

PROGRAM SCHEDULE

6th October 2020, Tuesday

0800 - 0830	Registration (at UPM only)
0830-0900	OPENING CEREMONY Welcome Speech from <ul style="list-style-type: none">• Prof. Dr. Masato Murakami, President of Shibaura Institute of Technology (SIT), Japan• Prof. Dr. Mohd Basyaruddin Abdul Rahman, Dean, Faculty of Science, Universiti Putra Malaysia (UPM)• Prof. Dr. Abdul Halim Shaari, President of Malaysian Solid State Science and Technology Society (MASS)
Session I: Plenary and Keynote Chairperson: Prof. Dr. Abdul Halim Shaari	
0900 - 0930	PLENARY SPEAKER I - Prof. Dr. Muralidhar Miryala (SIT) Development of RE-123 Super-Magnets Use in The Day Life of Public
0930- 0955	KEYNOTE SPEAKER I - Prof. Dato' Dr. Roslan Abdul Shukor (UKM) Elastic Properties and Coherence Length of Superhydride Superconductors
0955 – 1020	KEYNOTE SPEAKER II - Assoc. Prof. Dr. Kean Pah Lim (UPM) Hole-Doped Manganites: A Spintronic Compound
1020 – 1040	Break
Session II: Oral Presentation Chairperson: Assoc. Prof. Dr. Soo Kien Chen	
1040 – 1100	Dr. Arlina Bt Ali (UMK) Effect of Additions Titanium Oxide on Mechanical and Physical Properties of YBCO Superconductor by Co-Precipitation Method
1100 – 1120	Dr. Alicja Klimkowicz (SIT) Oxygen Production and Storage Using Solids
1120 – 1140	Dr. Kumkum Ahmed (SIT) 3D Printable Functional Materials and Their Applications
1140 - 1200	Dr. Sai Srikanth Arvapalli (SIT) High Energy Ultra-sonication of Boron Powder for Low Cost and High-Performance Bulk MgB ₂

1200 – 1330	LUNCH
Session III: Keynote and Oral Presentation	
Chairperson: Assoc. Prof. Dr. Mohd Mustafa Awang Kechik	
1330 – 1355	KEYNOTE SPEAKER III - Assoc. Prof. Dr. Soo Kien Chen (UPM) Powder Technology for Enhancing Critical Current Density of MgB ₂
1355 – 1415	Dr. Durga Shankar (AU/SIT) Multifunctional Brownmillerites for Energy and Environmental Applications
1415 – 1430	Fatma Ali Alfirgani Barood (UPM) Synthesis of Pure YBa ₂ Cu ₃ O _{7-δ} Ceramic by Thermal Treatment Method
1430 – 1445	Lik Nguong Lau (UPM) Effect of TiO ₂ Nanoparticle Addition on the Structural, Magnetic, Electrical, and Magneto-Transport Properties of Sol-Gel Synthesised La _{0.67} Ca _{0.33} MnO ₃ Composites
1445 – 1500	Nurhidayah Binti Mohd Hapipi (UPM) Influence of Heat Treatment on Superconducting Properties of <i>Ex-Situ</i> MgB ₂ with Addition of Mg
1500 – 1515	Nurul Auni Binti Khalid (UPM) Significance of Zinc Ferrite Nanoparticles Addition on Transport and Superconducting Properties of Thallium-Based High Temperature Superconductor
1515 – 1530	Siti Nabilah Binti Abdullah (UPM) The Effect of Graphene Nanoparticle Addition on Bi-2223 Superconducting Properties Prepared via Co-Precipitation Method
1530 – 1545	Amirah Natasha Binti Ishak (UPM) Structural, Electrical and Magnetic Properties of Nd-Sr-Mn-O/CuO by Solid-State Reaction Method
1545 – 1600	Nur Athirah Binti Che Dzul-Kifli (UPM) Synthesis and Characterization of YBa ₂ Cu ₃ O ₇ Superconductor by Thermal Treatment Method with Multiferroic Addition

PROGRAM SCHEDULE
7th October 2020, Wednesday

0800 –0830	Registration (at UPM only)
Session IV: Plenary and Keynote Chairperson: Assoc. Prof. Dr. Kean Pah Lim	
0830 – 0900	PLENARY SPEAKER II - Prof. Dr. Abdul Halim Shaari (UPM) Recent Research Development in Superconductivity and Magnetism at Superconductor and Thin Film Laboratory UPM
0900 – 0925	KEYNOTE SPEAKER IV - Assoc. Prof. Dr. Mohd Mustafa Awang Kechik (UPM) Increased Critical Current Density and Pinning Force in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Thin Films by Nano Inclusions
0925 – 0950	KEYNOTE SPEAKER V - Prof. Tetsuo Oka (SIT) Nickel Resource Recovery from Plating Waste Using an Intense Field of Superconducting Bulk Magnets
0950 - 1000	Break
Session V: Oral Presentation Chairperson: Dr. Arlina Bt Ali	
1000 – 1020	Dr. Dita Puspita Sari (SIT) Distorted Superconducting Nodal Line in the Organic Superconductor $\lambda\text{-(BETS)}_2\text{GaCl}_4$
1020 – 1040	Choon Min Cheong (UPM) Characterization of $\text{YBa}_2\text{Cu}_4\text{O}_8$ Superconductor Prepared Using $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ and CuO via Solid State Reaction Technique with Heating at Ordinary Oxygen Pressure
1040 – 1100	Dr. Reena Goyal (SIT) Superconductivity in Layered $(\text{Nb/Ta})_2\text{Pd}_x(\text{S/Se/Te})_y$ Compounds
1100 – 1120	Santosh Kumar (Oxford) Superconductivity in Biomedicine: Enabling Next Generation's Medical Tools

1020 – 1135	Muhammad Arash Bin Raees Ahmad (UPM) Critical Current Density on $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ with Er-211 Addition via Top Seed Melt Growth Technique (TSMG)
1135 – 1150	Siew Hong Yap (UPM) Comparative Study on XRD and AC Susceptibility of $\text{Y}_{0.85}\text{K}_{0.15}\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ and $\text{Y}_{0.85}\text{Ca}_{0.15}\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ Prepared via Thermal Treatment Method
1150 – 1300	LUNCH
Session VI: Keynote and Oral Presentation Chairperson: Assoc. Prof. Dr. Soo Kien Chen	
1300 – 1325	KEYNOTE SPEAKER VI - Dr. Sergey Lee (SuperOx) SuperOx Japan: Recent Status of Production, Development and Application of 2G-HTS Wires
1325 – 1340	Aliah Nursyahirah Binti Kamarudin (UPM) Effect on Structural and Superconducting Properties of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ (Y123) Superconductor Added with Graphene Nanoparticles via Thermal Treatment Method
1340 – 1355	Safia Izzati Binti Abd. Sukor (UPM) Effect of Double Calcination on Synthesizing Bi-2223 by Using Thermal Treatment Methods
1355 – 1410	Sushma M. (SIT/EIS) Superconducting Performance of TSIG Processed $\text{YBa}_2\text{Cu}_3\text{O}_y$ Produced by $\text{YBa}_2\text{Cu}_3\text{O}_y$ + Liquid Phase as a Liquid Source
1410 – 1425	Rahimah Mustapa Zahari (UPM) Study of Structural, Magnetic and Microwave Absorption Properties of Y-substituted BiFeO_3 Ceramics Synthesized by Modified Thermal Treatment Method
1425 – 1440	Sunsanee Pinmangkorn (SIT) Flux Pinning and Superconducting Performance of Melt Grown Bulk $\text{YBa}_2\text{Cu}_2\text{O}_y$ via Ultrasonically Refined Y_2BaCuO_5
1440	CLOSING CEREMONY