

## CATEGORY ENGINEERING

### GRADUATE RESEARCH EXHIBITION (GREx) 2025

Date: 15 May 2025 (Thursday)

Time: 9.00am - 4.30pm

Category: Engineering

Venue: Cisco Webex Meeting

Webex Link: GREx Day (Engineering)  
<https://utm.webex.com/utm/j.php?MTID=md12dd9ae01686b53d35f28594eb0d46>  
 Meeting number: 2518 187 5727  
 Password: MtMjp2WDd57

TIME	ACTIVITY			
9.00am - 9.30am	Registration. The arrival of the juries, presenters and participants			
9.30am - 9.35am	Welcoming speech from Chairperson Rules & Regulations			
	NO.	PARTICIPANT NAME	TITLE OF E-POSTER	ASSIGNED JURY
9.35am-9.45am	1	RISHATANI A/P GUNASEGARAN	FLEXIHEART: FLEXIHEART: STRUCTURALLY ENHANCED ADHESIVE CARDIAC PATCH	1. TS. DR. ABD HALIM MD ALI 2. ASSOC. PROF. DR. SYAFIAH SAIDIN 3. DR. FARHANA AZIZ
9.45am - 9.55am	2	NURUL NAJIAH BINTI ISHAK	NANOSTRUCTURED MODIFICATION OF TITANIUM DIOXIDE NANOFLOWER PHOTOANODE FOR DYE-SENSITIZED SOLAR CELL	
9.55am - 10.05am	3	MD MASUD KARIM	FAULT DETECTION AND DIAGNOSIS FOR AIR HANDLING UNITS (AHU) IN COMMERCIAL BUILDINGS	
10.05m - 10.15am	4	REHNUPREYA HENTRY VIENSION	NATURAL WEATHERING EFFECTS ON MRE WITH EIP	
10.15am - 10.25am	5	YAQOOB RASHID SALIM ALHINDASI	SUSTAINABLE APPLICATION OF FERROCHROME SLAG AS GREEN AGGREGATE MATERIAL	
10.25am - 10.35am	6	DEWI UTAMI	MAGNETORHEOLOGICAL DAMPER	
10.35am - 10.45am	SHORT BREAK			
10.45am - 10.55am	7	NOR AMIRA IZZATI BINTI AYOB	SMART MATERIAL MAGNETORHEOLOGICAL ELASTOMER (MRE): FABRICATION, CHARACTERIZATION AND TUNEABLE MECHANICAL PROPERTIES	1. TS. DR. ABD HALIM MD ALI 2. ASSOC. PROF. DR. SYAFIAH SAIDIN 3. DR. FARHANA AZIZ
10.55am - 11.05am	8	NUR ADILAH BINTI ADANAN	TEMPERATURE STABILITY ON THE VISCOUS BEHAVIOUR OF MAGNETORHEOLOGICAL GREASE USING ELECTROLYTIC IRON PARTICLES	
11.05am - 11.15am	9	USAMA HUSSNAIN	SIMULATION ANALYSIS OF INTEGRATED CONCENTRATED PHOTOVOLTAIC THERMAL AND PROTON EXCHANGE MEMBRANE ELECTROLYZER SYSTEM	
11.15am - 11.25am	10	ZURAIDAH ABU BAKAR	EPISTEMIC PRACTICE EXPERT STRUCTURAL ENGINEER MAKING DECISION DESIGN STRUCTURAL PROBLEM ON SITE CONSTRUCTION	
11.25am - 11.35am	11	NG HOCK SENG	AN INTEGRATED ADOPTION MODEL FOR FOUR-DIMENSIONAL BUILDING INFORMATION MODELLING IN THE MALAYSIAN CONSTRUCTION INDUSTRY	
11.35am - 11.45am	12	NURUL IZZATI BINTI DARUL ZAMAN	INFECTIOUS DISEASE SCREENING BASED ON BODY TEMPERATURE PATTERN ANALYSIS AND MACHINE LEARNING	
11.45am - 11.55am	13	SUZIYANI BINTI MD ZIN	ACCELERATED TEMPERATURE EFFECT ON THE RHEOLOGICALOF MAGNETORHEOLOGICAL ELASTOMER (MRE) IN LOWTEMPERATURES EXPOSURE	
11.55am - 12.05pm	14	LOH ZHEUNG YIK	TRANSFORMER-BASED MACHINE LEARNING MODEL FOR PRODUCING PRIORITIZED MUTANTS FOR COST-EFFECTIVE MUTATION TESTING	
12.05pm	END OF JUDGING SESSION/GROUP PHOTO			

## CATEGORY SCIENCE & TECHNOLOGY

### GRADUATE RESEARCH EXHIBITION (GREx) 2025

Date: 15 May 2025 (Thursday)

Time: 9.00am - 4.30pm

Category: Science & Technology

Venue: Cisco Webex Meeting

Webex Link: GREx Day (Science & Technology)  
<https://utm.webex.com/utm/j.php?MTID=ma817dda97c2ea9a8959eff260768d4ae>  
 Meeting number: 2519 169 9461  
 Password: IDj6ifmg28

TIME	ACTIVITY			
9.00am - 9.30am	Registration. The arrival of the juries, presenters and participants			
9.30am - 9.35am	Welcoming speech from Chairperson Rules & Regulations			
	NO.	PARTICIPANT NAME	TITLE OF E-POSTER	ASSIGNED JURY
9.35am-9.45am	1	WAN NURA'IN NABILAH BINTI NORANUAR	SMOOTHING THE FLOW: MATHEMATICAL SIMULATION FOR BLOOD + NANOTUBES DURING ROTABLATION	1. SR. DR. SHAMSULHADI BANDI 2. DR. YAP YUNG SZEN 3. DR SEAH CHOON SEN
9.45am - 9.55am	2	NASHMITTA PILLAI A/P VASUDEVAN PILLAI	SURFACE ENHANCED RAMAN SCATTERING SUBSTRATE BASED ON REDUCED GRAPHENE OXIDE EMBEDDED BIMETALLIC NANOPARTICLES FOR SACCHARIDES DETECTIONS	
9.55am - 10.05am	3	ELIS BINTI OSMAN	DUAL-RESPONSIVE POLYMER-COATED SIO2 SHELLS ENCLOSING TIO2 FOR BPA DEGRADATION	
10.05M - 10.15am	4	YEE SHI WEE	METALLIC-REDUCED GRAPHENE OXIDE MODIFICATION FOR ENHANCED HYDROGENATION OF ALKENE IN ELECTRIC FIELD	
10.15am - 10.25am	5	SYUHRAH IMAN BINTI MUHAMMAD AMZARI	INCOMPLETE FINGERPRINT REGION RESTORATION BY USING B-SPLINE CURVE	
10.25am - 10.35am	6	SITI RASHIDAH BINTI ABDOL RAZID	INTEGRATIVE COMPUTATIONAL AND EXPERIMENTAL ANALYSIS ON THE GREEN - SYNTHESIZED Ag-DOPED ZnO FOR PHOTOCATALYTIC WATER SPLITTING	
10.35am - 10.45am	SHORT BREAK			
10.45am - 10.55am	7	LUA YU HUI	ERBIUM-DOPED BOROTELLURITE DIELECTRIC RESONATOR FOR X BAND ESR	1. SR. DR. SHAMSULHADI BANDI 2. DR. YAP YUNG SZEN 3. DR SEAH CHOON SEN
10.55am - 11.05am	8	LOUIS TEOH EN HONG	HANDWRITTEN SIGNATURE GENERATION VIA BÉZIER INTERPOLATION MODEL	
11.05am - 11.15am	9	SADAQUAT ALI RUK	ENVISIONING NEXT-GEN EFFORT ESTIMATION: AN AGILE-DEVOPS ENSEMBLE APPROACH	
11.15am - 11.25am	10	RIZKI SYAPUTRA	SENTIMENT ANALYSIS OF FREE MEAL PROGRAM USING MACHINE LEARNING TECHNIQUES AND CROSS-PLATFORM DATA SOURCES	
11.25am - 11.35am	11	NURFAZIRA BINTI MOHAMED FADIL	SEAMLESS MULTISOURCE TOPO-BATHYMETRIC ELEVATION MODEL FOR RIVER BASIN AT UNIVERSITI TEKNOLOGI MALAYSIA	
11.35am - 11.45am	12	SITI NUR IDARA BINTI ROSLI	VISUALIZATION OF KENYIR LAKEBED TOPOGRAPHY USING BÉZIER SURFACE INTERPOLATION MODELING	
11.45am - 11.55am	13	NIK IHTISYAM MAJDAH BINTI NIK RAZI	NBR-1 FOR FORENSIC VISUALIZATION OF LATENT FINGERPRINTS ON WET, NON- POROUS OBJECTS	
11.55am - 12.05pm	14	LIYANA BINTI SHATAR	LABEL-FREE SERS-BASED APTASENSOR FOR SARS-COV-2 S-PROTEINS DETECTION	
12.05pm - 12.15pm	15	CLIVE LAI YI CHENG	PHISHING URL DETECTION BASED ON NATURAL LANGUAGE PROCESSING AND GRAPH CONVOLUTIONAL NETWORK	
12.15pm - 12.25pm	16	SEHAR GUL KHAN	ENHANCING CLASSIFIER PERFORMANCE IN HIGH-DIMENSIONAL IMBALANCED DATASETS USING A HYBRID SAMPLING APPROACH	
12.25pm - 12.35pm	17	NURUL SHAKILA BINTI KHALID	DUAL ROLES, ONE OBJECTIVE: ENHANCING NODE AND PLACE SYNERGY IN KLANG VALLEY RAIL STATIONS	
12.35pm - 12.45pm	18	HAZIRAH BINTI HASIM	DEVELOPMENT AND EVALUATION OF PORTABLE NIR TECHNOLOGY FOR THE IDENTIFICATION OF CANNABINOIDS IN PLANT MATERIALS.	
12.45pm - 12.55pm	19	MOHD SHAHAR BIN ABDULLAH	AI-DRIVEN FRAMEWORK FOR REAL-TIME DISASTER RESPONSE AND MANAGEMENT	
12.55pm	END OF JUDGING SESSION/GROUP PHOTO			

## CATEGORY SOCIAL SCIENCE

### GRADUATE RESEARCH EXHIBITION (GREx) 2025

**Date: 15 May 2025 (Thursday)**

**Time: 9.00am - 4.30pm**

**Category: Social Science**

**Venue: Cisco Webex Meeting**

Webex Link: GREx Day (Social Science)

<https://utm.webex.com/utm/j.php?MTID=m26311563d90a0d93619924ce66829790>

Meeting number:

2519 098 7462

Meeting password:

Ashhvm6Sj57

TIME	ACTIVITY		
9.00am - 9.30am	Registration. The arrival of the juries, presenters and participants		
9.30am - 9.35am	Welcoming speech from Chairperson Rules & Regulations		
	NO.	PARTICIPANT NAME	TITLE OF E-POSTER
9.35am-9.45am	1	ERRNA NADHIRAH BINTI KAMALULIL	BUILDING BETTER WORKPLACES: PSYCHOSOCIAL WORK ENVIRONMENTS, WORK-LIFE BALANCE AND WELL-BEING FOR PROFESSIONAL WOMEN
9.45am - 9.55am	2	MOHD SHAHRUL BIN SUONDOH	BRIDGING PATIENT CARE AND TECHNOLOGY: AN ACTION RESEARCH STUDY ON THE INTEGRATION AND ACCEPTANCE OF DIGITAL TOOLS IN BURN MANAGEMENT AMONG HEALTHCARE PROFESSIONALS AT HOSPITAL KUALA LUMPUR
9.55am - 10.05am	3	MARENE MOHAMMAD	CREATING AN ENGAGING MALAY LANGUAGE LEARNING EXPERIENCE THROUGH INTERACTIVE EBOOK INNOVATION A CASE STUDY: LEARN MALAY WITH RENE (LMWR) INTERACTIVE EBOOK
10.05M - 10.15am	4	WIMBI APRIWANDA NURSIWAN	SCIENTIFIC CREATIVITY IN CHEMISTRY EDUCATION: HOW CREATIVE ARE OUR STUDENTS, AND WHAT CAN WE DO ABOUT IT?
10.15am - 10.25am	5	NERISHA SARAH BINTI NUR MALEK	MENTAL HEALTH SYMPTOMS AND COPING STRATEGIES ON PSYCHOLOGICAL WELL-BEING AMONG UNIVERSITY STUDENTS
10.25am - 10.35am	6	WAHIDAH BINTI ABD RAHMAN	EMPOWERING REFLEXOLOGY EDUCATORS WITH AI: BRIDGING CLASSROOM LEARNING AND SPA PRACTICE THROUGH PROJECT-BASED LEARNING
10.35am - 10.45am	SHORT BREAK		
10.45am - 10.55am	7	HANIS NAZURAH BINTI ABU HASSAN	CULTURALLY RESPONSIVE PUBLIC SPACE FOR COMMUNITY ADAPTATION AND SOCIAL COHESION AT RESETTLEMENT HOUSING
10.55am - 11.05am	8	KUMARAGURU LAHANDRAHASAN	BOOSTING AUTOMOTIVE INDUSTRY PERFORMANCE AND SALES THROUGH TRAINING AND COACHING: AN ACTION RESEARCH APPROACH
11.05am - 11.15am	9	AIMI RUZAINI BINTI AHMAD	BIJAKKIMPAL: WEB-BASED LEARNING FOR WELDING TECHNOLOGY COURSE
11.15am - 11.25am	10	NUR ATIQA BINTI ISMAIL	FROM GRAMMAR TO GROSS PAY: THE ECONOMIC POWER OF ENGLISH
11.25am - 11.35am	11	MOHD SHAHRUL BIN SUONDOH	EMPOWERING BRAND IDENTITY: A STRATEGIC ACTION RESEARCH APPROACH TO HEALTHCARE ADVOCACY LOGO REBRANDING
11.35am - 11.45am	12	MOHD AZREEY SHAH BIN ABD AZIZ	THE MOST INFLUENTIAL FIRM-LEVEL RECEPTIVITY LEVERS TOWARDS ONBOARDING SMES ONTO THE NATIONAL DIGITAL IDENTITY PLATFORM
11.45am - 11.55am	13	MOHAMED FAIZ BIN RAMLI	THE DEVELOPMENT OF THE OPERATION AND MAINTENANCE COST MODEL FOR FINANCIAL SUSTAINABILITY TOWARDS MALAYSIA URBAN RAILWAY ASSET OWNER'S
11.55am - 12.05pm	14	CHENJING	IN A MULTICULTURAL CONTEXT:HOW COLLEGE STUDENTS UNDERSTAND THEMSELVES, ADAPT TO THE ENVIRONMENT AND EXPRESS THEIR IDENTITIES
12.05pm - 12.15pm	15	LIU CHANGYU	SUSTAINABLE HEALTH, SUSTAINABLE PLANET
12.15pm - 12.25pm	16	SITI NORHANA BINTI ABU HAMIS	EXCELLENT TEACHER TRAINING PRACTICES IN JOHOR
12.25pm - 12.35pm	17	RAFIZAH BINTI ZAHRI	YOUTH-CENTRED FLOOD DISASTER RISK REDUCTION (DRR) FRAMEWORK FOR RESILIENT COMMUNITY
12.35pm - 2.30pm	LUNCH BREAK / ZUHR PRAYER		
2.30pm - 2.40pm	18	KOH WEN XUAN	ANALYZING THE ROLE OF LEAN MANUFACTURING PRACTICES IN DRIVING SUSTAINABILITY IN MALAYSIAN MANUFACTURING ORGANIZATIONS: MODERATING EFFECT OF EMPLOYEE INVOLVEMENT.
2.30pm - 2.50pm	19	SHARIFAH MAIMUNAH BINTI SYED ZAID	DEVELOPMENT AND VALIDATION OF INSPEK21 ("INSTRUMEN PENENTUAN STRATEGI PEMBELAJARAN ABAD KE-21")
2.50pm - 3.00pm	20	NURSHAHIRAH BINTI MHD SHAARI	DESIGN AND VALIDATION OF A CAMPUS SECURITY INDEX FOR MALAYSIAN PUBLIC UNIVERSITIES
3.00pm - 3.10pm	21	SUZZANNA BINTI AMIR MOHAMMAD	EVALUATING THE USABILITY OF THE ELEV-LEAD TRAINING MODULE FOR LEADERS OF ABORIGINAL SCHOOLS THROUGH THE NOMINAL GROUP TECHNIQUE
3.10pm - 3.40pm	22	CHEN YIYI	THE INFLUENCE OF PERSON ORGANIZATION VALUE FIT, PSYCHOLOGICAL NEEDS FULFILLMENT, AND WORK ENGAGEMENT ON ORGANIZATIONAL CITIZENSHIP BEHAVIOR
3.40pm - 3.50pm	23	AMIRUL NEEZAM BIN MOHD ZAMRI	THE EFFECTIVENESS OF MESSAGE FRAMING AND ALTRUISM TO ENHANCE BLOOD DONATION INTENTION AND HAPPINESS AMONG UNIVERSITY STUDENTS.
3.50pm	END OF JUDGING SESSION/GROUP PHOTO		