #2 Oral Session Chair: James E. Morris		Infrared photodetection and intelligent perception Oral Session Chair: Weida Hu
Aula Magna				Nano-Materials Oral Session Chair: Chao-Sung Lai			Nanoelectronics Oral Session Chair: Malgorzata Chrzanowska-Jeske		Modeling and Simulation Oral Session Chair: Xiaoning Jiang

**NOTE: On Tuesday 5th of July, in Room AV02 there is a special session organized by Professors Anant Anantram and Josef Weinbub, entitled:
Emerging Methods to Model Nanodevices and Nanostructures: From Theory to Large-scale Computational Modeling**

CONFERENCE DAY 2Thursday July 7th 2022

Name Room	Slot 100 09:15-10:30		Slot 105 11:00-12:40	Slot 110 12:40-13:00		Slot 115 14:30-15:30	Slot 120 15:30-17:10		Slot 125 17:30-19:10	
Aula Magna	Keynote Talk 2 (Li, Xiuling) Chair: Fabrizio Lombardi	COFFEE BRAKE			LUNCH BRAKE			COFFEE BRAKE		
Cafeteria				Poster Session 2 Chair: Attila Bonyár						
Aula Magna							Plenary Talk 1 (Sarkar, Deblina) Chair: Georgios Ch. Sirakoulis			
AB25, AA11, AA11				Nano-Materials #3 Oral Session Chair: James E. Morris						
AB26, AB25				Modeling and Simulation #2 Oral Session Chair: Anant M.P. Anantram					Modeling and Simulation #3 Oral Session Chair: Anant M.P. Anantram	
AB27, AB26, AB25				Quantum, Neuromorphic and Unconventional Computing #2 Oral Session Chair: Vito Puliafito					Unconventional Computing: new Challenges for Nanotechnology Oral Session Chair: Vito Puliafito	Plasma-free anisotropic etching of semiconductors: MacEtch and related nanotechnology Oral Session Chair: Xiuling Li
AV01, AB26, AB26				First Principles Modeling and Simulation of Plasma Processes for Atomic Scale Precision Semiconductor Device Fabrication: Opportunities and Challenges Oral Session Chair: Peter Ventzek					First Principles Modeling and Simulation of Plasma Processes for Atomic Scale Precision Semiconductor Device Fabrication: Opportunities and Challenges #2 Oral Session Chair: Roberto Longo	Advanced Nanostructures: Fabrication, Characterization, Simulation and Application Perspectives Oral Session Chair: Vladimir M. Fomin

<p>AV02, AB27, AB27</p>		<p>The impact of 2D nanomaterials on green high- frequency technology Oral Session Chair: Eleonora Pavoni</p>			<p>Nanofabrication for Quantum Technologies Oral Session Chair: Esteve Amat</p>	<p>Nanofabrication for Quantum Technologies #2 Oral Session Chair: Francesc Perez- Murano</p>
<p>Aula Magna</p>		<p>Nano-Biomedicine Oral Session Chair: Attila Bonyár</p>			<p>Nano-Biomedicine #2 Oral Session Chair: Jin-Woo Kim</p>	<p>Nano-Biomedicine #3 and Nano-Materials Oral Session Chair: Jin-Woo Kim</p>

CONFERENCE DAY 3Friday July 8th 2022

Name	Slot 105		Slot 110	Slot 115		Slot 120		Slot 125
Room	09:15-10:30		11:00-12:40	12:40-13:00		14:20-16:00		16:20-18:00
Aula Magna	Keynote Talk 3 (Vladimirescu, Andrei) Chair: Sorin Cotofana	COFFEE BRAKE			LUNCH BRAKE		COFFEE BRAKE	
Cafeteria				Poster Session 3 Chair: Jie Han				
Aula Magna; AB04; AB04			Nano-Biomedicine #4 Oral Session Chair: Andrei Vladimirescu,			State-of-the-Art, Open Issues, and Future Trends on Resistance Switching Memories: The Enabling Nanotechnologies for the More-than-Moore Era #2 Oral Session Chair: Antonio Rubio		State-of-the-Art, Open Issues, and Future Trends on Resistance Switching Memories: The Enabling Nanotechnologies for the More-than-Moore Era #3 Oral Session Chair: Georgios Ch. Sirakoulis
AB21, AB09			State-of-the-Art, Open Issues, and Future Trends on Resistance Switching Memories: The Enabling Nanotechnologies for the More-than-Moore Era Oral Session Chair: Ronald Tetzlaff			Special Session on Internet of Nanorobotic Things (IoNT) for Nano-Biomedicine Oral Session Chairs: Yifan Chen, Shaolong Shi, , U Kei Cheang		
AV01, AV01, AB09			Emerging Technologies: From Theory to Large-scale Realization Challenges of Quantum Computers Oral Session Chair: Roza Kotlyar			IEEE NTC MENED program #2 Oral Session Chair: Kremena Makasheva		IEEE NTC MENED program #3 Oral Session Chair: Kremena Makasheva
AV02			IEEE NTC MENED program Oral Session Chair: Kremena Makasheva					