

7 September 2022

Parallel Session1

Session 1A : Ballroom

Theme : Materials & Energy

Link : https://bit.ly/RCSST2022_BALLR00M_

Time (UTC+8)	Chairperson: Dr. Abdullah bin Abdul Samat (UniMAP) Co-chairperson: Dr. Azfi Zaidi bin Mohammad Sofi @ Aziz (UMK)
1400 – 1430	Invited Speaker: Ab Malik Marwan Bin Ali (Prof. Dr.) <i>Universiti Teknologi MARA</i> Tuning Electronic and Magnetic Properties of Zn-Ni-Co Ternary Spinel Oxides Based Co_3O_4 For Supercapacitors Electrode
1430 – 1445	UITM012 Azliana Ramli <i>Universiti Teknologi MARA</i> Insight Into Chemical, Optical, Structural and Electrical Properties of Lead Bromide PbBr_2 - Frameworks Synthesized with Three Different Amino(methyl)pyridines Cations in Acidic Solution
1445 – 1500	USZA001 Salmiah Jamal Mat Rosid (Dr.) <i>Universiti Sultan Zainal Abidin</i> Tailoring Activity on Effect of Loadings over Praseodymium Oxide Catalyst in Methanation
1500 – 1515	UOP001 Christine Mae Macalisang <i>University of the Philippines - Diliman</i> Microstructural Property and Conductivity Investigation of Bulk NiO - YSZ Electrode with Varying Precursor Particle Size for Solid Oxide Electrochemical Cells
1515 – 1530	UTEM002 Muhammad Idzdihar bin Idris (Dr.) <i>Universiti Teknikal Malaysia Melaka</i> Surface Engineering of ZnO Thin Film for the Growth of MAPbI_3 Perovskite Layer
1530 – 1600	UKM019 Nur Azlina Binti Aidris <i>Universiti Kebangsaan Malaysia</i> Effect of Copper Electrodeposition Method Towards Its Photocatalytic Performance
1600 – 1615	UMT003 Muhammad Syarifuddin Yahya (Dr.) <i>Universiti Malaysia Terengganu</i> Study on The Effect of TiF_3 on the Performance of MgH_2 Hydrolysis
1615 – 1630	UOP002 Jennet Rabo <i>University of the Philippines - Diliman</i> Structural Formation and Conductivity of Sc and Y Co-doped ZrO_2 via Pulsed Laser Deposition

1630 – 1645

UITM030

Suhaida Dila

Universiti Teknologi MARA

Effect of stabilization time on the electrochemical performance of a
LaSrCoFeO₃ symmetrical cell

Session 1B : Kijang 1
 Theme : Nanoscience and Nanotechnology, Thin Film & Nanostructures
 Link : https://bit.ly/RCSST2022_KIJANG1

Time (UTC+8)	Chairperson: Dr. Nor Laili-Azua Jamari (UPNM) Co-chairperson: Dr. Nadiah Ameram (UMK)
1400 – 1430	Invited Speaker: Zainal Abidin Talib (Prof. Dr.) <i>Jeonbuk National University</i> Influence of Citric Acid Concentration on The Particle Size and Optical Properties of Cuse Nanoparticles
1430 – 1445	UPM006 Mohd Zobir Hussein (Dr.) <i>Universiti Putra Malaysia</i> Hydroxyapatite/Montmorillonite Nanocomposite as a Bone Tissue Engineering and Anti-Cancer Drug Delivery Agent for Cloxacillin
1445 – 1500	UMT005 Izznurin Aduna Rifqi binti Mohd Yusof <i>Universiti Malaysia Terengganu</i> Closing The Loop: Synthesized Silica Nanoparticles Foliar from Rice Husk for Paddy Plants
1500 – 1515	UKM015 Jamal Kazmi (Dr.) <i>Universiti Kebangsaan Malaysia</i> Achieving Stable Room-Temperature Ferromagnetism and p-Type Conductivity in Li:ZnO Nanowires
1515 – 1530	UITM029 Azianty Binti Saroni (Dr.) <i>Universiti Teknologi MARA</i> Effect of <i>in-situ</i> Thermal Annealing on The Structural And Optical Properties of In ₂ O ₃ Nanowire
1530 – 1600	UPNM012 Nur Syahirah Suhalim <i>Universiti Pertahanan Nasional Malaysia</i> Influence of pH on Iron Removal by Polysulfone/Silver-Graphene Oxide Nanohybrid Membrane in Water Treatment
1600 – 1615	UMT008 Engku Abd Ghapur Bin Che Engku Ali (Dr.) <i>Universiti Malaysia Terengganu</i> Effect of Graphene Nanoplatelets (GNP) Composition to the Physical Properties and Conductivity of High-Density Polyethylene (HDPE) Composite
1615 – 1630	UITM032 Ruziana Mohamed (Dr.) <i>Universiti Teknologi MARA</i> Structural and Electrochemical Study of ZnO Compositied with AC Derived by Eggshell
1630 – 1645	UITM051 Ahmad Firdaus Bin Che Omar (Dr.) <i>Universiti Teknologi MARA</i> Studies of BATiO ₃ /PVDF/rGO Based Nanocomposite as Nanogenerator Application

Session 1C : Kijang 2
 Theme : Polymers and Composites, Photonic Devices and Optoelectronic Integration, Biotechnology
 Link : https://bit.ly/RCSST2022_KIJANG2

Time (UTC+8)	Chairperson: Dr. Wan Aizuddin bin W Razali (UiTM) Co-chairperson: Nik Alnur Auli (UMK)
1400 – 1430	Invited Speaker: Ong Keat Khim (Prof. Dr.) <i>Universiti Pertahanan Nasional Malaysia</i> Controlled Release NPK Fertiliser Encapsulated by a Biodegradable Polyester
1430 – 1445	UKM024 Mohd Shaiful Sajab (Assoc. Prof. Dr.) <i>Universiti Kebangsaan Malaysia</i> The Potential of Lignocellulose-Based Biopolymer in Additive Manufacturing
1445 – 1500	MCB001 Norliza Binti Abdul Wahab (Dr.) <i>Malaysia Cocoa Board</i> Antioxidant-Rich Cocoa Face Mask Cosmetic for Dermal Care
1500 – 1515	UITM015 Nur Nabilah Nusri <i>Universiti Teknologi MARA</i> Preparation of Crosslinked Chitosan/Eggshell/TiO ₂ Beads and Their Application in Methyl Orange Adsorption from Aqueous Solution
1515 – 1530	UKM002 Nabilah Afiqah Mohd Radzuan (Dr.) <i>Universiti Kebangsaan Malaysia</i> Shear Strength of 3D Printed Polymeric Composites
1530 – 1600	UPM013 Yap Wing Fen (Assoc. Prof. Dr.) <i>Universiti Putra Malaysia</i> Sensitivity Enhancement of Surface Plasmon Resonance Optical Sensor for the Detection of Dopamine
1600 – 1615	UMK036 Ainidayati binti Abdul Rahim (Dr.) <i>Universiti Malaysia Kelantan</i> Characterization of Phosphate Solubilizing Methylobacterium sp Isolated from Paddy (<i>Oryza sativa</i>) Leaves
1615 – 1630	UMK035 Nur Sakinah Binti Mohamed Tamat (Dr.) <i>Universiti Malaysia Kelantan</i> Performance of Particleboard from Fast-Growing Species
1630 – 1645	UMT006 Oon Jew Lee (Assoc. Prof. Dr.) <i>Universiti Malaysia Terengganu</i> Superoleophilic and Hydrophobic Nanoporous Kapok Fibers as Effective Oil Sorbents

Session 1D : Kijang 3
 Theme : Solid State Theory, Simulation and Computation
 Link : https://bit.ly/RCSST2022_KIJANG_3

Time (UTC+8)	Chairperson: Assoc. Prof. Dr. Mohd Mustafa Awang Kechik (UPM) Co-chairperson: Nur Ain Najihan binti Muhamad Darus (UTM)
1400 – 1430	Invited Spekaer: Mohamad Fariz Bin Mohamad Taib (Assoc. Prof. Dr.) <i>Universiti Teknologi MARA</i> Accelerated Innovation Via Modelling of Lifepo4/Graphene Cathode For Li-Ion Battery
1430 – 1445	UPM010 Chen Soo Kien (Assoc. Prof. Dr.) <i>Universiti Putra Malaysia</i> Enhanced Grain Coupling for Increasing Critical Current Density of Ex-Situ MgB2
1445 – 1500	UKM010 Lim Bee Huah (Dr.) <i>Universiti Kebangsaan Malaysia</i> Numerical Analysis on The Effect of Liquid Water During Switching Mode or Unitized Regenerative Proton Exchange Membrane Fuel Cell
1500 – 1515	UITM045 Nur Hamizah Bt Mohd Zaki (Dr.) <i>Universiti Teknologi MARA</i> DFT Study of The Cation Distribution on Stability, Structural and Electronic Properties of Ni-Doped Spinel Co3O4
1515 – 1530	UTM005 Nur Tasnim Husna Binti Yusoff <i>Universiti Teknologi Malaysia</i> Comparison of Carboxymethyl Cellulose-Ammonium Sulphate Solid Biopolymer Electrolytes Using FTIR Spectroscopy with Computational Model
1530 – 1600	UITM002 Noor 'Aisyah binti Johari <i>Universiti Teknologi MARA</i> First-Principles Calculation for Structural, Electronic and Optical Properties of N-doped, V-doped and N/V-codoped Anatase TiO2
1600 – 1615	OTRS001 Wan Hazeeq Azizi Bin Wan Khairul Annuar <i>Universiti Teknologi MARA</i> First-principles Study on Structural and Electronic Properties of Pure and Cobalt Doped α -NiS
1615 – 1630	UITM008 Norjulyati Binti Hamzah <i>Universiti Teknologi MARA</i> Effect of Ti doping on Structural, Electronic and Optical Properties of ZnO: A DFT+U Calculations
1630 – 1645	UITM016 Muhammad Hafizul Shah Bin Harun Shah <i>Universiti Teknologi MARA</i> Structural, electronic and optical properties of pure BiOCl through DFT calculations

8 September 2022
 Parallel Session 2

Session 2A : Ballroom
 Theme : Materials & Energy
 Link : https://bit.ly/RCSST2022_BALLR00M_

Time (UTC+8)	Chairperson: Dr. Salmiah Jamal Mat Rosid (UnisZA) Co-chairperson: Dr. Boon Jia Geng (UMK)
1100 – 1130	Invited Speaker: Abdul Halim Bin Shaari (Prof. Dr.) <i>Universiti Putra Malaysia</i> Some aspect of Materials characterization using electron spin resonance (ESR) spectroscopy
1130 – 1145	UPNM010 Norherdawati Kasim (Dr.) <i>Universiti Pertahanan Nasional Malaysia</i> Potential of Kappa-carrageenan as Additive for Improving Permeability of Mixed Matrix Membranes
1145 – 1200	UKM018 Siti Nurul Falaein Binti Moridon <i>Universiti Kebangsaan Malaysia</i> A Coral-like Mo ₂ C/TiO ₂ composite heterojunction photoelectrode for Photoelectrochemical Water Splitting Application.
1200 – 1215	UITM046 Ainnur Sherene Kamisan (Dr.) <i>Universiti Teknologi MARA</i> Ni-Co Hydroxides as Potential Electrode Materials for Supercapacitor
1215 – 1230	UMT004 Nuraini Binti Ruslan <i>Universiti Malaysia Terengganu</i> The Effect of TiBr ₄ on the Hydrolysis Performance of the MgH ₂ System
1230 – 1245	UITM028 Nur Ain Nabilah Binti Mohamad Nor <i>Universiti Teknologi MARA</i> Hubbard U Approach on Structural, Electronic and Optical Properties of Kesterite and Stannite Cu ₂ MnSnS ₄ from First-Principles Study

Session 2B : Kijang 1
 Theme : Metals & Alloys
 Link : https://bit.ly/RCSST2022_KIJANG1

Time (UTC+8)	Chairperson: Assoc. Prof. Dr. Mahani binti Yusoff (UMK) Co-chairperson: Dr. Wee Seng Kew (UMK)
1100 – 1130	Invited Speaker: Sarizam Bin Mamat (Dr.) <i>Universiti Malaysia Kelantan</i> Application of TIG/MIG Hybrid Welding for Wire Arc Additive Manufacturing (WAAM)
1130 – 1145	UTEM001 Noor Irinah Binti Omar (Dr.) <i>Universiti Teknikal Malaysia Melaka</i> The Influence of Gas Pressure on the Bonding Mechanism of Cold Sprayed Titanium Dioxide Coatings on Pure Metals
1145 – 1200	UITM010 Norazila Binti Ibrahim (Dr.) <i>Universiti Teknologi MARA</i> Enhancement of Magnetoresistance Effect in La _{0.8-x} DyxNa _{0.2} MnO ₃ (x = 0.00 and 0.10) Monovalent Doped Manganites: Next generation Spintronic-Based Devices
1200 – 1215	UITM040 Muhammad Afiq Ikhwan Bin Zainuddin <i>Universiti Teknologi MARA</i> The Investigation of Pb-doped LaMnO ₃ Perovskite Manganite on the Structural Properties
1215 – 1230	UPM011 Wan Mohd Ebtisyam Mustaqim Bin Mohd Daniyal <i>Universiti Putra Malaysia</i> Refractive Index Based-SPR for Metal Ion Detection with Enhanced Sensitivity Using NCC/GO Thin Film
1230 – 1245	UMT007 Nor Azlia Binti Aziz <i>Universiti Malaysia Terengganu</i> Crystalline Structure, Optical Properties and Surface Morphology of CdS Photocatalyst Synthesized Via Precipitation for Water Remediation of Aqueous Rhodamine 6G

Session 2C : Kijang 2
 Theme : Ceramics & Glasses
 Link : https://bit.ly/RCSST2022_KIJANG2

Time (UTC+8)	Chairperson: Dr. Azianty Binti Saroni (UiTM) Co-chairperson: Dr. Norfadhilah Ibrahim (UMK)
1100 – 1130	Invited Speaker Md Rahim Sahar (Prof. Dr.) <i>Universiti Teknologi Malaysia</i> Tailoring The Optical and Magnetic Properties of Cobalt Oxide Nanoparticles In Boro-Tellurite Glass in the Presence of Erbium
1130 – 1145	UITM049 Wan Aizuddin bin W Razali (Dr.) <i>Universiti Teknologi MARA</i> Synthesis and Characterization of Cr/Zn Co-Doped Al ₂ O ₃
1145 – 1200	UPM012 Mohd Hafiz Bin Mohd Zaid (Dr.) <i>Universiti Putra Malaysia</i> Effect of Sm ³⁺ dopant on the structural and elastic properties of magnesium-boro-tellurite glass system
1200 – 1215	UTM007 Nur Asilah Binti Mohamad Zulkifeli <i>Universiti Teknologi MARA</i> Modification Strontium Oxide Concentration Stimulated Optical Properties of Er ³⁺ /Gd ³⁺ /Yb ³⁺ Tri-doped Phosphate Glass
1215 – 1230	UPM005 Cheong Wei Mun <i>Universiti Putra Malaysia</i> Optical properties of Sm ³⁺ doped zinc-borosilicate glass
1230 – 1245	UKM009 Nur Jannah Binti Md Hassan <i>Universiti Kebangsaan Malaysia</i> The Effect of Sodium Alginate on Properties of Sodium Carboxymethyl cellulose (NaCMC)/ Hydroxyethyl cellulose (HEC) membrane As a Bio-Based Plastic Mulch For Agriculture Application

Session 2D : Kijang 3
 Theme : Electrochemical and Solid State, Defence and Security, Devices and Materials for Biology and Medicine
 Link : https://bit.ly/RCSST2022_KIJANG_3

Time (UTC+8)	Chairperson: Dr. Lim Bee Huah (UKM) Co-chairperson: Nur Ain Najihan binti Muhamad Darus (UTM)
1100 – 1130	Invited Speaker: Nurul Akidah Binti Baharuddin (Dr.) Universiti Kebangsaan Malaysia Dual electrode functioning lithiated nickel based for solid oxide fuel cell
1130 – 1145	UPNM003 Nor Laili-Azua Jamari (Dr.) Universiti Pertahanan Nasional Malaysia Design and Development of Aptamer-Gold Nanoparticle for Colorimetric Detection of Methylphosphonic Acid
1145 – 1200	UKM007 Mohd Farhanulhakim Mohd Razip (Dr.) <i>Universiti Kebangsaan Malaysia</i> Acoustophoresis and dielectrophoresis forces in a single platform for particle manipulation
1200 – 1215	UPM016 Mohd Mustafa Awang Kechik (Assoc.Prof.Dr.) <i>Universiti Putra Malaysia</i> A Comparative Study on the Electrical Transport Properties of YBCO Synthesized via Different Modified Methods
1215 – 1230	UITM048 Maziidah Hamidi (Dr.) <i>Universiti Teknologi MARA</i> Structural Investigation and Electrochemical Performance of Li ₂ FeP ₂ O ₇ Cathode
1230 – 1245	UPNM006 Intan Juliana Binti Shamsudin (Dr.) <i>Universiti Pertahanan Nasional Malaysia</i> Biopolymer Electrolyte Host Based on Newly Synthesized Benzoyl Kappa Carrageenan

8 September 2022

Parallel Session 3

Session 3B : Kijang 1

Theme : Advanced Material Synthesis, Ceramics Glasses

Link : https://bit.ly/RCSST2022_KIJANG1

Time (UTC+8)	Chairperson: Dr. Hidayani Binti Jaafar (UMK) Co-chairperson: Dr. Mohamad Bashree bin Abu Bakar (UMK)
1400 – 1430	Invited Speaker: Muhammad Azwadi Sulaiman (Assoc.Prof. Dr.) <i>Universiti Malaysia Kelantan</i> Synthesis of Advanced Ceramic Using Microwave Sintering Method
1430 – 1445	UNMP002 Abdullah bin Abdul Samat (Dr.) <i>Universiti Malaysia Perlis</i> Thermal Decomposition, Phase Formation and Microstructure Analysis of Carbon Nanotubes Assisted Sol-Gel Derived $\text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_{3-\delta}$ Materials
1445 – 1500	OTRS007 Siti Noorzidah Binti Mohd Sabri <i>Department of Mineral & Geoscience Malaysia</i> Synthesis of Precipitated Calcium Carbonate (PCC) as the Function of Carbon Dioxide Gas Flow Rate
1500 – 1515	UITM033 Muhammad Aman Haikal Bin Razali <i>Universiti Teknologi MARA</i> Influence of Hubbard U on the Structural and Electronic Properties of pure and La-Doped ZnO by using DFT
1515 – 1530	UMK029 Wan Hazwani Binti Wan Mohd Fakri <i>Universiti Malaysia Kelantan</i> Effect of Magnesium Oxide (MgO) as an Antifungal Agent on Singgora Roof Tile

Session 3C : Kijang 2
 Theme : Carbon and Related Material
 Link : https://bit.ly/RCSST2022_KIJANG2

Time (UTC+8)	Chairperson: Dr. Nabilah Afiqah Mohd Radzuan (UKM) Co-chairperson: Dr. Siti Roshayu binti Hasan (UMK)
1400 – 1430	Invited Speaker Norli binti Abdullah (Assoc. Prof. Dr.) <i>Universiti Pertahanan Nasional Malaysia</i> Effect of Acid Treatments and Surfactant on MWCNTs Nanofluids: Structural, Morphological and Thermal Conductivity
1430 – 1445	UPM007 Syazwan Afif Mohd Zobir (Dr.) <i>Universiti Putra Malaysia</i> Nitrogen/Phosphorus-Doped Carbon Quantum Dots Synthesized using Chitosan/Hydrothermal Method for Plant Protection
1445 – 1500	UITM043 Azra Umairah Binti Anuar <i>Universiti Teknologi MARA</i> Graphene Oxide Based Regenerated Carbon Waste Tyre (rCB): Synthesis by Modified Hummers Method and Characterization
1500 – 1515	UPM004 Loh Zhi Wei <i>Universiti Putra Malaysia</i> Mechanical Properties of Bioactive Glass with various CaF ₂ /P ₂ O ₅ ratios
1515 – 1530	UITM019 Muhammad Ashraff bin Hamdan <i>Universiti Teknologi MARA</i> Electronic and Superconducting Properties of Y-247 Ceramic via Computational Method.

Session 3D : Kijang 3
 Theme : Superconductors
 Solid State Theory, Simulation and Computation
 Link : https://bit.ly/RCSST2022_KIJANG_3

Time (UTC+8)	Chairperson: Assoc. Prof. Dr. Yap Wing Fen (UPM) Co-chairperson: Nur Ain Najihan binti Muhamad Darus (UTM)
1400 – 1430	Invited Speaker Roslan Abd Shukor (Prof. Dr.) <i>Universiti Kebangsaan Malaysia</i> Metal Sulfide Effects on AC Susceptibility and Electrical Properties of Bi _{1.6} Pb _{0.4} Sr ₂ CaCu ₂ O ₈ Superconductor
1430 – 1445	USU001 Syahrul Humaidi (Dr.) <i>Universiti Sumatera Utara</i> Superconductivity in Tl _{2-x} Te _x Ba ₂ CaCu ₂ O _{8-δ} Prepared Using Different Precursor Powders
1445 – 1500	UMP005 Bryan Andrew Balasan <i>Universiti Malaysia Pahang</i> Current Density and Activation Energy of Bi-2223 Superconductors Synthesised Via Electrospinning
1500 – 1515	IIC001 Choon Min Cheong (Dr.) <i>Imperium International College</i> Charge Distribution Study of Ce _{0.8} Sr _{0.2} NiO ₂ by Density Functional Theory
1515 – 1530	UITM022 Nur Fatin Najihah binti Abdul Yami <i>Universiti Teknologi MARA</i> Structural, Electronic and Optical Properties of Low Dimensional Hybrid Perovskite (C ₆ H ₁₀ N ₂)Xl ₄ (X = Pb, Sn) Using Density Functional Theory