



3rd International Forum on
Condensed Matter Physics
 April 08-10, 2024 | Munich, Germany

Day 01, April 08, 2024	
Main Hall	
08:00 - 09:00	Registrations
09:00 - 09:15	Introduction & Opening Words
	Honorary Speech by Chair: Dieter Bimberg, CIOMP of Chin Acad. of Science, China and Institute for Solid State Physics, Germany
Plenary Session	
09:15 - 09:55	Title: Green Data Communication: Intelligent Physics and Engineering will Contribute to a Sustainable Society/Novel Quantum Dot Based Memories with Many Days of Storage Time: The Last Steps towards the Holy Grail
	Dieter Bimberg, Institute for Solid State Physics, Germany
09:55 - 10:35	Title: Fractal Aspects and Critical Lengthscales in Ferroelectrics
	Kenji Uchino, Pennsylvania State University, USA
10:35 - 11:15	Title: Elastomeric Actuators for Biomedical and Bioinspired Systems
	Federico Carpi, University of Florence, Italy
11:15 - 11:30	Coffee Break
11:30 - 12:10	Title: Solution of the Millennium Problem Concerning the Navier-Stokes Equations
	Alexander Ramm, Kansas State University, USA
12:10 - 12:50	Title: Modulating Hyperthermia Asymptotic Temperature via Core-Shell Magnetic Nano-Materials
	Paulo Cesar De Morais, Catholic University of Brasilia, Brazil
12:50 - 13:05	Group Photo
13:05 - 14:00	Lunch Break
Keynote Session	
14:00 - 14:30	Title: Perovskite Lattice Vacancy Effect on Antiferrodistortive Phase Transition of Doped Strontiumtitanate Ceramics
	Oleksandr Tkach, University of Aveiro, Portugal
14:30 - 15:00	Title: Towards a Circular Economy
	Neyara Radwan, Suez Canal University, Saudi Arabia
Invited Session	
15:00 - 15:25	Title: Strontium Ferromolybdate-Based Magnetic Tunnel Junctions
	Gunnar Suchanek, Technical University Dresden, Germany
15:25 - 15:50	Title: Nano-Structured Graphene with Zigzag Edges
	Tomohiro Matsui, Anritsu Corporation, Japan
15:50 - 16:15	Title: The Fantastically Magnetic Field-Induced Magnetism Evolution of the Iron-Based Materials
	Tingping Hou, Wuhan University of Science and Technology, China
16:15 - 16:30	Coffee Break

16:30 - 16:55	Title: Solution-Processed Organic LEDs Guohua Xie, Wuhan University, China
16:55 - 17:20	Title: Research Progress on Irradiation Damage of Nickel-Based Alloys used for Molten Salt Reactor Hefei Huang, Shanghai Institute of Applied Physics, China
17:20 - 17:45	Title: We will update soon Slot Available
17:45 - 18:05	Title: We will update soon Slot Available
18:05 - 18:20	Networkig/Closing Ceremony
Closing the Conference for Day 1	
Day 02, April 09, 2024	
Main Hall	
08:00 - 09:00	Registrations
Plenary Session	
9:00 - 9:40	Title: Novel Numerical Methods for Fractional Dynamical Systems and Applications Fawang Liu, Queensland University of Technology, Australia
9:40 - 10:20	Title: Van Der Waals Epitaxy of Oxycompounds for Advanced Electronics Ying Hao Chu, National Tsing Hua University, Taiwan
10:20 - 11:00	Title: Liquid Crystal Photoaligning and Photopatterning by Azodye Nano Layers: Photonics and Displays Devices Vladimir G Chigrinov, University of Science and Technology, Hong Kong
11:00 - 11:15	Coffee Break
11:15 - 11:55	Title: Grain Boundary Diffusion Induced Solid State Reactions - Cold Homogenization Dezso L Beke, University of Debrecen, Hungary
11:55 - 12:35	Title: Excitons in the Small World Vasudevan Biju, Hokkaido University, Japan
Keynote Session	
12:35 - 13:05	Title: Shape Reversibility and Crystallographic Studies in Copper Based Shape Memory Alloys Osman Adiguzel, Firat university, Turkey
13:05 - 13:15	Group Photo
13:15 - 14:00	Lunch Break
Keynote Session	
14:00 - 14:30	Title: Non-Equilibrium Quantum Transport in Molecular Transistors Ashok Chatterjee, University of Hyderabad, India
Invited Session	
14:30 - 14:55	Title: Investigation of the Physical Properties of SnSe Material Paoan Lin, Guangdong University of Petrochemical Technology, China

14:55 - 15:20	Title: Green Nano-Priming for Effective Biomedical Application Murtaza Hasan, University of Agriculture and Engineering, China
15:20 - 15:45	Title: Effect of Doping Transition Metals and Rare Earth Elements on the Physical Properties of Nanoparticles and Nanocomposites Zouheir Bitar, Beirut Arab University, Lebanon
15:45 - 16:10	Title: Soft Matter Systems Investigated at Nanoscale Cristiano L P Oliveira, University of Sao Paulo, Brazil
16:10 - 16:35	Title: Spin Transport and Thermodynamic Properties of the Heisenberg Model on Kagome and Triangular Lattices Leonardo Dos Santos Lima, Federal Center for Technological Education of Minas Gerais, Brazil
16:35 - 17:00	Title: Structural, Electronic and Optical Properties of Novel Double Perovskites $Rb_2Sn(Br_{1-u}I_u)_6$ ($u = 0.25, 0.33, 0.42$ and 0.5) for Photovoltaic and Optoelectronic Applications Amine Abdelaziz, University of Chouab Doukkali, Morocco
17:00 - 17:25	Title: We will update soon Slot Available
17:25 - 17:50	Title: We will update soon Slot Available
17:50 - 18:10	Networkig/Closing Ceremony
Closing the Conference for Day 2	
***Note: This is a Tentative Program, it is Subjected to changes till Final Program	