RESEARCH CONNECTS

MATERIALS2027

3RD GLOBAL SUMMIT ON

MATERIALS SCIENCE AND NANOTECHNOLOGY

Dates: July 16-17, 2027 | Venue: Hamburg, Germany

	Day-1 | July 16, 2027	
09:00-09:30	**On Spot Registrations**	
Chair		**Rina Tannenbaum,** *Stony Brook University, USA*
09:30-10:00	**P**	**Title:** Ferroelectric Solution Deposited Oxide Layers for Flexible Electronic Systems
		Lourdes Calzada, *Materials Science Institute of Madrid, Spain*
10:00-10:30	**P**	**Title:** Will be updated soon
		Rina Tannenbaum, *Stony Brook University, USA*
10:30-11:00	**P**	**Title:** Scalable Manufacturing of Smart Sensors for Visual Detection of Hazardous Chemicals
		Peng Jiang, *University of FloridA, USA*
11:00-11:15	**Refreshment Break**	
11:15-11:45	**P**	**Title:** Will be updated soon
		Haixue Yan, *Queen Mary University of London, United Kingdom*
11:45-12:15	**P**	**Title:** Defect Engineering of Photoactive Materials towards Improved Performance for Energy and Environment Sustainability
		Chuanyi Wang, *Shaanxi University of Science & Technology, China*
12:15-12:45	**P**	**Title:** Advanced Strategies for Improved Cycling Stability of Sodium-Ion Batteries
		Diana Golodnitsky, *Tel Aviv University, Israel*
12:45-13:15	**P**	**Title:** Will be updated soon
		Navid Alinejadian, *KTH Royal Institute of Technology, Sweden*
13:15-14:15	**Group Photo**	
	Lunch	
14:15-14:45	**P**	**Title:** A Legacy of Atomic Scale Innovation - Powering the AI Era
		Gurtej Sandhu, *Micron Technology, USA*
14:45-15:15	**p**	**Title:** Will be updated soon
		Jin Huang, *Xidian University, China*
15:15-15:45	**P**	**Slot Available**
15:45-16:00	**Refreshment Break**	
16:00-16:25	**K**	**Title:** Ultra-Long Fatigue Life in Nanocrystalline Metallic Laminated Composites via Diffusion-Mediated Chemical Composition Gradients
		Bin Zhang, *Northeastern University, China*
16:25-16:50	**K**	**Title:** Ultimate High-k Challenges for Next-Generation Semiconductor Devices
		Jangyong Kim, *Xi'an Jiaotong-Liverpool University, China*

16:50-17:15	**K**	**Slot Available**
17:15-17:35	**I**	**Title:** From Conventional to Low Pressure Carburizing: A Multiscale Mechanical ana Microstructural Comparison fot 8620 Steel
		Baris Cetin, *FNSS Savunma Sistemleri A.S, Turkey*
17:35-17:55	**I**	**Title:** From Conventional to Low Pressure Carburizing: A Multiscale Mechanical ana Microstructural Comparison fot 8620 Steel
		Caner Bakrac, *FNSS Savunma Sistemleri A.S, Turkey*
17:55-18:15	**I**	**Slot Available**
18:15-18:35	**I**	**Title:** Antibody-Modified Screen-Printed Gold Electrodes for Label-Free Impedimetric Biosensing of Soluble CADM1
		Tanveer Ahmad, *Suranaree University of Technology, Thailand*
18:35-18:55	**I**	**Title:** Novel Metal-Organic Hybrid Soft Materials for Photocatalytic Hydrogen Production and CO2 Reduction
		Parul Tripathi, *Manipur University, India*
18:55-19:15	**I**	**Title:** (RuTiSnCrMn)Ox High-Entropy Oxide as Acid-Stable Electrocatalysts for the Oxygen Evolution Reaction
		Alireza Razazzadeh, *Pusan National University, South Korea*
POSTER	**PO1**	**Title:** Will be updated soon
		Keon Soo Jang, *University of Suwon, South Korea*
POSTER	**PO2**	**Slot Available**
Closing the Conference for Day 1		
*****Note: This is a Tentative Program, it is subjected to slight changes till Final Program**		