



SIT-IITM-IITD-UPM-UMT aPBL

11th March 2022; From 1:20 - 6:10 PM JST

(9:50 AM – 2:40 PM India time/ 12:20 – 5:10 PM Malaysia time)

Tentative Program

Opening Remarks

1:20 – 1:30 PM	H.E. Ambassador Mr. Sanjay Kumar Verma Embassy of India in Tokyo
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Welcome Message

1:30 – 1:40 PM	Prof. M. Muralidhar, Board of Councillor, SIT
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Guest Speech

1:40 – 1:50 PM	Prof. MS Ramachandra Rao, IITM
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Session – I

Chair - Assoc. Prof. Dr. Soo Kien Chen, UPM

1:50 – 2:05 PM	Assoc. Prof. Dr. Soo Kien Chen, UPM Title: Research of Magnesium Diboride Superconductor in UPM
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2:05 – 2:15 PM	Dr. Sai Srikanth Arvapalli, SIT Title: Development of cost efficient MgB ₂ bulk superconductors
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2:15 – 2:25 PM	Ms. Dhruba, IITM Title: N and P doped Diamond
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2:25 – 2:35 PM	Ms. Anju, IITM Title: White light emission from YIG
2:35 – 2:45 PM	Mr. Soumen, IITM Title: Magneto-capacitance in KNN films
2:45 – 3:05 PM	Ms. Sreya and Sai, IITM Title: Electronic Correlations in Iridates
3:05 – 3:15 PM	Mr. Thiagarajan, IITM Title: High Pressure Studies
3:15 – 3:25 PM	Mr. Subhajit, IITM Title: Diamond-based hetero-structures
3:25 – 3:35 PM	Mr. Ajay Kumar, IITD Title: Strain induced electronic band structure engineering in $\text{Sr}_2\text{CoNbO}_6$ thin films
3:35 – 3:45 PM	Mr. Rishabh Shukla , IITD Title: Spin dynamics and unconventional magnetism in insulating $\text{La}_{(1-2x)}\text{Sr}_{2x}\text{Co}_{(1-x)}\text{Nb}_x\text{O}_3$
3:45 – 3:55 PM	Break
Session – II	
Chair - Prof. MS Ramachandra Rao, IITM	
3:55 – 4:10 PM	Assoc. Prof. Dr. Kean Pah Lim, UPM Title: Structural, Electrical, and Magneto-transport Properties of $\text{Pr}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$: Al_2O_3 Composites
4:10 – 4:25 PM	Assoc. Prof. Dr. Mohd Mustafa Awang Kechik, UPM Title: Enhanced flux pinning in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ films by BaZrO_3 nanoinclusions.

	Assoc. Prof. Dr. Oon Jew Lee, UMT
4:25 – 4:40 PM	Title: Ferroelectric/Multiferroic Self-assembled Vertically Aligned Nanocomposites: Recent Advances and Future Trends
	Dr. Muhammad Kashfi Shabdin, UPM
4:40 – 4:50 PM	Title: Magnetorheological materials and its application.
	Lik Nguong Lau, UPM
4:50 – 5:00 PM	Title: Structural and Electrical Properties of La-Ca-Mn-O/ZnO Composites
	Xiao Tong Hon, UPM
5:00 – 5:10 PM	Title: Effect of PVP on Structural and Magnetic Behaviour of NSMO via Thermal Treatment Approach
	Najihah binti Rohiat, UPM
5:10 – 5:20 PM	Title: Effect of Capman Pressure on Electrical Properties of LSMO Thin Film
	Siew Hong Yap, UPM
5:20 – 5:30 PM	Title: Excess Conductivity Study on YBCO added Ca Extraction of Egg Shells Synthesized via Thermal Treatment Method
	Siti Nabilah binti Abdullah, UPM
5:30 – 5:40 PM	Title: The Effect of Carbon nanotube (CNTs) Addition on Bi-2223 Superconducting Properties Prepared via Co-Precipitation Method
	Ms. Nurhidayah Mohd hapipi, UPM
5:40 – 5:50 PM	Title: Effect of excess Mg on superconducting properties of ex-situ MgB ₂

5:50 – 6:00 PM	Mr. Izznurin Aduna Rifqi Mohd Yusof, UMT Title: Synthesis and Characterization of Si Nanoparticles Foliar from Rice Husk to improve Rice Seed Germination
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Closing Remarks

6:00 – 6:10 PM	Mr. Osamu Sugiyama, General Manager Division of Global Initiatives, SIT
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End of the Program
