

يَوْمًا تَجِي. تَجِي. تَجِي. اَيْسًا. تَجِي. اِيَّيَا. كُونِيكَاتٍ ٢٠٢٥



# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | Universiti Teknologi Brunei



**ICBMIS**  
INTERNATIONAL CONFERENCE  
ON BUSINESS, MANAGEMENT AND INFORMATION SYSTEMS



**ICARTe**  
2025



FEATURING:

3<sup>rd</sup> UTB University Presidents' Forum

2<sup>nd</sup> UTB Women Leadership Forum

1<sup>st</sup> Global Conference on Industrial, Materials and Manufacturing (GCIMM 2025)

Postgraduate Colloquium

ASEAN Sustainable Ready for Industry 5.0 Program 2025 (ASEAN SRI-5.0)

Science, Technology, and Innovation (STI) Coordination

**MASTER PROGRAMME**





يؤاتي بي. ايس. تي. ايم. كونيك٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



## PROGRAMME

### DAY 1

### MONDAY, 20<sup>TH</sup> OCTOBER 2025 - AM

#### Opening Ceremony of UTB-STE Connect 2025 Main Conference Hall, International Convention Centre, Berakas

9.00 am	<b>Arrival of Invited Guests and Participants</b>
9.30 am	<b>Arrival of Guest of Honour</b> Yang Berhormat Datin Seri Setia Dr. Dayang Hajah Romaizah binti Haji Md Salleh, Minister of Education, Chairperson of UTB Council
	<b>Recitation of Surah Al-Fatihah and Doa Selamat</b>
	<b>Welcoming Speech</b> by Yang Mulia Datin Paduka Professor Dr. Dayang Hajah Zohrah binti Haji Sulaiman, Vice-Chancellor of Universiti Teknologi Brunei
	<b>Opening Speech</b> by Yang Berhormat Datin Seri Setia Dr Dayang Hajah Romaizah binti Haji Md Salleh, Minister of Education
	<b>Multimedia Presentation</b>
	<b>Plenary Session</b> by Professor Sibrandes Poppema President and Vice-Chancellor , Sunway University <i>Title: Technology Innovations for a Sustainable Future</i>
	<b>Presentation of UTB-STE Connect 2025 Token of Appreciation to Plenary Speaker</b>
	<b>Refreshment</b>
	<b>End of Ceremony</b>



يؤاتي بي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



## PROGRAMME

### DAY 1

**(MONDAY, 20<sup>TH</sup> OCTOBER 2025) - PM**

<b>1.30 pm</b>	<p><b>Registration</b></p> <hr/> <p><b>UTB-STE Connect 2025 Session</b></p> <p><b>10<sup>th</sup> Brunei International Conference on Engineering &amp; Technology (BICET)</b>  <b>Conference Room (SASM-2W.45), Level 2, SASM Building, UTB</b>  <b>Classroom 4 (SASM-2E.04), Level 2, SASM Building, UTB</b>  <b>Classroom 5 (SASM-2E.05), Level 2, SASM Building, UTB</b>  <b>Classroom 6 (SASM-2E.06), Level 2, SASM Building, UTB</b>  <b>Classroom 7 (SASM-2E.07), Level 2, SASM Building, UTB</b></p> <p><b>7<sup>th</sup> International Conference on Applied Computational Intelligence in Information Systems (ACIIS)</b>  <b>Classroom 6 (SASM-1E.06), Level 1, SASM Building, UTB</b>  <b>Classroom 7 (SASM-1E.07), Level 1, SASM Building, UTB</b></p> <p><b>3<sup>rd</sup> International Conference on Business, Management and Information Systems (ICBMIS)</b>  <b>Lecture Theatre 1, UTB Library Complex, UTB</b>  <b>Classroom 2 (SASM-1E.02), Level 1, SASM Building, UTB</b>  <b>Classroom 3 (SASM-1E.03), Level 1, SASM Building, UTB</b></p> <p><b>2<sup>nd</sup> International Conference on Agrotechnology, Beverage and Food (ICABF)</b>  <b>Lecture Hall, Level 1, SASM Building, UTB</b></p> <p><b>2<sup>nd</sup> International Conference on Creative Arts Design and Technology (ICCArTe) &amp; International Heritage and Cultural Conservation (InHERIT) Conference 2025</b>  <b>Computer Lab (SASM-1W.46), Level 1, SASM Building, UTB</b></p> <p><b>1<sup>st</sup> Global Conference on Industrial, Materials and Manufacturing (GCIMM)</b>  <b>Main Conference Hall, International Convention Centre (ICC), Berakas</b></p>
----------------	--



يؤاتج. بئ. الئس. تئ. إئئ. كؤنئكأٲ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



	<b>ASEAN Sustainable Ready for Industry 5.0 Program 2025 (ASEAN SRI-5.0)</b> <b>Lecture Theatre 2, Library Complex, UTB</b>
<b>3.00 pm</b>	<b>Afternoon Coffee/Tea Break</b>
<b>3.20 pm</b>	<b>UTB-STE Connect 2025 Sessions</b>  <b>BICET</b> <b>Conference Room (SASM-2W.45), Level 2, SASM Building, UTB</b> <b>Classroom 4 (SASM-2E.04), Level 2, SASM Building, UTB</b> <b>Classroom 5 (SASM-2E.05), Level 2, SASM Building, UTB</b> <b>Classroom 6 (SASM-2E.06), Level 2, SASM Building, UTB</b> <b>Classroom 7 (SASM-2E.07), Level 2, SASM Building, UTB</b>  <b>ACIIS</b> <b>Classroom 6 (SASM-1E.06), Level 1, SASM Building, UTB</b> <b>Classroom 7 (SASM-1E.07), Level 1, SASM Building, UTB</b>  <b>ICBMIS</b> <b>Lecture Theatre 1, UTB Library Complex, UTB</b> <b>Classroom 2 (SASM-1E.02), Level 1, SASM Building, UTB</b> <b>Classroom 3 (SASM-1E.03), Level 1, SASM Building, UTB</b>  <b>ICABF</b> <b>Lecture Hall, Level 1, SASM Building, UTB</b>  <b>ICCArTe/ InHERIT</b> <b>Computer Lab (SASM-1W.46), Level 1, SASM Building, UTB</b>  <b>GCIMM</b> <b>Main Conference Hall, International Convention Centre, Berakas</b>  <b>ASEAN SRI-5.0</b> <b>Lecture Theatre 2, Library Complex, UTB</b>
<b>5.00 pm</b>	<b>End of Day 1 Sessions</b>
<b>5.10 pm</b>	<b>Tour Session</b>



يؤاتي بي.ايس.تي.ايم.ا.كونيكت ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



## PROGRAMME

### DAY 2

**(TUESDAY, 21<sup>ST</sup> OCTOBER 2025)**

<b>8.00 am</b>	<b>Registration</b>
	<b>UTB-STE Connect 2025 Session</b>
	<b>BICET</b> <i>Conference Room (SASM-2W.45), Level 2, SASM Building, UTB</i> <i>Classroom 4 (SASM-2E.04), Level 2, SASM Building, UTB</i> <i>Classroom 5 (SASM-2E.05), Level 2, SASM Building, UTB</i> <i>Classroom 6 (SASM-2E.06), Level 2, SASM Building, UTB</i> <i>Classroom 7 (SASM-2E.07), Level 2, SASM Building, UTB</i>
	<b>ACIIS</b> <i>Lecture Hall, Level 1, SASM Building, UTB</i>
	<b>ICBMIS</b> <i>Lecture Theatre 1, UTB Library Complex, UTB</i> <i>Classroom 2 (SASM-1E.02), Level 1, SASM Building, UTB</i> <i>Classroom 3 (SASM-1E.03), Level 1, SASM Building, UTB</i>
	<b>ICABF</b> <i>Classroom 5 (SASM-1E.05), Level 1, SASM Building, UTB</i>
	<b>ICCArTe/ InHERIT</b> <i>Classroom 2 (SASM-2E.02), Level 2, SASM Building, UTB</i> <i>Classroom 3 (SASM-2E.03), Level 2, SASM Building, UTB</i>
	<b>GCIMM</b> <i>Seminar Room 1 (SASM-2W.42), Level 2, SASM Building, UTB</i>
	<b>ASEAN SRI-5.0</b> <i>Classroom 8 (SASM-2E.08), Level 2, SASM Building, UTB</i>



	<p><b>3<sup>rd</sup> UTB University Presidents Forum (UPF)</b> <b>Computer Lab (SASM-1W.46), Level 1, SASM Building, UTB</b></p>
	<p><b>2<sup>nd</sup> UTB Women Leadership Forum (WLF)</b> <b>Seminar Room 2 (SASM-2W.43), Level 2, SASM Building, UTB</b></p>
<b>10.00 am</b>	<b>Morning Coffee/Tea Break</b>
<b>10.30 am</b>	<p><b>UTB-STE Connect 2025 Session</b></p> <p><b>BICET</b> <b>Conference Room (SASM-2W.45), Level 2, SASM Building, UTB</b> <b>Classroom 4 (SASM-2E.04), Level 2, SASM Building, UTB</b> <b>Classroom 5 (SASM-2E.05), Level 2, SASM Building, UTB</b> <b>Classroom 6 (SASM-2E.06), Level 2, SASM Building, UTB</b> <b>Classroom 7 (SASM-2E.07), Level 2, SASM Building, UTB</b></p> <p><b>ACIIS</b> <b>Lecture Hall, Level 1, SASM Building, UTB</b></p> <p><b>ICBMIS</b> <b>Classroom 2 (SASM-1E.02), Level 1, SASM Building, UTB</b> <b>Classroom 3 (SASM-1E.03), Level 1, SASM Building, UTB</b></p> <p><b>ICABF</b> <b>Classroom 5 (SASM-1E.05), Level 1, SASM Building, UTB</b></p> <p><b>ICCArTe/ InHERIT</b> <b>Classroom 2 (SASM-2E.02), Level 2, SASM Building, UTB</b> <b>Classroom 3 (SASM-2E.02), Level 2, SASM Building, UTB</b></p> <p><b>GCIMM</b> <b>Seminar Room 1 (SASM-2W.42), Level 2, SASM Building, UTB</b></p> <p><b>ASEAN SRI-5.0</b> <b>Classroom 8 (SASM-2E.08), Level 2, SASM Building, UTB</b></p>



يؤاتي بي. ايس. تي. ايم. كونيفت ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



	<p><b>UPF</b> <i>Computer Lab (SASM-1W.46), Level 1, SASM Building, UTB</i></p> <p><b>WLF</b> <i>Seminar Room 2 (SASM-2W.43), Level 2, SASM Building, UTB</i></p>
<b>12.00 pm</b>	<b>Lunch Break</b>
<b>1.30 pm</b>	<b>Registration</b>
	<p><b>UTB-STE Connect 2025 Session</b></p> <p><b>BICET</b> <i>Conference Room (SASM-2W.45), Level 2, SASM Building, UTB</i> <i>Classroom 4 (SASM-2E.04), Level 2, SASM Building, UTB</i> <i>Classroom 5 (SASM-2E.05), Level 2, SASM Building, UTB</i> <i>Classroom 6 (SASM-2E.06), Level 2, SASM Building, UTB</i> <i>Classroom 7 (SASM-2E.07), Level 2, SASM Building, UTB</i></p> <p><b>ACIIS</b> <i>Classroom 8 (SASM-1E.08), Level 1, SASM Building, UTB</i></p> <p><b>ICBMIS</b> <i>Classroom 2 (SASM-1E.02), Level 1, SASM Building, UTB</i> <i>Classroom 3 (SASM-1E.03), Level 1, SASM Building, UTB</i></p> <p><b>ICABF</b> <i>Classroom 5 (SASM-1E.05), Level 1, SASM Building, UTB</i></p> <p><b>ICCArTe/ InHERIT</b> <i>Lecture Hall, Level 1, SASM Building, UTB</i></p> <p><b>GCIMM</b> <i>Seminar Room 1 (SASM-2W.42), Level 2, SASM Building, UTB</i></p> <p><b>ASEAN SRI-5.0</b> <i>Classroom 8 (SASM-2E.08), Level 2, SASM Building, UTB</i></p>



يؤا تي بي ايس تي ايم كونيكت ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



	<p><b>UPF</b> <i>Computer Lab (SASM-1W.46), Level 1, SASM Building, UTB</i></p> <p><b>WLF</b> <i>Seminar Room 3 (SASM-2W.44), Level 2, SASM Building, UTB</i></p> <p><b>Postgraduate Colloquium (PGC)</b> <i>Classroom 3 (SASM-2E.03), Level 2, SASM Building, UTB</i></p>
<b>3.00 pm</b>	<b>Afternoon Coffee/Tea Break</b>
<b>3.20 pm</b>	<p><b>UTB-STE Connect 2025 Session</b></p> <p><b>BICET</b> <i>Conference Room (SASM-2W.45), Level 2, SASM Building, UTB</i> <i>Classroom 4 (SASM-2E.04), Level 2, SASM Building, UTB</i> <i>Classroom 5 (SASM-2E.05), Level 2, SASM Building, UTB</i> <i>Classroom 6 (SASM-2E.06), Level 2, SASM Building, UTB</i> <i>Classroom 7 (SASM-2E.07), Level 2, SASM Building, UTB</i></p> <p><b>ACIIS</b> <i>Classroom 8 (SASM-1E.08), Level 1, SASM Building, UTB</i></p> <p><b>ICBMIS</b> <i>Classroom 2 (SASM-1E.02), Level 1, SASM Building, UTB</i> <i>Classroom 3 (SASM-1E.03), Level 1, SASM Building, UTB</i></p> <p><b>ICABF</b> <i>Classroom 5 (SASM-1E.05), Level 1, SASM Building, UTB</i></p> <p><b>ICCArTe/ InHERIT</b> <i>Lecture Hall, Level 1, SASM Building, UTB</i></p> <p><b>GCIMM</b> <i>Seminar Room 1 (SASM-2W.42), Level 2, SASM Building, UTB</i></p> <p><b>ASEAN SRI-5.0</b> <i>Classroom 8 (SASM-2E.08), Level 2, SASM Building, UTB</i></p>



يؤا. تي. بي. ال. تي. ا. ك. ن. ك. ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



	<p><b>UPF</b> <i>Computer Lab (SASM-1W.46), Level 1, SASM Building, UTB</i></p> <p><b>WLF</b> <i>Seminar Room 3 (SASM-2W.44), Level 2, SASM Building, UTB</i></p> <p><b>Postgraduate Colloquium (PGC)</b> <i>Classroom 3 (SASM-2E.03), Level 2, SASM Building, UTB</i></p>
<b>5.00 pm</b>	<b>End of Day 2 Sessions</b>
<b>7.00 pm</b>	<b>UTB-STE Connect 2025 Dinner</b> <i>Goldstone Ballroom, The Centrepoint Hotel</i>



يؤاتى. بى. الئس. تى. ائىا. كؤنىكأت ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



## PROGRAMME

**DAY 3**

**(WEDNESDAY, 22<sup>ND</sup> OCTOBER 2025)**

<b>8.00 am</b>	<p><b>Registration</b></p> <hr/> <p><b>UTB-STE Connect 2025 Session</b></p> <p><b>BICET</b> <i>Conference Room (SASM-2W.45), Level 2, SASM Building, UTB</i> <i>Classroom 4 (SASM-2E.04), Level 2, SASM Building, UTB</i> <i>Classroom 5 (SASM-2E.05), Level 2, SASM Building, UTB</i> <i>Classroom 6 (SASM-2E.06), Level 2, SASM Building, UTB</i> <i>Classroom 7 (SASM-2E.07), Level 2, SASM Building, UTB</i></p> <p><b>ACIIS</b> <i>Classroom 6 (SASM-1E.06), Level 1, SASM Building, UTB</i> <i>Classroom 7 (SASM-1E.07), Level 1, SASM Building, UTB</i></p> <p><b>ICBMIS</b> <i>Lecture Theatre 1, UTB Library Complex, UTB</i> <i>Classroom 2 (SASM-1E.02), Level 1, SASM Building, UTB</i> <i>Classroom 3 (SASM-1E.03), Level 1, SASM Building, UTB</i></p> <p><b>ICABF</b> <i>Lecture Hall, Level 1, SASM Building, UTB</i></p> <p><b>ASEAN SRI-5.0</b> <i>Classroom 8 (SASM-2E.08), Level 2, SASM Building, UTB</i></p> <p><b>WLF</b> <i>Seminar Room 3 (SASM-2W.44), Level 2, SASM Building, UTB</i></p> <p><b>GCIMM</b> <i>Seminar Room 1 (SASM-2W.42), Level 2, SASM Building, UTB</i></p> <p><b>Postgraduate Colloquium (PGC)</b> <i>Computer Lab (SASM-1W.46), Level 1, SASM Building, UTB</i></p> <p><b>Introduction of Science, Technology, and Innovation (STI) Coordination</b> <i>Seminar Room 1 (SASM-2W.42), Level 2, SASM Building, UTB</i></p>
----------------	---



يؤاتي بي. ايس. تي. ايم. كونيك٢٥٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



10.00 am	Morning Coffee/Tea Break
10.30 am	<b>UTB-STE Connect 2025 Session</b>  <b>BICET</b> Conference Room (SASM-2W.45), Level 2, SASM Building, UTB Classroom 4 (SASM-2E.04), Level 2, SASM Building, UTB Classroom 5 (SASM-2E.05), Level 2, SASM Building, UTB Classroom 6 (SASM-2E.06), Level 2, SASM Building, UTB Classroom 7 (SASM-2E.07), Level 2, SASM Building, UTB  <b>ACIIS</b> Classroom 6 (SASM-1E.06), Level 1, SASM Building, UTB Classroom 7 (SASM-1E.07), Level 1, SASM Building, UTB  <b>ICBMIS</b> Classroom 2 (SASM-1E.02), Level 1, SASM Building, UTB Classroom 3 (SASM-1E.03), Level 1, SASM Building, UTB  <b>ICABF</b> Lecture Hall, Level 1, SASM Building, UTB  <b>ASEAN SRI-5.0</b> Classroom 8 (SASM-2E.08), Level 2, SASM Building, UTB  <b>WLF</b> Seminar Room 3 (SASM-2W.44), Level 2, SASM Building, UTB  <b>GCIMM</b> Seminar Room 1 (SASM-2W.42), Level 2, SASM Building, UTB  <b>Postgraduate Colloquium (PGC)</b> Computer Lab (SASM-1W.46), Level 1, SASM Building, UTB  <b>Introduction of Science, Technology, and Innovation (STI) Coordination</b> Seminar Room 1 (SASM-2W.42), Level 2, SASM Building, UTB
12.00 pm	Lunch Break
1.30 pm	Registration



يؤاتي. بي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



	<p><b>UTB-STE Connect 2025 Session</b></p> <p><b>BICET</b> <i>Conference Room (SASM-2W.45), Level 2, SASM Building, UTB Classroom 4 (SASM-2E.04), Level 2, SASM Building, UTB Classroom 5 (SASM-2E.05), Level 2, SASM Building, UTB Classroom 6 (SASM-2E.06), Level 2, SASM Building, UTB Classroom 7 (SASM-2E.07), Level 2, SASM Building, UTB</i></p> <p><b>ACIIS</b> <i>Classroom 6 (SASM-1E.06), Level 1, SASM Building, UTB Classroom 7 (SASM-1E.06), Level 1, SASM Building, UTB</i></p> <p><b>ICBMIS</b> <i>Classroom 2 (SASM-1E.02), Level 1, SASM Building, UTB Classroom 3 (SASM-1E.03), Level 1, SASM Building, UTB</i></p> <p><b>ICABF</b> <i>Lecture Hall, Level 1, SASM Building, UTB</i></p> <p><b>ASEAN SRI-5.0</b> <i>Classroom 8 (SASM-2E.08), Level 2, SASM Building, UTB</i></p> <p><b>WLF</b> <i>Seminar Room 3 (SASM-2W.44), Level 2, SASM Building, UTB</i></p> <p><b>Postgraduate Colloquium (PGC)</b> <i>Computer Lab (SASM-1W.46), Level 1, SASM Building, UTB</i></p>
<b>5.00 pm</b>	<b>End of Day 3 Sessions</b>



يؤا. تي. بي. ايس. تي. ايم. كونيكٲٲ٠٢٥

**UTB-STE CONNECT 2025**

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



## CONFERENCE PROGRAMMES



يؤاتي جي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam





يؤاتي. بي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



**10<sup>th</sup> Brunei International Conference on Engineering and Technology 2025**  
**Universiti Teknologi Brunei**  
**Day 1 - 20<sup>th</sup> October 2025**  
**Programme Civil Engineering Track**

<b>8.30</b>	<b>Opening Ceremony UTB-STE Connect 2025</b> Venue: ICC	
<b>14:00</b>	<b>Opening Remark BICET2025 - Conference Room, Level 2, SASM Building</b> Dr Tan Soon Jiann Chairperson BICET 2025	
<b>14:15</b>	<b>Keynote 1 (Physical) - Conference Room, Level 2, SASM Building</b> <b>Professor Ir. Dr. Sharul Kamal Abdul Rahim</b> <i>Wireless Communication Centre (WCC) at Universiti Teknologi Malaysia, Malaysia</i>  Title: <i>Beamforming and Antenna Arrays for Smart City Communication Systems</i>	
<b>15:00</b>	<b>Coffee Break</b>	
<b>PARALLEL SESSION (1) - CLASSROOM 6 (SASM Building)</b> SESSION CHAIR 1: Dr Geetha Karthi and SESSION CHAIR 2: Pg Dr Noor Muneerah Binti Pg Hj Jeludin		
<b>Time</b>	<b>Paper ID</b>	<b>Paper Title &amp; Authors</b>
<b>15:30</b>	74	<b>The Capacity of Multi-Lane Roundabouts in Brunei Darussalam</b> Yok Hoe Yap, Ashley Pei Wenn Chua, Siti Raihanah Supri and Soon Jiann Tan
<b>15:45</b>	94	<b>Back-Analysis of Rainfall-Induced Slope Failure: A Case Study in Brunei Darussalam</b> Hafizah Aliakbar, Soon Jiann Tan, Uditha Ratnayake and Ena Kartina Hj Abd Rahman
<b>16:00</b>	46	<b>Optimisation of Settlement Estimates: A Comparative Study of Shallow Foundation Analysis Methods</b> Gabriel Chiong, Meka Rao, Siong Chiong and Siew Lim
<b>16:15</b>	53	<b>The Study of Start-Up Acclimatization Process of Integrated AOP-Biological Treatment of Landfill Leachate</b> Amni Nadzirah Hj. Mohd. Yussof, Mohamed Hasnain Isa, Rozeana Hj. Md. Juani and Hjh. Roslyna Hj. Rosli
<b>16:30</b>	102	<b>Sanitary Landfill Leachate Treatment Using Chemical Oxidation</b> Ruhazeat Haji Sambas, Mohamed Hasnain Isa, Teh Sabariah Abd Manan, Muhammad Raza Ul Mustafa, Naimah Ibrahim, Lai Peng Wong, Suaidah Rahim and Amni Nadzirah Hj. Mohd. Yussof
<b>17:00</b>	<b>End of Day 1</b>	



يوتا تي جي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



**10<sup>th</sup> Brunei International Conference on Engineering and Technology 2025**  
**Universiti Teknologi Brunei**  
**Day 2 - 21<sup>st</sup> October 2025**  
**Programme Civil Engineering Track**

Conference Room, Level 2, SASM Building		
8:15	<b>Water Recycling, Stormwater Harvesting, Desalination: Where to Start?</b> Keynote 2 (Online-Hybrid) Professor Dr. Monzur Imteaz Alam Head of the Urban Environmental & Transport Systems at Swinburne University of Technology, Melbourne, Australia	
9:00	<b>Metal Additive Manufacturing: Challenges and Opportunities</b> Keynote 3 (Online-Hybrid) Professor Dr. Wayne NP Hung Department of Engineering Technology & Industrial Distribution of Texas A&M University in Texas, USA.	
9:45	<b>Sustainable Process Safety Management: A Strategic National Imperative for Safety and Continuity</b> Distinguished Lecture 1 (Physical) Dr. Ir. Terry Douglas Jayasuriya-Gomes TDJ Consultancy Group, IET Brunei Representative	
10:15	Coffee Break	
<b>PARALLEL SESSION (2) - CLASSROOM 6 (SASM Building)</b> SESSION CHAIR 1: Dr Lim Pang Jen SESSION CHAIR 2: Dr Motiar Rahman		
Time	Paper ID	Paper Title & Authors
10:30	64	<b>Modelling the Effect of Root Depth and Location on the Stability of Slopes During Rainfall</b> Marteen Boey, Ena Kartina Abdul Rahman, Uditha Ratnayake
10:45	98	<b>Survey and Analysis of Envelope Design Characteristics in Bruneian Detached Houses</b> Ady Taib
11:00	141	<b>Key Barriers to Implementing BIM in Brunei Darussalam</b> Wang Hounq Janthip Wong Hounq, Md Motiar Rahman and Hj Rajul Adli Hj Asli
11:15	95	<b>The Role of Green Infrastructure in Preventing Flash Flood</b> Arifatul Haziyah Hj Awg Md Akip, Md Motiar Rahman, Hj Rajul Adli Hj Asli and Uditha Ratnayake
11:30	67	<b>Motivators for Circular Economy: A Summary of Indian Perspectives</b> Preethi Amrut Rao, Md Motiar Rahman, Pang Jen Lim and Saiful Baharin Duraman
12:00	Lunch Break	



يؤاتي. بي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



Time	Event	
13:30	<p><b>Thermocatalytic Conversion of Biomass to Biofuels and Phenols: A Circular Economy Approach to Renewable Carbon Utilization</b>  <b>Keynote 4 (Online-Hybrid)</b>  <b>Professor Dr. Ravikrishnan Vinu</b>                      Department of Chemical Engineering, Indian Institute of Technology Madras                      Chennai, India</p>	
<p><b>PARALLEL SESSION (3a) - CLASSROOM 6 (SASM Building)</b>                      SESSION CHAIR 1: Dr Uditha Ratnayake and SESSION CHAIR 2: Dr Yok Hoe Yap</p>		
Time	Paper ID	Paper Title & Authors
14:15	150	<p><b>Synthesis of Alkali-Impregnated Nanocarbon for Removing Polysaccharides from Coir Industrial Effluent</b>                      Geethakarthis A, Remisha S R and Mohamed Hasnain Isa</p>
14:30	89	<p><b>Seawater Integrated Electrocoagulation Process Optimization for Textile Effluent Treatment: A Comparative Multi-Criteria Decision-Making Analysis Using TOPSIS and VIKOR</b>                      Tahmeed Ahmed, Md. Habibur Rahman Bejoy Khan, Amimul Ahsan and Shahriar Shams</p>
14:45	87	<p><b>Challenges for Adopting Circular Economy: A Summary of Indian Perspectives</b>                      Preethi Amrut Rao, Md Motiar Rahman, Pang Jen Lim and Saiful Baharin Duraman</p>
15:00	<b>Coffee Break</b>	
<p><b>Day 2 - AFTERNOON PARALLEL SESSION (3b) - CLASSROOM 6 (SASM Building)</b>                      SESSION CHAIR 1: Pg Dr Noor Muneerah Binti Pg Hj Jeludin and SESSION CHAIR 2: Dr Uditha Ratnayake</p>		
Time	Paper ID	Paper Title & Authors
15:30	110	<p>Modelling Tidal and Fluvial Hydrodynamics in the Thames Estuary, UK - Calibration and Validation of a Two-Dimensional Hec-Cras Framework                      Asari Abdul Rashid, Nur Amera Aqilah Noor Ash, Dr Uditha Ratnayake and Rama Rao Karri</p>
15:45	20	<p>Rainwater Harvesting Systems for Agriculture: Design Variations, Material, and Implementation Feasibility- A Systematic Review                      Ahmad Safwan Ali, Shahriar Shams and Wida Susanty Haji Suhaili</p>
16:00	42	<p>Tools for Assessing Health of Aerobic Sludge Biomass                      Rajneesh Kumar, Gurbinder Kaur Saini and Mohammad Jawed</p>
17:00	<b>End of Day 2</b>	



يؤاتي جي. ايس. تي. ايم. كونيفرت ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



**10<sup>th</sup> Brunei International Conference on Engineering and Technology 2025**  
**Universiti Teknologi Brunei**  
**Day 3 - 22<sup>nd</sup> October 2025**  
**Programme Civil Engineering Track**

<b>MORNING PARALLEL SESSION (4) - ONLINE</b>		
SESSION CHAIR 1: Associate Professor Dr Munir Hayet Khan and CHAIR 2: Dr Ismawi Hj Md Yusuf		
<b>Time</b>	<b>Paper ID</b>	<b>Paper Title &amp; Authors</b>
<b>10:00</b>	16	<b>Recirculating Aquaculture System (RAS) in Removing Turbidity and Ammonia for Udang</b> Faizah Haji Fauzi, Muhammad Hafiz Bin Nulazmi, Shahriar Shams, Najeebah Az-Zahra Tashim and Lim
<b>10:15</b>	115	<b>Determination of Total Maximum Daily Load (TMDL) for the Rehabilitation of Pusu River</b> Sohaib Abid Khan, Abdullah Al Mamun and Shahriar Shams
<b>10:30</b>	109	<b>Assessment of Surface Water Quality in Brunei- Muara District</b> Faizah Haji Fauzi, Siti Zuhairah Brahim, Arunima Sekhar and Shahriar Shams
<b>10:45</b>	69	<b>Stabilisation of Expansive Clay Using Spent Coffee Ground Ash (CGA)</b> Suaidah Rahim, Pg Dr Noor Muneerah Pg Hj Jeludin, Afiqah Junaidi, Norhafizah Alias and Salma Ismail
<b>11:00</b>	31	Stabilisation of Expansive Clay Using Spent Coffee Ground Ash (CGA) Nurhanim Abdul Aziz, Norli Ismail and Nurul Illiana Mazlishah
<b>11:15</b>	80	Waste-Inclusive Enhanced Construction Material Functions: A Review of Sustainable Strategies Via Repurposing Industrial By-Products Through Cement Replacement Zi Hao Lim, Yeong Huei Lee and Yie Hua Tan
<b>12:00</b>	<b>Lunch Break</b>	
<b>14:00</b>	<b>BICET 2025 Closing Ceremony</b> <b>Conference Room, Level 2, SASM Building</b> Professor Ir Dr Mohammad Yeakub Ali Co-Chairperson BICET 2025	



يؤاتي جي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



**10<sup>th</sup> Brunei International Conference on Engineering and Technology 2025**  
**Universiti Teknologi Brunei**  
**Day 1 - 20<sup>th</sup> October 2025**  
**Programme Electrical and Electronic Engineering Programme Track**

8.30	<b>Opening Ceremony UTB-STE Connect 2025</b> Venue: ICC	
14:00	<b>Opening Remark BICET2025 - Conference Room, Level 2, SASM Building</b> Dr Tan Soon Jiann Chairperson BICET 2025	
14:15	<b>Keynote 1 (Physical) - Conference Room, Level 2, SASM Building</b> <b>Professor Ir. Dr. Sharul Kamal Abdul Rahim</b> Wireless Communication Centre (WCC) at Universiti Teknologi Malaysia, Malaysia Title: Beamforming and Antenna Arrays for Smart City Communication Systems	
15:00	<b>Coffee Break</b>	
<b>PARALLEL SESSION (1) - CLASSROOM 4 (SASM Building)</b> SESSION CHAIR 1: Dr Sheik Mohammed Sulthan and SESSION CHAIR 2: Dr Suganthi Saravana Balaji		
<b>Time</b>	<b>Paper ID</b>	<b>Paper Title &amp; Authors</b>
15:30	13	<b>Indoor and Outdoor Temperature Influence Towards Classroom AC Temperature Setpoint</b> Siti Zubaidah Bahrin, Nor Asiah Muhamad and Kah Haw Law
15:45	92	<b>Inverter Placement Thermal Study For 20 kW 36-Panel Solar Plant</b> Azieuddin Shahrin, Nor Asiah Muhamad and Ishlah Rahman
16:00	96	<b>Operation and Maintenance of Grid-Tied Solar Photovoltaic (PV) System at Lumut Campus, Politeknik Brunei</b> Mohammad Ishlah Haji Abdul Rahman
16:15	14	<b>Effect of Stirring Time On The AC Breakdown Voltage Test of Insulation Oils</b> Erra Aerwenny Roslan, Nor Asiah Muhamad and Swee Peng Ang
16:30	75	<b>Modelling of Classroom Lighting System Utilizing Natural and Artificial Lighting using DIALux</b> Muhamad Arif Hakimi B Ramlee, Chin-Leong Wooi, Yi Lung Then, Nor Asiah Muhamad, Syahrin Nizam Muhmmad Arshad Hashim, Muzaidi Othman and Hadi Nabipour-Afrouzi
16.45	<b>End of Day 1</b>	



يؤاتي جي. ايس. تي. ايم. كونيفات ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



**10<sup>th</sup> Brunei International Conference on Engineering and Technology 2025**  
**Universiti Teknologi Brunei**  
**Day 2 - 21<sup>st</sup> October 2025**  
**Programme Electrical and Electronic Engineering Programme Track**

<b>Conference Room, Level 2, SASM Building</b>		
<b>8:15</b>		<b>Water Recycling, Stormwater Harvesting, Desalination: Where to Start?</b> Keynote 2 (Online-Hybrid) Professor Dr. Monzur Imteaz Alam Head of the Urban Environmental & Transport Systems at Swinburne University of Technology, Melbourne, Australia
<b>9:00</b>		<b>Metal Additive Manufacturing: Challenges and Opportunities</b> Keynote 3 (Online-Hybrid) Professor Dr. Wayne NP Hung Department of Engineering Technology & Industrial Distribution of Texas A&M University in Texas, USA.
<b>9:45</b>		<b>Sustainable Process Safety Management: A Strategic National Imperative for Safety and Continuity</b> Distinguished Lecture 1 (Physical) Dr. Ir. Terry Douglas Jayasuriya-Gomes TDJ Consultancy Group, IET Brunei Representative
<b>10:15</b>	<b>Coffee Break</b>	
<b>PARALLEL SESSION (2) - CLASSROOM 6 (SASM Building)</b> SESSION CHAIR 1: Dr Chin-Leong Wooi and SESSION CHAIR 2: Ir. Dr Kenneth Yeo		
<b>Time</b>	<b>Paper ID</b>	<b>Paper Title &amp; Authors</b>
<b>10:30</b>	7	<b>Design and Implementation of an IoT Wearable for Upper Body Posture Correction and Muscle Fatigue Monitoring</b> Siti Adriana Syazwina Hazli, Miza Syazwina Muhamad Jusri, Zamiah Haziqah Muhammad Asnawi, Ahmad Azlan Ab Aziz, Nor Aiman Sukindar, Zunaidi Ibrahim and Siti Maria As-Soleha Muhd Al-Qusyairi
<b>10:45</b>	35	<b>IoT-Based Indoor Hydroponic Cultivation System</b> Dayangku Nur-Syifaa Binti Pengiran Kamal Allim, Saiful Bahri bin Hj Md Jaafar, Swee Peng Ang and Kah Haw Law
<b>11:00</b>	86	<b>Self-Harvesting Aquaponic System with IoT Monitoring</b> Siti Nurmahirah Md Arif, Nur Naafizah Mohammad Rapi, Mohammad Amirul Hakim Hj Shamli, Noralam Tuah, Ismit Mohamad, Norhafizah Muhammad and Azlina Diyanah Hamid
<b>11:15</b>	107	<b>Smart Parking: Real-Time Monitoring With Application-Based Reservation</b> Sui Mei Koo, Nurazmina Lingas, Nazri Ahmad and Ismit Mohamad



يوني.تي.بي. ايس.تي. ايم.ا. كونيك٢٥٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



11:30	112	<p><b>The Integration of An IoT System For Monitor And Maintaining Vertical Rice Farming Cultivation</b> Muhamad Amirun Irfan Hasan, Wida Susanty Haji Suhaili, Heru Susanto, Haji Abdul Matteen Haji Tahir and Ang Swee Peng</p>
11:45	60	<p><b>Design and Implementation of a Solar PV Powered Hybrid Food Dehydrator</b> Abdul Wazif Bin Ja'Faruddin, Dr. Sheik Mohammed Sulthan, Dr. Ang Swee Peng and Muhammad Norfauzi Dani</p>
12:00	<b>Lunch Break</b>	
13:30	<p><b>Thermocatalytic Conversion of Biomass to Biofuels and Phenols: A Circular Economy Approach to Renewable Carbon Utilization</b> <b>Keynote 4 (Online-Hybrid)</b> <b>Professor Dr. Ravikrishnan Vinu</b> Department of Chemical Engineering, Indian Institute of Technology Madras Chennai, India</p>	
<p><b>PARALLEL SESSION (3) - CLASSROOM 6 (SASM Building)</b> SESSION CHAIR 1: Dr Norfauzi POKDPDP Haji Dani and SESSION CHAIR 2: Norhafizah Muhammad</p>		
<b>Time</b>	<b>Paper ID</b>	<b>Paper Title &amp; Authors</b>
14:15	145	<p><b>Fabrication of Compact Patch Antenna Loaded CRR with Efficiency Enhancement and Higher-Order Mode Suppression</b> Mohamad Faiz Mohamed Omar, Sharul Kamal Abdul Rahim, Mohd Fadzil Ain, Azlan Aziz, Mohd Nazri Mahmud, Asrulnizam Abd Manaf and Intan Sorfina Zainal Abidin</p>
14:30	93	<p><b>A Patch Partial Ground Dipole Antenna design for LoRa IoT Applications</b> Ir. Dr. Ahmad Azlan Ab. Aziz and Siti Maria As-Soleha Muhd Al-Qusyairi</p>
14:45	148	<p><b>Design and Development of an IoT-Enabled Soft Hand Exoskeleton for Personalised Stroke Rehabilitation</b> Awg Md Sallehudin Awg Md Salishaknizam, Ir. Ts. Dr Ahmad Azlan Ab Aziz, Dr. Nor Aiman Sukindar and Ir. Dr. Zunaidi Ibrahim</p>
15:00	<b>Coffee Break</b>	
<b>Time</b>	<b>Paper ID</b>	<b>Paper Title &amp; Authors</b>
15:30	4	<p><b>Power Usage Prediction in Wastewater Treatment Plant using Machine Learning with Noise-Based Augmentation</b> Susatyo Adi, Anargya Dm Christabel, Maziri Morsidi, Hazwani Suhaimi and Pg Emeroylariffion Abas</p>
15:45	26	<p><b>eFullRecall: A High-Recall Patent Retrieval and Ranking Method using Semantic Relationship Chains</b> Amna Ali, Chandratilak De Silva Liyanage, Maziri Morsidi and Pg Emeroylariffion Abas</p>



يؤاتي جي. ايس. تي. ايم. كونيفات ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



16:00	30	<b>Optimising Fish Counting in Aquaculture with Deep Learning: A YOLOv11 and Faster R-CNN Benchmark</b> Haziq Hariz Hisham, Rahimi Zahari and Pg Emeroylariffion Abas
16.15	59	<b>Optimal Electric Vehicle Load Shifting Using a K-Means Clustering Based MILP Technique</b> Suganathi S T, Dr. Sheik Mohammed Sulthan, Gobbi Ramasamy, Ngu Eng Eng and Thenmozhi G
16.30	106	<b>Effectiveness of Reconfigurable Intelligent Surface in Multipath Fading Channel</b> Hasnul Hashim
17:00	<b>End of Day 2</b>	
19:00	<b>UTB-STE Connect 2025 Dinner</b>	

**10<sup>th</sup> Brunei International Conference on Engineering and Technology 2025**  
**Universiti Teknologi Brunei**  
**Day 3 - 22<sup>nd</sup> October 2025**  
**Programme Electrical and Electronic Engineering Programme Track**

MORNING PARALLEL SESSION 4 - ONLINE			
SESSION - CHAIR 1: Ir. Ts. Dr Ahmad Azlan Ab Aziz and SESSION CHAIR 2: Hajah Dr. Nur'azmina Lingas			
Time	Paper ID	Paper Title	Authors
10:00	54	<b>Design of Energy Efficient Hybrid Power Management Model for BTS Integrating Solar Energy</b> Abdur Rahman, Mohammad Yeakub Ali, Muhammad Mahbubur Rashid, Syed Munimus Salam and Nur Mohammad	
10:15	72	<b>Enhanced Hybrid Quantum-LSTM Architecture for Advanced Solar Photovoltaic Power Forecasting: A Comprehensive Quantum Machine Learning Approach</b> Mayan Sharma, Sri Revathi B, Vishnu Suresh and Dr. Sheik Mohammed Sulthan	
10:30	101	<b>IoT-Based Rainwater Harvesting For Roof Misting In Brunei: A Machine-Learning-Supported Approach</b> Abdul Hafiy Bin Abdul Wahab, Nur Mawaddah Syairah Binti Haji Hasnan Hasnan, Nijah Sharif, S H Shah Newaz, Shahriar Shams, Mohamad Saiful Bin Haji Omar, Sheik Mohammed	
12:00	<b>Lunch Break</b>		
14:00	<b>BICET 2025 Closing Ceremony</b> <b>Conference Room, Level 2, SASM Building</b> Professor Ir Dr Mohammad Yeakub Ali Co-Chairperson BICET 2025		



يؤاتي. بي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



**10<sup>th</sup> Brunei International Conference on Engineering and Technology 2025**  
**Universiti Teknologi Brunei**  
**Day 1 - 20<sup>th</sup> October 2025**  
**Programme Mechanical Engineering Programme Track**

<b>8.30</b>	<b>Opening Ceremony UTB-STE Connect 2025</b> Venue: ICC	
<b>14:00</b>	<b>Opening Remark BICET2025 - Conference Room, Level 2, SASM Building</b> Dr Tan Soon Jiann Chairperson BICET 2025	
<b>14:15</b>	<b>Keynote 1 (Physical) - Conference Room, Level 2, SASM Building</b> <b>Professor Ir. Dr. Sharul Kamal Abdul Rahim</b> Wireless Communication Centre (WCC) at Universiti Teknologi Malaysia, Malaysia  Title: <i>Beamforming and Antenna Arrays for Smart City Communication Systems</i>	
<b>15:00</b>	<b>Coffee Break</b>	
<b>Day 1 - PARALLEL SESSION (1) - CLASSROOM 7 (SASM Building)</b> SESSION CHAIR 1: Dr Asad Khalid and SESSION CHAIR 2: Sir Murhamdillah		
<b>Time</b>	<b>Paper ID</b>	<b>Paper Title &amp; Authors</b>
<b>15:30</b>	<b>44</b>	<b>Machine Learning Prediction of Turbulent Kinetic Energy using <math>\beta^*</math>- Modified Turbulence Model Inputs</b> Chong Yii Kee and Naseem Uddin
<b>15:45</b>	<b>36</b>	<b>Engineering Education 4.0: Using Photonics Experiments to Promote Sustainability and Energy Awareness</b> Haider Al Juboori
<b>16:00</b>	<b>66</b>	<b>Development of Sensor Based Real-Time Monitoring Solar Food Dehydrator in Tropical Conditions</b> Mu'Tasim Latif, Azlina Diyanah Hamid and Hairol Ali
<b>16:15</b>	<b>70</b>	<b>Experimental Study on the Performance of Solar Food Dehydrator for Efficient Drying of Mangoes and Bananas in Brunei Darussalam</b> Azlina Diyanah Hamid and Mu'Tasim Latif
<b>16:30</b>	<b>22</b>	<b>Tool Life Study in Machining of TI-6AL-4V Alloy using Coated Carbide Insert</b> Tanujai Navaneethan, Abdul Md Mazid, Neamul Khandoker, Avinesh Narayan, Mohammad Yeakub Ali and Ramesh Singh



يؤاتي بي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



16:45	28	<b>Design Optimization and Experimental Validation of Pelton Turbine Buckets for Rainwater-Fed Micro-Hydro Systems Using CFD</b> Amal Basirah Karim, Hazwani Suhaimi, Nur Amal Fadhilah Narawi, Roslynn Rosli and Pg Emeroylariffion Abas
17:00	<b>End of Day 1</b>	

**10<sup>th</sup> Brunei International Conference on Engineering and Technology 2025**  
**Universiti Teknologi Brunei**  
**Day 2 - 21<sup>st</sup> October 2025**  
**Programme Mechanical Engineering Programme Track**

Conference Room, Level 2, SASM Building		
8:15		<b>Water Recycling, Stormwater Harvesting, Desalination: Where to Start?</b> Keynote 2 (Online-Hybrid) Professor Dr. Monzur Imteaz Alam Head of the Urban Environmental & Transport Systems at Swinburne University of Technology, Melbourne, Australia
9:00		<b>Metal Additive Manufacturing: Challenges and Opportunities</b> Keynote 3 (Online-Hybrid) Professor Dr. Wayne NP Hung Department of Engineering Technology & Industrial Distribution of Texas A&M University in Texas, USA.
9:45		<b>Sustainable Process Safety Management: A Strategic National Imperative for Safety and Continuity</b> Distinguished Lecture 1 (Physical) Dr. Ir. Terry Douglas Jayasuriya-Gomes TDJ Consultancy Group, IET Brunei Representative
10:15	<b>Coffee Break</b>	
<b>PARALLEL SESSION (2) - CLASSROOM 6 (SASM Building)</b> SESSION CHAIR 1: Dr Zhwan Ibrahim and SESSION CHAIR 2: Md Hairol bin Md Ali		
Time	Paper ID	Paper Title & Authors
10:30	27	<b>Lean Management Framework for Maintenance Project in Process Industry</b> Izyan Hazirah, Mohammad Yeakub Ali, Samir Kamel, and Tamer Ibrahim
10:45	51	<b>The Mechanical Properties and Microstructures of the Ti-7.8Al-1.0V-1.0Mo-1.0Fe-1.0Cr Alloy during the Thermomechanical Processing</b> Sheng-Yang Hsu and Chih-Yeh Chao



11:00	76	<b>A Systematic Literature Review on Drilling Optimization Techniques for Thin Aluminium Components</b> Hazim Wafiuddin Kamaruzaman, Maziri Morsidi and Zunaidi Ibrahim
11:15	81	<b>Low Velocity Impact on Straight and Curved Composite Laminates</b> Asad A Khalid and Syazwan Asnawi Haji Yasli
11:30	38	<b>The Microstructures of the Ti-7.5Al-1.5V-1.5Fe1.5Cr-1.5Sn Alloy during Thermo-Mechanical Processing</b> Wei Chen Su and Chih Yeh Chao
11.45	91	<b>Performance of cotton-glass/epoxy nested tubes subjected to lateral impact loading</b> Asad A Khalid, Siti Sakinah Mahari Mahari, Zunaidi Ibrahim and Mur Hamdillah Murni
12:00	<b>Lunch Break</b>	
13:30	<b>Thermocatalytic Conversion of Biomass to Biofuels and Phenols: A Circular Economy Approach to Renewable Carbon Utilization</b> <b>Keynote 4 (Online-Hybrid)</b> <b>Professor Dr. Ravikrishnan Vinu</b> Department of Chemical Engineering, Indian Institute of Technology Madras Chennai, India	
<b>PARALLEL SESSION (3) - CLASSROOM 6 (SASM Building)</b> SESSION CHAIR 1: Dr Naseem Uddin and SESSION CHAIR 2: Sir Ahmad Shamil		
<b>Time</b>	<b>Paper ID</b>	<b>Paper Title &amp; Authors</b>
14:15	85	<b>Assessment of Machinability of Super Duplex 2507 Under Flood Cooling</b> Taufiq Manan, Mohammad Yeakub Ali, Seri Rahayu Ya'akub, Mohd Sayuti Karim, Abdul Md Mazid and Avinesh Narayan
14:30	21	<b>Industrial Application of Optimised Machining Parameters for Slurry Valve Disc Repair</b> Avinesh Narayan, Abdul Mazid, Ramesh Singh, Patrick Fordyce, Md Yeakub Ali and Tanujai Navaneethan
14:45	84	Investigation on the Effects of Machining Parameters on the Surface Roughness of Aluminium in the End-Milling Process Ahmad Najib Basman, Maziri Morsidi, Zunaidi Ibrahim, Rahayu Ya'akub and Ahmad Shamil Abdul Rahman
15:00	<b>Coffee Break</b>	
17:00	<b>End of Day 2</b>	
19:00	<b>UTB-STE Connect 2025 Dinner</b>	



٢٠٢٥ كونيكت ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



**10<sup>th</sup> Brunei International Conference on Engineering and Technology 2025**  
**Universiti Teknologi Brunei**  
**Day 3 - 22<sup>nd</sup> October 2025**  
**Programme Mechanical Engineering Programme Track**

MORNING PARALLEL SESSION 4b - ONLINE		
SESSION - CHAIR 1: Dr. Maziri bin Haji Dr. Morsidi and SESSION CHAIR 2: Ir. Dr. Zunaidi bin Ibrahim		
Time	Paper ID	Paper Title & Authors
10:00	45	<b>Investigation of a tidal turbine in an array configuration for low velocity applications</b> Nurdhiyauddin Nudin and Roslyna Rosli
10:15	82	<b>A Systematic Review on the Development of BioInspired Prosthetic Foot Using Carbon Fibre Composite</b> Nur Aqidah Izzati Hj Mohd Sani, Zunaidi Bin Ibrahim and Asad Khalid
10:30	47	<b>Performance Analysis of Rice-Straw Based Insulation Panel</b> Md Sejan Hossain, Md Taslim Alam Rafi, Mohammad Yeakub Ali, Mohammad Nurul Islam, Md Abdul Kader, Md Mukul Uddin, Pial Hasan Alvi and Md Almostasim Mahmud
10:45	58	<b>Transient Thermal Surge Management of Pouch Cell Batteries Using Compact Air Channel with the Presence of Fin and Composite Phase</b> Md. Maruf Tahmid, Md. Abdul Monem, Md. Mukul Uddin, Mohamed Hairol H M Ali, Md. Almostasim Mahmud, Mohammad Nurul Islam
11:00	63	<b>Enhancing Water Yield of Pyramid Solar Still through Natural Rock Serving as a Heat Storage Medium</b> Saad A. Mutasher Al Jaber, Mohammed Al Aofi, Khalid Al Busaidi, Qais Al Ghafri, Mohammed Al Abdali and Asad A.Khalid
11:15	147	<b>Carbon nanotubes based nano-materials against Acanthamoeba castellanii</b> Kit-Xun Chan, Tooba Jabri, Maria Talha, Muhammad Raza Shah, Asia Naz Awan, Long Chiau Ming, Ayaz Anwar and Seng-Kai Ong
11:30	83	<b>Dry Machining of Super Duplex 2507 Stainless Steel: Assessment of Machinability</b> Nur Darwisyah Batrisyia Muhammad Danial Dzimar, Mohammad Yeakub Ali, Maziri Morside, Ramesh Singh, Abdul Md Mazid and Tanujai Navaneethan
11:45	8	<b>Design and Development of a 3D-Printed EMGControlled Prosthetic Arm for Automated Finger Rehabilitation</b> Piut Hazman, Zunaidi Ibrahim, Dk Seri Rahayu Pg Ya'akub, Ahmad M. S. Elakloun and Ir Dr Ahmad Azlan Ab Aziz



يُؤاتى. بى. الئىس. تى. ائىما. كؤنىكأت ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



<b>12:00</b>	<b>Lunch Break</b>
<b>14:00</b>	<b>BICET 2025 Closing Ceremony</b> <b>Conference Room, Level 2, SASM Building</b> Professor Ir Dr Mohammad Yeakub Ali Co-Chairperson BICET 2025



يؤاتي بي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



**10<sup>th</sup> Brunei International Conference on Engineering and Technology 2025**  
**Universiti Teknologi Brunei**  
**Day 1 - 20<sup>th</sup> October 2025**  
**Programme Chemical and Energy Engineering Programme Track**

8.30	<b>Opening Ceremony UTB-STE Connect 2025</b> Venue: ICC	
14:00	<b>Opening Remark BICET2025 - Conference Room, Level 2, SASM Building</b> Dr Tan Soon Jiann Chairperson BICET 2025	
14:15	<b>Keynote 1 (Physical) - Conference Room, Level 2, SASM Building</b> <b>Professor Ir. Dr. Sharul Kamal Abdul Rahim</b> Wireless Communication Centre (WCC) at Universiti Teknologi Malaysia, Malaysia Title: <i>Beamforming and Antenna Arrays for Smart City Communication Systems</i>	
15:00	<b>Coffee Break</b>	
<b>Day 1 - PARALLEL SESSION (1) - CLASSROOM 7 (SASM Building)</b> SESSION CHAIR 1: Prof. Siva and SESSION CHAIR 2: Dr. Wendy		
<b>Time</b>	<b>Paper ID</b>	<b>Paper Title &amp; Authors</b>
15:30	17	<b>Thermally Robust Polymer-Carbon Nanocomposites for GHz EMI Shielding and Dielectric Applications: Scalable Fabrication and Stability Enhancement</b> Maziyar Sabet, Amalia Batrisyia Binti Ans Nawawi & Reddy Prasad
15:45	28	<b>Valorization of Sembada 188 Rice Husk as a Sustainable Bioadsorbent for Methylene Blue Removal</b> Yie Hua Tan, Ummul Hasanah Haji Hassan, Bridgid Lai Fui Chin, Jenney Lim Song Ngu, Nabisab Mujawar Mubarak and Tony Hadibarata
16:00	114	<b>Effect of Fly Ash on Phase and Compositional Behaviour of Cement</b> Muhammad Mozart Na'im Bin Haji Muhammad Emmy Shamry, Dr. Khairunnisa Nabilah Haji Ruslan, Dr. Md. Maksudur Rahman Khan, Dr. Reddy Prasad D.M and Pg Dr. Hj Saiful Baharin Pg
16:15	50	<b>Plasmonic nanoparticle ink for anti-counterfeit authentication</b> Kae Jye Si and Shyang Pei Hong
16:30	24	<b>Evaluation Of Packing Type and Material on Pressure Drop and Column Sizing in Absorption Towers</b> Izzah Syazwani Muhamad Jusri, Yie Hua Tan and Mubarak Nabisab Mujawar
16:45	105	<b>Modeling Safety Behavior Predictors Among Engineering Students in Brunei Entering in the Oil And Gas Industry</b> Alexander Joseph Song Wern Tsih, Reddy Prasad D M, Bashir Suleman Abusahmin and Mohammad Hazwan Bin Azri
17:00	<b>End of Day 1</b>	



يؤاتي بي. ايس. تي. ايم. كونيفات ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



**10<sup>th</sup> Brunei International Conference on Engineering and Technology 2025**  
**Universiti Teknologi Brunei**  
**Day 2 - 21<sup>st</sup> October 2025**  
**Programme Chemical and Energy Engineering Programme Track**

Conference Room, Level 2, SASM Building		
<b>8:15</b>	<b>Metal Additive Manufacturing: Challenges and Opportunities</b> Keynote 2 (Online-Hybrid) Professor Dr. Wayne NP Hung Department of Engineering Technology & Industrial Distribution of Texas A&M University in Texas, USA.	
<b>9:00</b>	<b>Water Recycling, Stormwater Harvesting, Desalination: Where to Start?</b> Keynote 3 (Online-Hybrid) Professor Dr. Monzur Imteaz Head of the Urban Environmental & Transport Systems at Swinburne University of Technology, Melbourne, Australia	
	<b>Distinguished Lecture 1 (Physical) - Conference Room, Level 2, SASM Building</b>	
<b>9:45</b>	<b>Sustainable Process Safety Management: A Strategic National Imperative for Safety and Continuity</b> Dr. Ir. Terry Douglas Jayasuriya-Gomes TDJ Consultancy Group, IET Brunei Representative	
<b>10:15</b>	<b>Coffee Break</b>	
<b>Day 2 - MORNING PARALLEL SESSION (2) - CLASSROOM 7 (SASM Building)</b> SESSION CHAIR 1: Dr Aravind and CHAIR 2: Dr Hazwan		
Time	Paper ID	Paper Title & Authors
<b>10:30</b>	<b>32</b>	<b>Optimization of Vanillic Acid Synthesis from Oil Palm Empty Fruit Bunches (<i>Elaeis guineensis</i> Jacq) Fermented with <i>Trichoderma harzianum</i></b> Salsa Alyaa Koirunisa Suhandi, Rayna Cangra Pempasa, Muhamad Farhan Agustian, Lili Melani and Muhammad Yusuf Abduh
<b>10:45</b>	<b>57</b>	<b>Laboratory And Cost-Benefit Analysis of Greywater Harvesting System in Brunei Darussalam</b> Shaidatul Nabilah, Stefan Godeke and Pg. Emeroylariffion Abas
<b>11:00</b>	<b>40</b>	<b>Preliminary Optical Sensor-Based Assessment of Carbon Dynamics in Mangrove Waters of Selirong Island, Brunei Darussalam</b> Afiqah Baharudin, Rahayu Sukri, Salwana Md. Jaafar, Muhammad Hadi Sahat and Stefan Gödeke



٢٠٢٥ كونيكت ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



11:15	56	<b>Design And Development of Chitosan Cellulose-Based Permeable Reactive Barrier for Pharmaceutical Wastewater Treatment</b> Sivarajasekar N, Thrisha Aravindh, Sukanya Karuppanan and Sivakumar Manickam
11:30	65	<b>Performance Of Palladium/Graphitic Carbon Nitride (Pd/Gc<sub>3</sub>N<sub>4</sub>) Based Electrode for Electrooxidation of Glycerol</b> Yi Xuan Liyau, Theodora Steffie Johnny, Md. Noor Bin Arifin, Khairunnisa Nabilah, D. M. Reddy Prasad and Md Maksudur Rahman Khan
11:45	29	<b>Failure Prediction and Risk Assessment of Metals in Sour Corrosion Environments Using Statistical Tools</b> Yasmin Mubin, Reddy Prasad D.M., Bashir Suleman Abusahmin and Md Maksudur Rahman Khan
12:00	<b>Lunch Break</b>	
13:30	<b>Biomass Conversion to Biofuels and Phenols via Thermocatalytic Platforms</b> Keynote 4 (Online-Hybrid) - India (UTB SASM Building Lecture Theatre) Prof. Dr. R. Vinu, Chemical Engineering department, Indian Institute of Technology, IIT Madras, India	
<b>Day 2 - AFTERNOON PARALLEL SESSION (3a) - CLASSROOM 7 (SASM Building)</b> CHAIR 1: Dr. Sivarajasekar and SESSION CHAIR 2: Dr Maziyar		
<b>Time</b>	<b>Paper ID</b>	<b>Paper Title &amp; Authors</b>
14:15	108	<b>Tailored Biochar Formulations for Soil-Specific Applications: Optimizing Biochar Properties for Enhanced Soil Health in Sandy, Clay, and Loamy Soils</b> Zi Liang Lee, Lai Ti Gew, Jacty Chew, Hwai Chyuan Ong and Long Chiau Ming
14:30	121	<b>Biochar From Spent Coffee Grounds Enriched with Plant Growth-Promoting Bacteria: A Contribution to a Circular Economy</b> Amal Basirah Karim, Hazwani Suhaimi, Nur Amal Fadhilah Narawi, Roslyna Rosli and Pg Emeroylariffion Abas
14:45	144	<b>Improving Industrial Solid Waste Resource Efficiency Through Digital Economic Development: Evidence from Prefecture-Level Cities in China</b> Haodi Dong and Kamrul Alam Raju Mohammad
15:00	<b>Coffee Break</b>	
<b>Day 2 - AFTERNOON PARALLEL SESSION (3b)- CLASSROOM 7 (SASM Building)</b> CHAIR 1: Prof Yusuf and SESSION CHAIR 2: Dr Si		
<b>Time</b>	<b>Paper ID</b>	<b>Paper Title &amp; Authors</b>



يؤاتي بي. ايس. تي. ايم. كونيفات ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



15:30	142	<b>Advanced Machine Learning Framework for Accurate and Interpretable CO<sub>2</sub> Capture Predictions in Porous Carbon Materials</b> Dimple Bonugu, Rama Rao Karri, Achintya Reddy Kunal, Harshith Bangaru, Mullai Venthan Selvam and Surekha Paneerselvam
15:45	143	<b>Electrooxidation Degradation of Tetracycline Using Mof-Based Electrodes for Water Treatment</b> Adam Momin, Asmaal Sultan, Noor Hadijah Hadi, Nabilah Ruslan, Rama Rao Karri, Koduru Reddy, Lakshmi Lingamdinne and Rakesh Kulkarni
16:00	73	<b>Photoelectrocatalytic CO<sub>2</sub> Reduction Over PANI Modified G-C<sub>3</sub>N<sub>4</sub></b> Yi Xuan Liyau, Theodora Steffie Johnny, Md. Noor Bin Arifin, Khairunnisa Nabilah, D. M. Reddy Prasad and Md Maksudur Rahman Khan
16:15	90	<b>Preliminary Study of Metal Contaminants in Brunei Wasan Paddy Waters</b> Amillen Fizry Senaut, Nabisab Mujawar Mubarak, Khairunnisa Nabilah Ruslan, D.M. Reddy Prasad and Mohd Faizan Ibrahim
16:30	149	<b>Electrochemical Investigation on Ni-Cu-P Coated Anodes for Alkaline Aluminium Air Batteries</b> Suresh T, Samuel Ratna Kumar P S, Selvambikai M, Mashinini P M, Moussaoui K, Zitoune R
16:45	104	<b>Non-Azide Gas Generant for Automotive Airbags: Thermal and Kinetic Analysis of Guanidine Nitrate/Strontium Nitrate Mixture</b> Aravind S L, Reddy Prasad D M, Suganthi S T and Md Maksudur Rahman Khan
17:00	<b>End of Day 2</b>	
19:00	<b>UTB-STE Connect 2025 Dinner</b>	

**10<sup>th</sup> Brunei International Conference on Engineering and Technology 2025**  
**Universiti Teknologi Brunei**  
**Day 3 - 22<sup>nd</sup> October 2025**  
**Programme Chemical and Energy Engineering Programme Track**

<b>MORNING PARALLEL SESSION (4)- CLASSROOM 7 (SASM Building)</b>		
<b>CHAIR 1: Dr. Tan and CHAIR 2: Dr. Rao</b>		
Time	Paper ID	Paper Title & Authors
8:15	18	<b>Sustainable Production of ε-Caprolactam from Phenol: Process Design and Economic Feasibility</b> Nur Mu'izzah, Abdul Hakeem, Mohammad Haziq, Muhammad Saiful Rahman, Maziyar Sabet, Wendy Pei Qin Ng and Si Kae Jye



يؤاتي جي. ايس. تي. ايم. كونيفت ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



8:30	9	<p><b>Design and Optimization of a Stirred Tank Bioreactor and a Decanter Centrifuge for Bioethanol Production from Biomass</b></p> <p>Suhailah Haji Metassim, Rama Rao Karri, Osman Laabillah Abu Bakar, Muhammad Aminuddeen Syafi Jonhimran and Khairunnisa Nabilah Ruslan</p>
8:45	5	<p><b>Design and Optimization of Distillation Column and Stripping Column for Production of Bioethanol by the Fermentation of Biomass.</b></p> <p>Muhammad Aminuddeen Syafi Jonhimran, Suhailah Hj Metassim, Osman Laabillah Abu Bakar, Khairunnisa Nabilah Ruslan, Rama Rao Karri</p>
9:00	19	<p><b>Effect mixed yeast/anaerobic sludge inoculum on bioelectricity generation in microbial fuel cell</b></p> <p>Ashmalina Rahman, Yi X. Liyau, Mohammad Hazwan Azri, D.M.R. Prasad, Shahriar Shams and Md Maksudur Rahman Khan</p>
9:15	79	<p><b>DEMARS: A Python-Based Discrete Element Method Framework for Granular Material Simulation</b></p> <p>Asytrialisah Roslan, Bashir Busahmin and Reddy Prasad D. M</p>
10:00	<b>Coffee Break</b>	
<b>MORNING PARALLEL SESSION (5) -ONLINE</b>		
<b>SESSION CHAIR 1: Prasad and CHAIR 2: Dr. Ummul</b>		
<b>Time</b>	<b>Paper ID</b>	<b>Paper Title &amp; Authors</b>
10:00	37	<p><b>Technoeconomic Evaluation of Lactic Acid Production Using Glycerol and CO<sub>2</sub> in Brunei Darussalam</b></p> <p>Almas Hazis, Balqis Zaffri, Wa'ie Sabri, Md Maksudur Rahman Khan, D. M. Reddy Prasad and Hazwan Azri</p>
10:15	78	<p><b>Effect of Brunei Lake Sediment on Power Generation and Cod Removal in Sediment Microbial Fuel Cell</b></p> <p>Farahiyah Rahman, Ashmalina Rahman, Shahriar Shams and Md. Maksudur Rahman Khan</p>
10:30	88	<p><b>Nutrient Influence and Extraction Optimization in Microalgae for Enhanced Biofuel and Biomaterial Production</b></p> <p>Md.Ibrahim Ahmed Chowdhury, Subash Chandra Deb, Md. Ali Azgor, Mohammad Shaiful Alam Amin, Md Salatul Islam Mozumder and Md. Maksudur Rahman Khan</p>
12:00	<b>Lunch Break</b>	
14:00	<p><b>BICET 2025 Closing Ceremony</b>  <b>Conference Room, Level 2, SASM Building</b>            Professor Ir Dr Mohammad Yeakub Ali            Co-Chairperson BICET 2025</p>	



يؤا. تي. بي. ايس. تي. ايم. كونيكٲٲ٠٢٥

**UTB-STE CONNECT 2025**

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



**ACIIS**

Applied Computational Intelligence  
in Information Systems



يؤاتي بي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



**The 7<sup>th</sup> International Conference on Applied Computational Intelligence in Information Systems**  
**Universiti Teknologi Brunei**  
**Day 1 - 20<sup>th</sup> October 2025**

<b>8.30</b>	<b>Opening Ceremony UTB-STE Connect 2025</b> <b>Venue: ICC</b>	
<b>13.00</b>	<b>Conference Registration</b>	
<b>Venue: SASM, L1, Classroom 6</b>		
<b>13:20</b>	<b>Welcoming Remarks by Dean, School of Computing and Informatics</b>	
<b>13:30 - 14:15</b>	<b>Keynote #1 : Professor Steven Wong</b>	
<b>14:15 - 15:00</b>	<b>Keynote #2 : Professor Toru Ishida</b>	
<b>15:00 - 15:30</b>	<b>Coffee Break</b>	
<b>15:30 - 16:00</b>	<b>AI and Responsible Innovation</b> <b>META Invited Speaker</b> <b>Venue: SASM, L1, Classroom 6</b>	
<b>Time</b>	<b>Session 1</b> <b>SASM, L1, Classroom 6</b>	<b>Session 2</b> <b>SASM, L1, Classroom 7</b>
<b>16:00 - 16:20</b>	<b>A Hybrid KELM-LSTM Framework for Solar Power Generation Forecasting</b> Presenter: Shereen Siddhara Abdul Salam	<b>CerebrAI: Smartphone-Based Facial Recognition for Classroom Attendance</b> Presenter: Khairil Haziq Haji Khairul Rijal
<b>16:20 - 16:40</b>	<b>Mining Tourist Sentiment at Scale for Personalized Marketing in Brunei</b> Presenter: Dr. Arif Bramantoro	<b>Relatively Robust QoS and QoE Score Aggregation</b> Presenter: Thomas A Weber
<b>16:40 - 17:00</b>	<b>Automating Brunei's Labour-Census Cleaning with Excel Power Query and VBA</b> Presenter: Lee Zi Hao	<b>Real-Time Human Detection on an Amlogic S905X Android Set-Top Box Using TensorFlow Lite</b> Presenter: Zuhairaja Musheera Tunggorono
<b>17.00</b>	<b>END OF DAY 1</b>	



يؤاتي بي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



**The 7<sup>th</sup> International Conference on Applied Computational Intelligence in Information Systems**  
**Universiti Teknologi Brunei**  
**Day 2 - 21<sup>st</sup> October 2025**

Venue: SASM, Level 1, Lecture Theatre	
8:30 - 9:00	<b>Workshop Registration</b> <b>Workshop: META</b>
9:00 - 10:00	<b>Maximizing digital engagement for public education and outreach</b> META
10:00 - 10:30	<b>Break</b>
10:30- 12:00	<b>Maximizing digital engagement for public education and outreach</b> META Panel Discussion There will be tentatively 4 panelists (AITI, MOE, UTB, META) Moderator: SA
12:00 - 13:30	<b>Lunch</b> <b>Workshop Registration</b>
Venue: SASM, Level 1, Classroom 8	
13:30 - 15:00	<b>Ideation Workshop</b> <b>Workshop #2: Prof Toru Ishida</b>
15:00 - 15:20	<b>Coffee Break</b>
15:20 - 17:00	[continuation] <b>Ideation Workshop</b> <b>Workshop #2: Prof Toru Ishida</b>
19:00	<b>UTB-STE Connect 2025 Dinner</b>
<b>END OF DAY 2</b>	



**The 7<sup>th</sup> International Conference on Applied Computational Intelligence in Information Systems**  
**Universiti Teknologi Brunei**  
**Day 3 - 22<sup>nd</sup> October 2025**

<b>8:00 - 8:15</b>	<b>Conference Registration</b>	
<b>Venue: SASM, L1, Classroom 6</b>		
<b>8:30 - 9.00am</b>	Speaker #4: <b>Prof Sang Nam</b> Invited Speaker	
<b>Time</b>	<b>Session 1</b> <b>SASM, L1, Classroom 6</b>	<b>Session 2</b> <b>SASM, L1, Classroom 7</b>
<b>8:40 - 9:00</b>	<b>Addressing Security Issues in Cloud Computing: A Case Study on Docker as an Open-Source Application Platform</b> Presenter: Nurul Aqilah Serbini	<b>Multi-Year Exploratory Data Analysis of Master Students Academic Performance</b> Presenter: Khoshiibah Kifli
<b>9:00 - 9:20</b>	<b>A Study of Implementing BGPsec with SCION</b> Presenter: Serina Hj binte Mohd Ali	<b>Machine Learning Approaches for Predicting Master Students Academic Performance: A Systematic Literature Review</b> Presenter: Khoshiibah Kifli
<b>9:20 - 9:40</b>	<b>SCANZIT a Remote Website Inspection Tool to Detect Personal Data Protection Issues</b> Presenter: Dk Siti Khairunnisa Pg Hj Aliuddin	<b>Optimizing Pour over Coffee Extraction with Deep Reinforcement Learning: A Proximal Policy Optimization Approach with Curriculum Learning</b> Presenter: Zhahirah Jeffery
<b>9:40 - 10:00</b>	<b>Simulating Shor's Algorithm for RSA Vulnerability Assessment: A Proof of Concept for Quantum-Resistant Security</b> Presenter: Aanisha Selavisi	<b>Class-Specific Cross Attention for Fine Grained Paddy Disease Classification</b> Presenter: Wallace F. L. Chin
<b>10:00 - 10:30</b>	<b>Break</b>	
<b>Time</b>	<b>Session 1</b> <b>SASM, L1, Classroom 6</b>	<b>Session 2</b> <b>SASM, L1, Classroom 7</b>
<b>10:30 - 10:50</b>	<b>Developing a Scalable Phishing Detection Framework Using URL and Content Features</b>	<b>Paddy AI Chatbot</b> Presenter: Saiful Aizam Tahir



	Presenter: Ak Muhd Amirul Hamdi Bin Pg Ayup	
<b>10:50 - 11:10</b>	<b>A Comparison of Deep Learning Algorithms for APT Malware Detection [ONLINE]</b> Presenter: Alifya Kayla Shafa Susanto	<b>PUENYAI Bot: A Retrieval-Augmented LLM Chatbot for University Information Services</b> Presenter: Ahmad Amani Rasyidi Bin Ramli
<b>11:10 - 11:30</b>	<b>Performance Comparison Analysis of Conventional and Advanced Machine Learning Algorithms for APT Malware Detection [ONLINE]</b> Presenter: Alifya Kayla Shafa Susanto	<b>Adopting ChatGPT in Higher Education: UTAUT2 Findings and Student Sentiment from Brunei</b> Presenter: Nurina Aziemah Binti Azlan
<b>11:30 - 11:50</b>	<b>The Role of Quantum Computing in Transforming Healthcare: A Systematic Literature Review of Quantum Machine Learning Applications in Oncology [ONLINE]</b> Presenter: Adrian Hananto	<b>CNN-Based Ransomware Detection in the RANSAP Dataset Using Storage Access Patterns</b> Presenter: Dr. Arif Bramantoro
<b>12:00 - 13:30</b>	<b>Lunch</b>	
<b>Time</b>	<b>Session 1 SASM, L1, Classroom 6</b>	<b>Session 2 SASM, L1, Classroom 7</b>
<b>13:30 - 13:50</b>	<b>Adoption of Technology and Digital Tools Amongst Student in Brunei Darussalam</b> Presenter: Hazimah Marali	<b>Evaluation of Different Machine Learning Algorithms for Predicting Performance of Students of Lower Secondary for Mathematics in Brunei Darussalam</b> Presenter: Rahul Breh
<b>13:50 - 14:10</b>	<b>Comparing Text, Animated, and Static Visual Representation of AI Chatbot Agents: Effects on Usability, Motivation, and Knowledge Gain</b> Presenter: Pg Dr Hj Azhan	<b>Visual Accessibility in Gaming: Measuring Satisfaction for Players with Color Vision Impairments</b> Presenter: Dhameerah Anuar



يؤاتي جي. ايس. تي. ايم. كونيفت ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



<b>14:10 - 14:30</b>	<b>My Mysterious Dream Girl: Exploring Motion Comics</b> Presenter: Nadiah Shamsuddin	<b>Analysis of Mobile Games: Evaluating Game Addiction Through Reviews and Surveys</b> Presenter: Nurwathiqah Ali
<b>14:30 - 14:50</b>	<b>A GIS-Driven Digital Twin Approach to Enhance Urban Planning Regulation Compliance</b> Presenter: Muhammad Fattahulazizan Jaman	<b>Evaluating the Effectiveness of Augmented Reality in Learning Photosynthesis for K12 Education</b> Presenter: Farah Matnoor
<b>14:50 - 15:10</b>	<b>Making a Champion! Analysing Story-Driven Sports Games to Devise a Design Methodology for Exergames with Stories</b> Presenter: Pg Dr Hj Azhan	
<b>15:10</b>	<b>Closing - Chair</b>	
<b>END OF DAY 3</b>		



يؤا. تي. بي. اليبس. تي. ا. كونيكاٲ٢٥

**UTB-STE CONNECT 2025**

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



# ICBMiS<sup>2025</sup>

INTERNATIONAL CONFERENCE  
ON BUSINESS, MANAGEMENT AND INFORMATION SYSTEMS



يَوْمًا تَجِي. بِنِي. اَلْبَيْس. تَجِي. اِيْمًا. كَوْنِيكَات ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



**The 3<sup>rd</sup> International Conference on Business, Management and Information Systems  
(ICBMIS 2025)  
Universiti Teknologi Brunei  
Day 1 - 20<sup>th</sup> October 2025**

AFTERNOON SESSION		
Lecture Theatre 1, Library Complex, UTB		
1:00pm	Conference Registration	
2.00 - 3.20 pm	<b>Keynote Speech 1</b> <b>"Futuring-Proof Business Through Innovation"</b> By Associate Professor Dr. Nomahaza Mahadi	
PARALLEL SESSION		
Track I: Management, AI & Information System		
Session 1A - Organizational & Educational Adaptation in the Digital Era		
Track Chair I: Associate Professor Dr. Mohamed Saleem Haja Nazmudeen		
Track Chair II: Hajah Siti Eddyilahwati binti Haji Suhaili		
Classroom 2, 1 <sup>st</sup> Floor, SASM Building		
Time	Paper ID	Paper Title & Authors
3:30 - 4:00 PM	2	<b>Navigating the Roles of Human Resource Development Constructs and Employee Performance on the Organizational Effectiveness of Batangas Eastern Colleges</b> Jestoni Mancilla & Joseph Angelou Ng (Philippines)
4.00 - 4.30 PM	32	<b>Brand Equity in Higher Education: A Scoping Review and Future Research Agenda</b> Hajah Dayang Siti Asmahlati Bolkini Haji Ahmad, Amin Muslim & Fauziah Sheikh Ahmad (Brunei Darussalam / Malaysia)
PARALLEL SESSION		
Track II: AI Application, Analytics and Ethics		
Session 1B - AI Applications in Education, Health and Ethics		
Track Chair I: Dr. Heru Susanto		
Track Chair II: Pengiran Ida Nurul-Fitri binti Pengiran Haji Kahar		
Classroom 3, 1 <sup>st</sup> Floor, SASM Building		
3:30 - 4:00 PM	34	<b>Relationship Between Neck Pain and Smartphone Addiction Among Healthcare University Students</b> Ganesh S. Paneerselvam et al. (Malaysia / India)
4:00 - 4:30 PM	26	<b>Comparative Analysis on Instagram Engagement of OTTs: Netflix, Disney Plus, Progresif Media and RTBGo</b> Hajah Nur Faralisa Nabilah Haji Zulfikri & Heru Susanto (Brunei Darussalam / Indonesia)
4:30 - 5:00 PM	8	<b>Enhancing Cross-Industry Project Management Through an Adaptive, AI-Driven Software Platform</b> Izz Luqman & Heru Susanto (Brunei Darussalam / Indonesia)
END OF DAY 1		



يؤاتي. بي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



**The 3<sup>rd</sup> International Conference on Business, Management and Information Systems  
(ICBMIS 2025)  
Universiti Teknologi Brunei  
Day 2 - 21<sup>st</sup> October 2025**

Lecture Theatre 1, Library Complex, UTB		
<b>8.00 - 10.00AM</b>	<b>Keynote Speech II</b> <b>"Transforming Universities into Innovation-Led Entrepreneurial Hubs: The Role of University-Driven Innovation Ecosystems in Fostering Sustainable Development and Economic Diversification"</b> By Dr. Abdullah Ismail	
<b>PARALLEL SESSION</b> <b>Track II: Entrepreneurship</b> <b>Session 2A - Digital Entrepreneurship, Knowledge &amp; SME Development</b> Track Chair I: Dr. Ulaganathan Subramanian Track Chair II: Liana Artini binti Haji Mohd Noor Classroom 2, 1 <sup>st</sup> Floor, SASM Building		
Time	Paper ID	Paper Title & Authors
10:30 - 11.00 AM	30	<b>The Growth Factors of Small Firms: An Empirical Study of Digital-Based Startups in Brunei Darussalam</b> Kamariah Ismail, Sharina Yunus, Chin Han Wuen & Shaista Wasiuzzaman (Brunei Darussalam / Malaysia)
11.00 - 11.30 AM	33	<b>Exploring the Role of Knowledge Management for SME Internationalisation</b> Fahmi Ibrahim & Syahnur Farhana Shahlehi (Brunei Darussalam)
<b>PARALLEL SESSION</b> <b>Track III: Economics</b> <b>Session 3A - Applied &amp; Quantitative Economics</b> Track Chair I: Dr. Safi Ullah Khan Track Chair II: Radin Jefri bin Radin Mas Basiuni Classroom 3, 1 <sup>st</sup> Floor, SASM Building		
Time	Paper ID	Paper Title & Authors
10:30 - 11.00 AM	16	<b>Assessing R-Framework Strategies for Circular Economy Transition in Brunei Darussalam</b> Izzah Mohd Noor, Heru Susanto & Shahid Anjum (Brunei Darussalam / Indonesia)
11.00 - 11.30 AM	22 (Online)	<b>Unveiling the Private Labels Transition in India's FMCG Market: A Multi-Stage Analysis with Switch Regression</b> Baba Gnanakumar et al. (India)
12.00	<b>Lunch Break</b>	



<b>LINEAR SESSION</b> <b>Track IV: Accounting &amp; Finance</b> <b>Session 4A - Financial Literacy &amp; Digital Consumer Experience</b> Track Chair I: Dr. Shaista Wasiuzzaman Track Chair II: Dr. Hajah Farahiyah binti Haji Kawi Classroom 3, 1 <sup>st</sup> Floor, SASM Building		
Time	Paper ID	Paper Title & Authors
1.30 - 2.00 PM	5	<b>Effect of Mobile Payments on Overspending &amp; Financial Management: Moderating Role of Financial Literacy</b> Safiullah Khan & Abdul Hadi (Brunei Darussalam)
2.00 - 2.30 PM	29	<b>Tax Avoidance and Tax Non-Compliance: A Review of Concepts and Measurements</b> Eko Wisnu Warsitosunu, Norhayati Mohamed & Imbarine Bujang (Malaysia / Indonesia)
<b>LINEAR SESSION</b> <b>Track IV: Accounting &amp; Finance</b> <b>Session 4B - ESG &amp; Market Dynamics</b> Track Chair I: Dr. Shaista Wasiuzzaman Track Chair II: Dr. Hajah Farahiyah binti Haji Kawi Classroom 3, 1 <sup>st</sup> Floor, SASM Building		
3.20 - 3.50 PM	23 (Online)	<b>Beyond the Bottom Line: The ESG-Financial Nexus Imperative in Indian Logistics</b> Baba Gnanakumar et al. (India)
3.50 - 4.20 PM	24 (Online)	<b>Correlation and Causality Sentiments: Untangling the Gold and Gold ETF Relationship in the Indian Context</b> Baba Gnanakumar et al. (India)
5.00 pm	End of Day 2	

**The 3<sup>rd</sup> International Conference on Business, Management and Information Systems (ICBMIS 2025)**  
**Universiti Teknologi Brunei**  
**20-22 October 2025**  
**Day 3 - 22<sup>nd</sup> October 2025**

<b>Lecture Theatre 1, Library Complex</b>	
08:00 - 10.00 AM	<b>KEYNOTE SPEECH III</b> <b>"Sustainable Digital Ecosystem for ASEAN"</b> <b>(Hybrid/ Online Presentation)</b> By Professor Dr. Kaliyan Mathiyazhagan



<b>LINEAR SESSION</b>		
<b>Track IV: Accounting &amp; Finance</b>		
<b>Session 4C - Financial Inclusion &amp; SME Behaviour</b>		
Track Chair I: Dr. Junaid M. Shaikh		
Track Chair II: Pengiran Abdul Mutallib bin Pengiran Haji Kamaluddin		
Classroom 2, 1 <sup>st</sup> Floor, SASM Building,		
Time	Paper ID	Paper Title & Authors
10.30 - 11.00 AM	14	<b>Impact of Microfinance Institutions on the Growth and Performance of Micro and Small Enterprises (MSEs) in Brunei Darussalam</b> Safiullah Khan & Mohammad Khiruddin (Brunei Darussalam)
11:00 - 11:30 AM	15	<b>Electronic Payment Adoption: Investigating SMEs' Intention and Barriers to Transition and Adoption</b> Safiullah Khan & Nur Syazana Azahan (Brunei Darussalam)
11.30 - 12.00 PM	20	<b>Mobile Payment Methods and Overspending Behaviour: The Moderating Role of Impulsivity and Financial Autonomy</b> Mohammad Amirudin & Safiullah Khan (Brunei Darussalam)
12:00 PM	<b>Lunch Break</b>	
<b>AFTERNOON SESSION</b>		
Classroom 8, 1 <sup>st</sup> Floor, SASM Building, UTB		
1.30 - 3.00 PM	<b>WORKSHOP</b> <i>"Research Methodologies in the Digital Age"</i> By <b>Associate Professor Dr. Nomahaza Mahadi</b>	
3.30 - 4.30 PM	<b>CLOSING CEREMONY OF ICBMIS 2025</b> ICBMIS 2025 Closing Ceremony Certificate Distribution 3 Best Presentation from Each Track	
4:30 PM	<b>End of Day 3</b>	



يُونَا تِي . بِي . اِيَسْ . تِي . اِيْمَا . كُونِيكْت ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam





يؤاتي بي. ايس. تي. ايم. كونيك٢٥٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



## The 2<sup>nd</sup> International Conference on Agrotechnology, Beverage and Food (ICABF 2025)

Universiti Teknologi Brunei

Day 1 - 20<sup>th</sup> October 2025

8.30	<b>Opening Ceremony UTB-STE Connect 2025</b> Venue: ICC	
<b>Lecture Hall SASM, 1st floor</b>		
13:00	<b>Conference Registration</b>	
14:15	<b>ICABF Inauguration</b> Recitation of Surah Al-Fatihah Welcoming Remarks by Dr. Namasivayam Navaranjan, ICABF Chairperson Multimedia presentation Group Photo Session	
14:30	<b>Keynote 1</b> Professor Dr. Shahrul Razid Sarbini Universiti Putra Malaysia, Sarawak <b>Title: Facing Crisis and Global Challenges of Food Security</b>	
15:00	<b>Coffee Break</b>	
<b>Day 1 - Oral Presentation Session 1</b> <b>Session Chair: Dr. Mas Munira Rambli</b> <b>Theme: Food Safety and Regulations</b>		
<b>Time</b>	<b>Paper ID</b>	<b>Paper Title &amp; Authors</b>
15:30	ICABF_18	<b>Evaluation of Preservative Efficacy Against Microbial Growth in Orange Juice within Established Food Safety Regulations</b> Amirul Ismail and Syazana Abdullah Lim
15:45	ICABF_20	<b>Beyond Compliance: Exploring the Drivers of Food Safety Culture in a Food Service Establishment in Brunei Darussalam</b> Adilah N Asmali and Syazana Abdullah Lim
16:00	ICABF_22	<b>Regulatory Framework for Food Safety: A Systematic Review of Date Marking in the EU, Australia/New Zealand, Japan, Singapore and Brunei Darussalam</b> Nurfirzana Z.H.J Marwan and Syazana Abdullah Lim
16:15	ICABF_23	<b>Shelf-Life and Quality Assessment of Traditional Kuih from Brunei Darussalam</b> Nurin Jafry, Najeebah Az-Zahra Tashim, Rozianah Razalli, Elexson Nillian and Aida Maryam Basri
16:30	ICABF_35	<b>Shelf-life improvement of Okra pods: Practical and low-cost approach for small-scale farmers</b> Laly Anto and Syazana Abdullah Lim
16:45	ICABF_16	<b>Exploring the Science of Food Sensory Perception and Flavor Chemistry</b> Ahmad Wa'ie Saidin, Siti Madihah Haji Mohd Don, Shyang Pei Hong, Eng Tong Phuah and Zhen Zhang
17:00	<b>End of Day 1</b>	
17.15	<b>Tour Session</b>	



يؤاتي. بي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



## The 2<sup>nd</sup> International Conference on Agrotechnology, Beverage and Food (ICABF 2025)

Universiti Teknologi Brunei

Day 2 - 21<sup>st</sup> October 2025

Lecture Room 5, 1 <sup>st</sup> Floor, SASM		
8:00	<b>Conference Registration</b>	
8:30	<b>Keynote 2</b> Professor Yong Wang Department of Food Science and Engineering, Jinan University, P. R. China <b>Title: Enzymatic Production of Structured Lipids and Their Application in Healthy Food Development</b>	
15:00	<b>Coffee Break</b>	
<b>Day 2 - Oral Presentation Session 2</b> <b>Session Chair: Dr. Hong Shyang Pei</b> <b>Theme: Food Technology</b>		
Time	Paper ID	Paper Title & Authors
09:00	ICABF_28	<b>Method Development of Nitrite/Nitrate Analysis Using High-Performance Liquid Chromatography on Meat Products</b> Umami Fasihah Haji Talipudin, Norkhuzaifah Kassim and Aida Maryam Haji Basri
09:15	ICABF_29	<b>Verification &amp; Validation of a UHPLC-PDA Method for Caffeine Analysis in Food Samples</b> Mohsin Manan, Aida Maryam Basri and Noorhasifah Tengah
09:30	ICABF_37	<b>Comparison of Extraction Methods for Pectin Recovery from Red Dragon Fruit (<i>Hylocereus polyrhizus</i>) and Its Characterisation</b> Nurin Hidayah Julshahril, Eng Tong Phuah and Mas Munira Rambli
09:45	ICABF_38	<b>Tailoring Poly(glycerol sebacate) for Food Packaging: Properties, Safety and Application Potential</b> Afiqah Nabihah Ahmad, Khairunnisa Nabilah Ruslan and Namasivayam Navaranjan
10:00	<b>Coffee Break</b>	
10:30	<b>Workshop / Tutorial</b>	
<b>Day 2 - Oral Presentation Session 3</b> <b>Session Chair: Dr. Mas Munira Rambli</b> <b>Theme: Human Nutrition and Sustainable Food System</b>		
Time	Paper ID	Paper Title & Authors
10:30	ICABF_09	<b>Dietary Patterns and Sarcopenia: A Systematic Review</b> Natalia Hariyanti, Ahmad Syauqy and Etika Ratna Noer
10:45	ICABF_14	<b>Exploring Food Supplement Consumption Habits and Beliefs Among Adults in Brunei: A Cross-Sectional Study</b> Nurul Izzah Tarmidi, Eng Tong Phuah and Shyang Pei Hong
11:00	ICABF_15	<b>Association of Dietary Intake and Lifestyle with Body Mass Index and Body Fat Percentage Among UTB Students</b>



يؤاتي بي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



		Nurul Haziqah Ikramina Awg Hj Matyassin, Eng Tong Phuah and Shyang Pei Hong
11:15	ICABF_30	<b>Development of Preserved Cempedak and Durian Putih Pastes for Ice-Cream Production</b> Nurizzatul Baizidah Baharin, Azeerah Norhamdani, M. Atiq Juani, Amirah Ehsani Manan and Aida Maryam Basri
11:30	ICABF_31	<b>Empowering Grassroots Food Entrepreneurs: A Qualitative Analysis of The BKM Community Entrepreneurship Workshop and Its Contribution to Sustainable Development Goals</b> Janice Ee Fang Tay, Pau Voon Soon, Mohd Sharique Katchhi, Lai Ti Gew and Long Chiau Ming
12:00	<b>Lunch Break</b>	
<b>Day 2 - Oral Presentation Session 4 &amp; 5</b> <b>Session Chair: Dr. Aida Maryam Basri</b> <b>Theme: Functional Food Ingredients and Analysis</b>		
<b>Time</b>	<b>Paper ID</b>	<b>Paper Title &amp; Authors</b>
14:00	ICABF_01	<b>Functional and Quality Attributes of Yogurt Enriched with Cape Gooseberry (<i>Physalis peruviana</i> L.) Fruit Jam</b> Fitriyono Ayustaningwarno, Della Alvira Purnamaputri, Zerlina Cleantha Perlita, Dea Ridha Safitri, Ayu Rahadiyanti, Diana Nur Afifah, Rachma Purwanti, Dewi Marfu'Ah Kurniawati and Ninik Rustanti
14:15	ICABF_05	<b>A Comparative Study on the Physicochemical, Antioxidant and Sensory Properties of Jasmine, Longjing, and Agarwood Tea Kombucha Infused with Pineapple and Spearmint</b> Qin Hwa Har, Phek Jin Kwong, Ali Yassoralipour, Eng Tong Phuah and Shyang Pei Hong
14:30	ICABF_12	<b>Bioactive Properties of Australian Native Fruit Extracts</b> Wafiqah Daim, Maral Seididamyeh, Run Zhang, Dharini Sivakumar and Yasmina Sultanbawa
14:45	ICABF_21	<b>Development of Nutritional Mung Bean Sprout Fortified Crackers</b> Asmah Abdul Hamid and Aida Maryam Basri
15:00	<b>Coffee Break</b>	
15:30	ICABF_32	<b>Nutritional, Functional and Antioxidant Properties of Zingiber <i>Officinale</i> Herbal Pasta</b> Wafiqah Daim, Sa'aimah Abd Manaf and Aida Maryam Basri
15:45	ICABF_34	<b>Compositional and Functional Characterization of Legume Milks for Sustainable Tofu Production</b> Zumirra Affno, Eng-Tong Phuah, Nurin Hidayah Julshahril and Mas Munira Rambli
16:00	ICABF_36	<b>Proximate Composition and Antioxidant Potential of Locally Harvested Red Dragon Fruit (<i>Hylocereus Polyrhizus</i>) Peels</b> Nurin Hidayah Julshahril, Eng Tong Phuah and Mas Munira Rambli
16:30	<b>End of Day 2</b>	
19:00	<b>UTB-STE Connect 2025 Dinner</b>	



يؤاتي. بي. اليس. تي. ايم. كونيك٢٥٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



## The 2<sup>nd</sup> International Conference on Agrotechnology, Beverage and Food (ICABF 2025)

Universiti Teknologi Brunei

Day 3 - 22<sup>nd</sup> October 2025

Lecture Hall SASM, 1st floor		
08:00	<b>Conference Registration</b>	
08:30	<b>Plenary Session</b> <b>Scientific Advancements Enhance the Competitiveness of Local Citrus Industries: A Study on the Flavor Characteristics and Biofunctional Properties of Okinawan Shiikuwasha (Hirami lemon)</b> Dr. Yonathan Asikin Faculty of Agriculture, University of the Ryukyus, Okinawa, Japan Plenary Chair: Dr. Hong Shyang Pei	
<b>Day 3 - Oral Presentation Session 6</b> <b>Session Chair: Dr. Hong Shyang Pei</b> <b>Theme: Flavour and Sensory Science</b>		
Time	Paper ID	Paper Title & Authors
09:00	ICABF_10	<b>Advances in Flavour Delivery Science and Future Innovations in Food Technology</b> Nur Ratna Sari Sima, Shyang Pei Hong and Li Ying
09:15	ICABF_19	<b>Formulation and Characterisation of an Edible Spoon for Frozen Desserts</b> Nurrihfan Hanisah Haji Abdul Latip and Syazana Abdullah Lim
09:30	ICABF_26	<b>Biosynthetic Pathways in Flavour Generation</b> Siti Raudhah Adam, Dk Nurul Iman Nabilah Pg Sanusi Iskandar, Nurhaziqah Awang Ahmad, Dayang Noor Ani Aderina Khadijah Awang Adanan and Shyang Pei Hong
09:45	ICABF_27	<b>Future Directions in Food Sensory Perception and Flavor Chemistry</b> Nazurah Waridah and Shyang Pei Hong
10:00	<b>Coffee Break</b>	
<b>Day 3 - Oral Presentation Session 7</b> <b>Session Chair: Dr. Afiqah Nabihah Ahmad</b> <b>Theme: Sustainable Agrotechnology and Climate Resilience</b>		
Time	Paper ID	Paper Title & Authors
10:30	ICABF_02	<b>Climate Change Resilience of Paddy Farmers in Brunei Darussalam and Readiness Toward Climate Smart Agriculture Technology Adoption</b> Rosita Hassan and Wida Susanty Haji Suhaili
10:45	ICABF_03	<b>Rice Supply Chain Analysis in Brunei Darussalam and Opportunities from Supply Chain Transformation to Support Smart and Sustainable Farming</b> Rosita Hassan and Wida Susanty Haji Suhaili



يؤاتي بي. ايس. تي. ايم. كونيفت ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



11:00	ICABF_04	<b>Understanding the Challenges Faced by Cherry Tomato Farmers in Brunei</b> Haziqah Nadhirah Diyana and Shyang Pei Hong
11:15	ICABF_06	<b>Aquaponics: Alternative Plant Support System Using Sponges and Net Pots</b> Abdul Mujib Hakim Simran, Pei Hong Shyang and Syazana Abdullah Lim
11:30	ICABF_07	<b>The Effects of Imported <i>B. bassiana</i> on Wild <i>Bactrocera</i> in Brunei Environment</b> Abdul Mujib Hakim Simran, Shyang Pei Hong and Syazana Abdullah Lim
11:45	ICABF_08	<b>Correlation of Layer Feed Nutrients on Egg Quality</b> Amirul Ismail, Nurin Aqilah Ahmad-Athery, Shyang Pei Hong, Phek Jin Kwong and Ali Yassoralipour
12:00	<b>Lunch Break</b>	
<b>Day 3 - Oral Presentation Session 8</b> <b>Session Chair: Dr. Afiqah Nabihah Ahmad</b> <b>Theme: Sustainable Agrotechnology and Climate Resilience</b>		
14:00	ICABF_11	<b>Cyanide Contamination in Agrotechnology: Risks and Sustainable Remediation</b> Nurrifhan Hanisah Haji Abdul Latip and Shyang Pei Hong
14:15	ICABF_13	<b>Sustainable Production of Methylamine for Agrochemical Applications: Environmental and Economic Perspectives</b> Nurul Haziqah Ikramina Awg Hj Matyassin and Shyang Pei Hong
14:30	ICABF_17	<b>The Integration of a Misting System to Combat Heat Stress in a Hydroponic Setup for Vertical Rice Farming</b> Muhamad Amirun Irfan Hasan, Nabilah Atiqah Hj Sufrian, Wida Susanty Haji Suhaili, Heru Susanto, Haji Abdul Matteen Bin Haji Tahir and Dr. Ang Swee Peng
14:45	ICABF_24	<b>Rice Industry Value Chain Review in Brunei Darussalam and its Contribution Toward Self Sufficiency in Rice Production</b> Muhammad Yusuf Hafizan Muhd Ishak, Muhamad Yaasir Matsalleh and Shyang Pei Hong
15:00	<b>Coffee Break</b>	
<b>Day 3 - Oral Presentation Session 9</b> <b>Session Chair: Dr. Hong Shyang Pei</b> <b>Theme: Sustainable Agrotechnology and Climate Resilience</b>		
<b>Time</b>	<b>Paper ID</b>	<b>Paper Title &amp; Authors</b>
15:30	ICABF_25	<b>Exploring Calcium Oxide as an Alternative Disinfectant to Chlorine in Aquaculture</b> Nurul Aqilah Syahirah Abdul Samad, Nurul Nazurah Abdullah, Ramziah Ramlee, Umami Faridah Haji Mohd Ishak and Shyang Pei Hong
15:45	ICABF_33	<b>Improving The Computational Modelling of Forced-Convective Cooling of Muskmelons in The Cold Room</b> Nur Wafidah Roslan, Namasivayam Navaranjan and Zohrah Sulaiman
17:00	<b>Conference Closing Ceremony</b>	
<b>End of Day 3</b>		



يؤا. تي. بي. ايس. تي. ايم. كونيكٲٲ٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



# ICCArT<sub>e</sub> 2025





يؤاتي. بي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



**The 2<sup>nd</sup> International Conference on Creative Arts Design and Technology (ICCArTe 2025) and The 4<sup>th</sup> International Heritage and Cultural Conservation (InHERIT) Conference 2025**  
**Universiti Teknologi Brunei**  
**Day 1 - 20<sup>th</sup> October 2025**

<b>13:00</b>	<b>Conference Registration Lobby, SASM Building</b>
<b>Computer Lab (SASM-1W.46)</b>	
<b>14:00</b>	<p><b>Opening of 2<sup>nd</sup> ICCArTe 2025 and 4<sup>th</sup> InHERIT 2025</b></p> <p><b>Welcoming Remarks by Professor Yulfian Aminanda, ICCArTe &amp; InHERIT Chairperson</b></p> <p><b>Title: Pluriversal Knowledge Praxis: Harnessing Knowledge Systems to Support Cultural Heritage Management</b> <b>Datuk Professor Dr Khairuddin Bin A.B Hamid</b> <b>Moderator: Dr. Ahmad</b></p> <p><b>Title: Reconceptualizing Architectural Heritage Through Urban Morphology: Insights from Thailand</b> <b>Assistant Professor Sarayut Supsook</b> <b>Moderator: Dr. Rozia</b></p> <p><b>Title: Brunei Darussalam Architectural Timeline</b> <b>Guest Speaker - Ar. Pengiran Adnan bin Pengiran Badaruddin</b> <b>Moderator: Dr. Aiman</b></p> <p><b>Presentation of Certificates and Token of Appreciation to Keynote and Guest Speakers</b></p> <p><b>Group Photo Session</b></p>
<b>16:30</b>	<b>Coffee Break</b>
<b>17:00</b>	<b>End of Day 1</b>
<b>19:30</b>	<b>School of Design Appreciation Night 2025</b>



يُؤمّن. بي. بي. ايس. تي. ايم. كونيك٢٥٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



**The 2<sup>nd</sup> International Conference on Creative Arts Design and Technology (ICCArTe 2025) and The 4<sup>th</sup> International Heritage and Cultural Conservation (InHERIT) Conference 2025**  
**Universiti Teknologi Brunei**  
**Day 2 - 21<sup>st</sup> October 2025**

<b>8:00</b>	<b>Conference Registration Lobby, SASM Building</b>	
<b>Day 2 - Parallel Session 1 - Room 2, 2nd Floor, SASM Building</b> <b>Moderator: Dr. Rozia &amp; Dr. Zul</b>		
<b>Time</b>	<b>Paper ID</b>	<b>Paper Title &amp; Authors</b>
<b>08:30</b>	15589	<b>Spatial Flexibility in Housing: Floor Plan Evaluation Methods for Adaptable Building Design</b> Dr Zulkefle bin Ismail
<b>08:50</b>	N/A	<b>Designing for Dignity: Voices of Persons with Disabilities in Brunei's Housing</b> Nur Basyirah Sa'adatul Hanan @ Nur Basyirah binti Haji Noor Hazman
<b>09:10</b>	15693	<b>The Architecture of Sustainability and Adaptability: Rethinking Housing in Brunei Darussalam</b> Dr Rozia Haji Adenan
<b>09:30</b>	15571	<b>Awareness Of Adopting Green Infrastructure in Brunei</b> Md Motiar Rahman
<b>Day 2 - Parallel Session 2 - Room 3, 2nd Floor, SASM Building</b> <b>Moderator: Dr. Ahmad &amp; Dr. Nor Aiman</b>		
<b>08:30</b>	N/A	<b>Implementation of Modular Green Wall System</b> Nur Izzati Hazirah Adriana binti Muhammad Hadi
<b>08:50</b>	15614	<b>Parametric Study of Hybrid Composites for Automotive Bumper</b> Muhammad Na'iim bin Mohd Rafi
<b>09:10</b>	15616	<b>Parametric Study of Foam-filled Trapezoidal Sandwich Beam</b> Liew Se Hau
<b>09:30</b>	N/A	<b>Integrating Photovoltaic Louvres at Kiulap Seri Qlap Mall</b> Fakhruddin bin Awang Matserudin
<b>10:00</b>	<b>Coffee Break</b>	
<b>Day 2 - Parallel Session 3 - Room 2, 2nd Floor, SASM Building</b> <b>Moderator: Dr Rashid &amp; Dr. Zin</b>		
<b>10:30</b>	15647	<b>The Blockshelf</b> Muhammad Kasyfi al Hakeem bin Khairul Hamleey
<b>10:50</b>	15500	<b>The 3D-Printed Orthopedic Brace</b> Abdul Muizz Safiuddin bin Sherin
<b>11:10</b>	15673	<b>3D Printed Desk Organiser</b> Irfan Iman bin Mansor
<b>11:30</b>	15654	<b>Transradial Prosthesis</b> Aiman bin Roslan



يؤاتي جي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



11:50	15808	<b>Inspirasea Playcard</b> Alya Darwisyah binti Haji Hajizul
<b>Day 2 - Parallel Session 4 - Room 3, 2nd Floor, SASM Building</b> <b>Moderator: Dr. Ali &amp; Dr Saemah</b>		
10:30	15644	<b>Serenity Bloom</b> Dk Siti Nurhasyimah binti Pg Norarffin
10:50	N/A	<b>Eco-Column: A Passive Cooling Solution to Indoor Spaces</b> Nur Hafizah Azyan Syahirunnisaa binti Sofian
11:10	N/A	<b>Application of Solar Chimney to Introduce Buoyancy- Driven Ventilation at Seri Qlap Mall Atrium</b> Abdul Mu'id Al-Qawiy bin Suhaili
11:30	15492	<b>The Ayer Muleh Sculpture</b> Nurhamizah binti Mohamad
12:00	<b>Lunch Break</b>	
<b>Day 2 - Parallel Session 5 (ONLINE SESSION) - Room 2, 2nd Floor, SASM Building</b> <b>Moderator: Dr Saemah &amp; Ms Wan Zaiyana</b>		
13:30	15594	<b>Study on the Current Situation of Integrated Digital Delivery Adoption status in the Interior Design Industry</b> Izatul Syima binti Abdul Rahman
13:50	15646	<b>Fuzhou Explorer: Digitalizing the World Fuzhou Heritage Gallery in Sibiu via a Gamified Cultural Learning Medium</b> Khairunnisa Ibrahim
14:10	15650	<b>The Art and Symbolism of the Melanau Cultural Heritage: An Exploration the Types of Melanau Terendak</b> Nurzalikha Sa'adi
14:30	15485	<b>The Courtyard as a Living Archive of Intergenerational Memory and Spatial Identity in Architectural Design</b> Denis Twinomugisha
<b>Day 2 - Parallel Session 6 - Lecture Hall, 1st Floor, SASM Building</b> <b>Moderator: Dr Syahida &amp; Siti Kamilah</b>		
13:30	15659	<b>Ortxelics; An Interactive Device for Student with Disabilities</b> Dk Khairunnisa binti Pg Julaihidden
13:50	15657	<b>AuraSync: A Multifunctional Wellness Device for Enhancing Sleep, Relaxation, and Daily Productivity</b> Siti Mardhiah binti Abdul Rahman
14:10	15764	<b>Corelavate, Elevate Your Workspace for Peak Productivity</b> Syifaa Maahirah binti Abdul Mutalip
14:30	15495	<b>UTBloom - Simpur</b> Siti Nur Aisyah binti Awang Haji Zohari
15:00	<b>Closing of ICCArTe 2025 and InHERIT 2025</b> <b>Venue: Lecture Hall, 1st Floor, SASM Building</b>	
15:30	<b>Afternoon Coffee/Tea Break</b>	
16:00	<b>End of Day 2</b>	



يؤاتي. بي. الينس. تي. ايم. كونيكات ٢٠٢٥

## UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



<b>16:15</b>	<b>Visit to School of Design Studios &amp; Exhibition</b>
<b>19:00</b>	<b>UTB-STE Connect 2025 Dinner</b>

**The 2<sup>nd</sup> International Conference on Creative Arts Design and Technology (ICCArTe 2025) and The 4<sup>th</sup> International Heritage and Cultural Conservation (InHERIT) Conference 2025**

**Universiti Teknologi Brunei  
Day 3 - 22<sup>nd</sup> October 2025**

<b>08:00</b>	<b>Bandar Seri Begawan Tour with USC</b>
<b>09:30</b>	<b>Temburong Tour with ICCArTe (<i>Optional. Subject to Time</i>)</b>
<b>11:00</b>	<b>Lunch Break</b>
<b>14:00</b>	<b>Free Time</b>
<b>16:00</b>	<b>Airport</b>
<b>16:00</b>	<b>End of Day 3</b>



يُؤاتج. بئ. الئس. تئ. إئئ. كؤنئكأ ٢٠٢٥

**UTB-STE CONNECT 2025**

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



## FEATURED EVENT PROGRAMMES



**The 3<sup>rd</sup> UTB University Presidents' Forum (UPF)**  
**Universiti Teknologi Brunei**  
**21<sup>st</sup> October 2025**

<b>Session 1: Innovative Models for Future-Proofing Graduates - Skills for 2030</b>	
<b>9:00 - 10:30am</b>	<p><b>Keynote Speaker 1</b> Datin Paduka Professor Dr. Dayang Hajah Zohrah binti Haji Sulaiman Vice Chancellor, Universiti Teknologi Brunei</p>
<b>9:30 - 10:15am</b>	<p><b>Panel Discussion 1</b></p> <p><b>Panelist 1:</b> Professor Vishna Devi V. Nadrajah CEO and Provost, New Castle University Medicine Malaysia, Malaysia</p> <p><b>Panelist 2:</b> Dr. Chin Wei Keh Deputy Permanent Secretary (Higher Education) Ministry of Education, Brunei Darussalam</p> <p><b>Panelist 3:</b> Professor Vincent Lee Chieng Chen Pro Vice-Chancellor, President, and Chief Executive, Curtin University, Malaysia</p>
<b>10.15 - 10.45am</b>	<b>Morning Break</b>
<b>Session 2: Digital Transformation for Higher Education in Sustainability and Green Campuses</b>	
<b>10:45 am - 11:15am</b>	<p><b>Keynote Speaker 2:</b> Professor Sibrandes Poppema President and Vice-Chancellor, Sunway University, Malaysia</p>
<b>11:15 am - 12:00pm</b>	<p><b>Panel Discussion 2:</b></p> <p><b>Panelist 4:</b> Dr. Hazri bin Haji Kifle Vice Chancellor Universiti Brunei Darussalam, Brunei Darussalam</p> <p><b>Panelist 5:</b> Professor Datuk Dr. Khairuddin bin Ab Hamid</p>



	<p>Vice Chancellor University of Technology Sarawak, Malaysia</p> <p><b>Panelist 6:</b> Professor Liu Qian Vice President Hainan University, China</p>
<b>12:00 - 1:30 pm</b>	<b>Lunch Break</b>
<b>Session 3: Funding, Internationalisation Challenges and Geopolitical Influence</b>	
<b>1:45 pm - 2:15 pm</b>	<p><b>Keynote Speaker 3:</b> Professor Dato' Seri Ir. Dr. Noor Azuan Abu Osman, Vice Chancellor, Universiti Malaya, Malaysia</p>
	<p><b>Panel Discussion 3:</b></p> <p><b>Panelist 7:</b> Dr. Haji Arman bin Haji Asmad Assistant Rector (International, Research and Services), Universiti Islam Sultan Sharif Ali, Brunei Darussalam</p> <p><b>Panelist 8:</b> Professor Dato' Indera Ir. Dr. Lee Sze Wei President Tunku Abdul Rahman University of Management and Technology, Malaysia</p> <p><b>Panelist 9:</b> Dr. Santi Charoenpornpattana Vice President (Planning and Strategy) King Mongkut's University of Technology Thonburi, Thailand</p>
<b>3:00pm - 3:30pm</b>	<b>Afternoon Break</b>
<b>3:30 pm - 5:00 pm</b>	<p>Session 4: Moving Forward - Collaborations that bridge the future</p> <p><b>Roundtable Discussion (All Speakers &amp; By Invitation Only)</b></p>
<b>7:00pm</b>	UTB STE-Connect Dinner



يُؤاتى . بى . الئس . تى . ائى . كؤنىكأت ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



## The 2<sup>nd</sup> UTB Women Leadership Forum (WLF) Universiti Teknologi Brunei 21<sup>st</sup> October 2025

Seminar Room 2 (SASM-2W.43), SASM Building, UTB	
7.45 - 8.00 am	<b>Registration</b>
8.10 - 8.20 am	<b>Recital of Surah al-Fatihah</b> <b>Opening Remarks</b> By Yang Mulia Dr Syazana Abdullah Lim Chairperson of UTB Women Leadership Forum
8.30 - 9.30 am	<b>Keynote Address: AI-Driven Futures: Enabling and empowering women in the digital economic transformation</b> Yang Mulia Mr Chern Y. Loo Co-Founder & Manager of Springhill Farm & ORCA AI Solutions
9.30 - 10.00am	<b>Question and Answer Session</b>
10.00 - 10.30 am	<b>BREAK AND NETWORKING SESSION</b>
10.30 - 10.45 am	<b>Forum Discussion: Unlocking Women's Potential in the Digital Age - The Power of Innovation</b>
11.50 - 12.15 pm	Question and Answer Session
12.15 pm	<b>LUNCH BREAK</b>
1.30 -1.45 pm	<b>Artificial Intelligence for Impact - Tools and Practical Applications for Women Leaders Workshop Session</b> <b>Overview of Workshop</b>
1.45 - 2.45pm	<b>Session 1: AI Fundamentals - From History to Core Concepts</b> <ul style="list-style-type: none"> <li>• Understand AI's evolution and key concepts</li> <li>• Demystify myths and set a common foundation</li> <li>• Connect AI to leadership vocabulary</li> </ul>
2.45 - 3.00 pm	<b>TEA BREAK</b>
3.00 - 4.30pm	<b>Session 2: Global Trends and the AI Landscape</b> <ul style="list-style-type: none"> <li>• Identify recent AI breakthroughs and reliable trend sources</li> <li>• Map implications for leadership in Southeast Asia</li> <li>• Develop critical perspective on news and hype cycles</li> </ul>
<b>END OF SESSION</b>	



يؤاتي بي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



## The 2<sup>nd</sup> UTB Women Leadership Forum (WLF) Universiti Teknologi Brunei 22<sup>nd</sup> October 2025

Seminar Room 3 (SASM-2W.44), SASM Building, UTB	
8.00 - 8.45am	<b>Registration and networking</b>
9.00 - 10.30am	<b>Session 3: Hands-On with AI Tools I- Everyday Applications</b> <ul style="list-style-type: none"> <li>• Explore text, image and data tools</li> <li>• Apply tools to everyday leadership tasks</li> <li>• Build confidence in experimentation</li> </ul>
	<b>Session 4: Hands-On with AI Tools II - Productivity and Leadership Impact</b> <ul style="list-style-type: none"> <li>• Use AI for workflow automation, project management, and scheduling</li> <li>• Discuss productivity vs. ethical concerns</li> <li>• Simulate leadership efficiency with AI</li> </ul>
10.30 - 10.45 am	<b>TEA BREAK</b>
10.45- 12.15 pm	<b>Session 5: AI for Organizational Transformation</b> Objectives: Understand AI adoption frameworks Explore case studies of organizational innovation Build leadership readiness for change
12.15 pm	<b>LUNCH BREAK</b>
1.45 - 3.00 pm	<b>Session 6: Closing Session - Reflections, Roadmpas and Commitments</b> Objectives: Consolidate workshop learning Translate knowledge into personal action plans Build peer leadership network
3.00 - 4.30pm	<b>Coffee Break</b> <b>Closing Remarks</b>
<b>END OF SESSION</b>	



يؤاتي بي. ايس. تي. ايم. كونيك٢٥ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



## 1<sup>st</sup> Global Conference on Industrial, Materials and Manufacturing (GCIMM)

Day 1: 20<sup>th</sup> October 2025

9.00 am	<b>Opening Ceremony</b> Main Conference Hall, International Convention Centre (ICC)
<b>SESSION M1</b>	
Main Conference Hall, International Convention Centre (ICC)	
11.00 am- 11.15am	<b>Utilizing Conditional Bootstrapping and Data Balancing with LSTM for Car Sales Forecasting through Sentimental Review Data</b> Ilham Akbar, Chao Ou-Yang, Prof Hasrini Sari (Institut Teknologi Bandung, Indonesia)
11.15 am - 11.30 am	<b>Development of New Product Operational Feasibility Framework for Mixed Model Assembly Line In Automotive</b> Mohammad Afzal Alrabah Ayoub (Universiti Teknologi Malaysia, Malaysia), Dr Muhd Ikmal Isyraf Mohd Maulana
11.30 - 11.45 am	<b>A Decision Model for Production Logistics to Minimize Production Delay in XYZ Company</b> Raka Aji Wibowo, Dr Muhammad Nashir Ardiansyah (Telkom University, Indonesia), Nova Indah Saragih
11.45 - 12.00 pm	<b>Forecasting Electric Vehicle Adoption in Malaysia through Behavioural Analysis and Hybrid Predictive Modelling</b> Raka Aji Wibowo, Dr Muhammad Nashir Ardiansyah (Telkom University, Indonesia), Nova Indah Saragih
<b>LUNCH BREAK</b>	
<b>SESSION M2</b>	
Main Conference Hall, International Convention Centre (ICC)	
1.30 - 2.00 pm	<b>Keynote Speech</b> <b>Bridging Academic Research and Commercial Applications: Cases of Urban Mining and Natural Purification</b> Prof Yeoung-Sang Yun (Jeonbuk National University, Korea)
2.00 - 2.15pm	<b>Quantitative measurement of food softening effect for prediction of spalling destruction characteristics by shock waves in food processing</b> Prof Ken Shimojima (National Institute of Technology, Okinawa College, Japan), Yoshikazu Higa, Osamu Higa, Hirofumi Iyama, Toshitaka Watanabe



<p><b>2.15-2.30pm</b></p>	<p><b>Computational fluid dynamics analysis of flow in a carbon fiber stabilization furnace</b> Min-Woo Kim, Dong-Guk Ko, Se-Hyeon Kim, Prof Ik-Tae Im (Jeonbuk National University, Korea)</p>
<p><b>2.30 - 2.45pm</b></p>	<p><b>Monitoring system for mold mating surface temperature of the injection-molding</b> Prof Yoshio Fukushima (Saitama Institute of Technology, Japan), Sho Shibuya, Keigo Kudo, Yuta Abe</p>
<p><b>2.45 - 3.00pm</b></p>	<p><b>Evaluation of Cutting Force Characteristics in Microturning Under Different Ultrasonic Vibration-Assisted Turning Modes</b> Raissa Amadea Pavita, Mohamad Febrian Nugraha, Ahadiaz Daffa Nugraha, Dr Teddy Sjafrizal (Telkom University, Indonesia), Rino Andias</p>
<p><b>3.00 - 3.15 pm</b></p>	<p><b>Blade Shape Optimization on Open Channel Banki Cross-Flow Pico Hydropower Turbine</b> Deny Bayu Saefudin, Damawidjaya Biksono, Rachman Hakim, Aji Putro Prakoso (UPN Veteran Jakarta, Indonesia), Gagan Ganjar Tabah, Ahmad Fudholi, Fajar Ramdani</p>
<p><b>3.15 - 3.35 pm</b></p>	<p><b>Aligned Cellulose Nanofiber Foam for the Removal of PFAS</b> Prof Changwoo Nam (Jeonbuk National University, Korea), Tae Hee Lee, Ji Hoon Han, Man Young Kim</p>
<p><b>3.35 - 3.45 pm</b></p>	<p><b>BREAK</b></p>
<p style="text-align: center;"><b>SESSION M2</b> <b>Main Conference Hall, International Convention Centre (ICC)</b></p>	
<p><b>3.45 - 4.00 pm</b></p>	<p><b>Synthesis, characterization and performance evaluation of graphene oxide-based cellulose-coated CoFe<sub>2</sub>O<sub>4</sub> composites for the adsorption removal of malachite green dye</b> Prof M A Gabal (King Abdulaziz Universty, Saudi Arabia), RS Al-luhaibi, Sherif SZ Hindi, YM Al Angari, A Awad, AA Al-Juaid, Abdu Saeed</p>
<p><b>4.00 - 4.15 pm</b></p>	<p><b>Properties of Biodegradable Plastics from Tapioca Skin Waste Starch</b> Mahshuri Yusof, Voon Jui Joo (Universiti Malaysia Sarawak, Malaysia), Phuah Rou Jie, Marini Sawawi, Nur Tahirah Razali</p>
<p><b>4.15 - 4.30 pm</b></p>	<p><b>Design for Additive Manufacturing Educational AI Chatbot for Product Design Implementation</b></p>



يؤاتي بي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



	Miao Linhao (Universiti Teknologi Malaysia, Malaysia), Aini Zuhra Abdul Kadir, Nurul Husna Mohd Yusoff, Tao Peng, Nor Hasrul Akhmal Ngadiman, Mohd Nazri Bajuri
<b>4.30 - 4.45 pm</b>	<b>Exploring Generative AI for Product Development: An Experimental Study in a Higher Education Setting</b> Dr Fathiro Hutama Reksa Putra (ITB, Indonesia), Hasrini Sari, Budi Prihartono
<b>4.45- 5.05 pm</b>	<b>Teaching Supply Chain 4.0 Using Lego Serious Play: Learned Lessons</b> Prof Ahmed Deif (California Polytechnic State University, USA)
<b>End of Day 1</b>	

## 1<sup>st</sup> Global Conference on Industrial, Materials and Manufacturing (GCIMM) Day 2: 21<sup>st</sup> October 2025

<b>Seminar Room 1 (SASM-2W.42), SASM Building, UTB</b>	
<b>SESSION 01 (ONLINE)</b>	
<b>08.00</b>	<b>Registration</b>
<b>8.15 - 8.30 am</b>	<b>Grinding and Polishing Effect on Corrosion of AISI 316 Stainless Steel</b> Siti Aysha Mahdan (Universiti Teknologi Brunei, Brunei), Siti Kamaluddin, Nurhazwana Jumat, Denni Kurniawan
<b>8.30 - 8.45 am</b>	<b>A Study on Heat Transfer Enhancement in Battery Immersion Cooling Using Nonconductive Fluids</b> Doan Quang Bao Phuc (Jeonbuk National University, Korea), Duong Van Hau, Nguyen Thi Nhan, Le Van Cong, Nguyen Thanh Phuong, Park Chan Woo
<b>8.45 - 9.00 am</b>	<b>Strain-Rate Dependent Mechanical Property Measurement Using Nonlinear Solitary Waves</b> Guenil Kim (Jeonbuk National University, Korea), Changwoon Nah, Eunho Kim
<b>9.00 - 9.15 am</b>	<b>Design of conical hopper based on Jenike's theory with considering storage time for animal feed manufacturing plant</b> Kunyaphorn Santhisan (Naresuan University, Thailand), Kwanchai Kraitong



<p><b>9.15 - 9.30 am</b></p>	<p><b>Development of Microbial Fuel Cell for Energy Production Using Rice-Husk (<i>Oryza sativa</i>) Derived Carbon Dots as a Coating for Non-Catalyzed Electrodes</b> Szalay Michael E Batario, Eliah Mae C Concepcion, Patrick Alvin A Cortes, Matthew Adrian Z Moral, Joshua S Takeuchi, Dr Rugi Vicente C Rubi (Adamson University, Philippines)</p>
<p><b>9.30 - 9.45 am</b></p>	<p><b>Design Enhancement towards Mechanical Performance for Irregular X-Shaped Lattice Scaffolds for Tissue Engineering Using Box-Behnken Approach</b> Nor Hasrul Akhmal Ngadiman, Ahmed Abubakar Jibril, Nur Syahirah Mustafa (Universiti Teknologi Malaysia, Malaysia), Muhamad Zameri Mat Saman, Denni Kurniawan</p>
<p><b>9.45 - 10.00 am</b></p>	<p><b>BREAK</b></p>
<p><b>SESSION T1</b></p>	
<p><b>10.00 - 10.30 am</b></p>	<p><b>Keynote Speech</b> Dr Azanizawati Ma'aram Universiti Teknologi Malaysia</p>
<p><b>10.30 - 10.45 am</b></p>	<p><b>Development of a Dashboard for Managing Vaccine Packaging Stocks Based on the Economic Order Quantity (EOQ) Method in Vaccine Distribution</b> Dr Hadi Susanto (Telkom University, Indonesia), Susmitha Canny, Alexandra Elizabeth Callistha, Shakira Dwi Purwandari, Naila Davina Aurelia</p>
<p><b>10.45 - 11.00 am</b></p>	<p><b>Mechanical properties evaluation considering to directional dependent of paper molds</b> Prof Yoshikazu Higa (National Institute of Technology, Okinawa College, Japan), Hisashi Kadena, Ken Shimojima, Hirofumi Iyama</p>
<p><b>11.00 - 11.15 am</b></p>	<p><b>Sustainable Conductive Recycled PLA-Carbon Black Filament for Additive Manufacturing via Single-Screw Extrusion</b> Zaidan Faraby Zulkarnain (Universiti Teknologi Malaysia, Malaysia), Shakina Hawapi, Aini Zuhra Abdul Kadir, Muhd Ikmal Isyraf Mohd Maulana, Nor Akmal Fadil, Najlaa</p>
<p><b>11.15 - 11.30 am</b></p>	<p><b>Mechanical Properties of Bioplastics from Sago Pith Waste</b> Jui Joo Voon (Universiti Malaysia Sarawak, Malaysia), Mashuri Yusof, Rou Jie Phuah, Nicholas Hoo Tien Kuan, Marini Sawawi</p>



11.30 - 11.45 am	TBD
11.45 - 12.00 pm	<p><b>Reducing Cutting Temperature and Surface Roughness in Polytetrafluoroethylene Machining Through Trochoidal Toolpaths</b></p> <p>Hesa Aji Pinayung, Evan Devara, Dr Teddy Sjafrizal (Telkom University, Indonesia), Rino Andias Anugraha</p>
<b>Lunch Break</b>	
<b>SESSION T2</b>	
3.30 - 3.45 pm	<p><b>An Evaluation and Improvement of Service Attributes in Jackal Holidays Travel Service</b></p> <p>Dr Budhi Prihartono (Institut Teknologi Bandung, Indonesia), Ahmad Faiz Mu'tasim, Rifqi Fauzi</p>
3.45 - 4.00 pm	<p><b>Developing Empirical Model for Relationship between Mental Workload, Mental Fatigue and Burnout among Academicians</b></p> <p>Azza Zuwany Din (Universiti Teknologi Malaysia, Malaysia), Azanizawati Ma'aram, Aini Zuhra Abdul Kadir</p>
4.00 - 4.15 pm	<p><b>Inventory Control for Perishable and Recoverable Products: A Model with Partial Backordering and Reprocessing Decisions</b></p> <p>Nor Miza Hazwani Omar (Universiti Teknologi Malaysia, Malaysia), Azanizawati Ma'aram, Masine Md Tap</p>
4.15 - 4.30 pm	<p><b>Machine Learning-Enabled Prediction of Mental Health Risks in Youths Facing Stressful Life Events</b></p> <p>Rafiuddin Rohani (Universiti Teknologi Malaysia, Malaysia), Azanizawati Ma'aram, Nor Hasrul Akhmal Ngadiman, Muhd Ikmal Isyraf Mohd Maulana</p>
4.30 pm	<b>End of day 2</b>
7.00pm	<b>UTB-STE Connect Dinner</b>



يوتا تي جي . ايس . تي . ايم . كونيك ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



## 1<sup>st</sup> Global Conference on Industrial, Materials and Manufacturing (GCIMM)

Day 3: 22<sup>nd</sup> October 2025

Seminar Room 1 (SASM-2W.42), SASM Building, UTB	
SESSION 02	
9.00 - 9.15 am	<p><b>Design of Multi-Level Reverse Logistics Network for Electric Vehicle Batteries Waste under Uncertainty Conditions: Case Study of Central Java Province, Indonesia</b></p> <p>Arga Octo Hasian Simbolon, Dr Muhammad Hisjam (Universitas Sebelas Maret, Indonesia), Wakhid Ahmad Jauhari</p>
9.15 - 9.30 am	<p><b>Is Learning Organization Affect Organizational Agility and Performance?</b></p> <p>Dr Made Andriani (Institut Teknologi Bandung, Indonesia), Amelia Ilma Khaerani</p>
9.30 - 9.45 am	<p><b>Service Design Research through Bibliometric Analysis: Current Trends and Emerging Opportunities</b></p> <p>Moses Ivan Marteric Marpaung, Aldila Rizkiana (Institut Teknologi Bandung, Indonesia), Made Andriani</p>
9.45 - 10.00 am	<p><b>Competition of Dominant Market and Competitor in the Electric Motorcycle Market: A Review of Literature</b></p> <p>Teguh Juang Sinaga (Universitas Sebelas Maret, Indonesia), Wahyudi Sutopo, Roni Zakaria Raung</p>
10.00 - 10.15 am	<p><b>A Conceptual Model of Stakeholder Saliency and Ambidexterity Human Resources Practices to Intensify Sustainable Performance in Micro, Small, and Medium Enterprises</b></p> <p>Putu Widhi Iswari (Institut Teknologi Bandung, Indonesia), Joko Siswanto, Budhi Prihartono</p>
10.15 - 10.30 am	<p><b>The Importance of Integrating Circular Economy Practices in the Agricultural Sector for Sustainability: A Global Perspective</b></p> <p>Tanisha Ashrafi (Peoples' Friendship University of Russia, Russia), Sharina Sharin, Raju Mohammad Kamrul Alam</p>
10.30 - 10.45 am	<p><b>Biomass Briquettes for Sustainable Energy: A Systematic Literature Review</b></p> <p><b>Dr Muhammad Hisjam (Universitas Sebelas Maret, Indonesia), Era Febriana Aqidawati, Sri Hartini, Didik Nurhadiyanto</b></p>



يؤاتي. بي. ايس. تي. ايم. كونيفت ٢٠٢٥

## UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



<b>10.45 - 11.00 am</b>	<b>Business Process Reengineering Project at a Global Information and Communications Company</b> Prof Minwir Al-Shammari (University of Bahrain, Bahrain)
<b>11.00 - 11.15 am</b>	<b>Business Adoption and Efficacy of Visual Studio Code (VSC)</b> Prof Minwir Al-Shammari (University of Bahrain, Bahrain)
<b>11.15 - 11.30am</b>	<b>Data-Driven Approach to Person-Environment Fit: Enhancing Placement Accuracy in Organizational Contexts</b> Sinung Suakanto (Institut Teknologi Bandung, Indonesia), Joko Siswanto, Alif Muhammad Olsi
<b>11.30 - 11.45 am</b>	<b>The Role of Artificial Intelligence in Enhancing Human Resource Productivity: A Systematic Literature Review</b> Risa Aisyah (Institut Teknologi Bandung, Indonesia), Joko Siswanto, Made Andriani, Atya Nur Aisha
<b>11.45 - 12.00 pm</b>	<b>Experimental Investigation on the Influence of Polymer on the Strength of Road Base Material</b> Dr Suaidah Rahim (Universiti Teknologi Brunei, Brunei), Muneerah Jeludin, Noor Hadijah Abdul Hadi, Amalina Ali
<b>12.00 pm</b>	<b>End of Day 3</b>



يؤاتي. بي. ايس. تي. ايم. كونيفات ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



## Postgraduate Colloquium Universiti Teknologi Brunei Day 2: 21<sup>st</sup> October 2025

Classroom 3 (SASM-2E.03). SASM Building, UTB	
1.00 - 1.15 pm	Arrival of committee members
1.15 - 1.45 pm	Arrival of participants for registration Arrival of audience for registration
1.45 - 2.00pm	Health & Safety video Recitation of Surah al-Fatihah Opening remark
2.00 - 3.15 pm	Workshop session on "Inside the Editor's Mind: A Step-by-Step Guide to Writing & Submitting to High Impact Journals" By Yang Mulia Associate Professor Dr. Muslim Amin
3.15 - 3.30 pm	<b>BREAK</b>
3.30 - 4.45 pm	Continuation with the workshop session
4.45 - 5.00pm	Closing Remarks Recitation of Surah al-Asr Event ends



يؤاتي بي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



## Postgraduate Colloquium Universiti Teknologi Brunei Day 3: 22<sup>nd</sup> October 2025

Classroom 3 (SASM-2E.03). SASM Building, UTB	
7.15 - 8.00 am	Arrival of committee members
8.00 - 8.45 am	Arrival of participants for registration Arrival of audience for registration
8.45 - 9.00 am	Health & Safety video Recitation of Surah al-Fatihah Welcoming remarks by Yang Mulia Professor Dr Mohamed Hasnain Isa, Assistant Vice-Chancellor of Research & Innovation, Universiti Teknologi Brunei
9.00 - 9.30 am	Keynote session: The Importance of Underpinning Theory to Support the Research Framework Yang Mulia Associate Professor Dr. Muslim Amin
9.30 - 9.40 am	Question and Answer session
9.40 - 10.00 am	Break
10.00 - 12.00 pm	Technical Session 1 12 presentation sessions by postgraduate students 8 minutes presentation + 2 minutes Q&A session each
12.00 - 1.45 pm	Lunch break
2.00 - 4.20 pm	Technical Session 2 One invited presentation by Professor Geetha Karthi 25 Mins + 5 Mins Q&A 11 presentation sessions by postgraduate students 8 minutes presentation + 2 minutes Q&A session each
4.25 pm	Closing Remarks by Professor Dr. Sivakumar Manickam Co-Chairperson of Postgraduate Colloquium 2025, Dean of Graduate Studies and Research Office Appreciation notes by Associate Professor Dr. Md. Motiar Rahman Co-Chairperson of Postgraduate Colloquium 2025, Deputy Dean of Graduate Studies and Research Office Recitation of Surah al-Asr
END OF PROGRAMME	



يؤاتي جي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



## ASEAN Sustainable Ready for Industry 5.0 Program 2025 Universiti Teknologi Brunei Day 1: 20<sup>th</sup> October 2025

INDUSTRY 5.0 & ESG FORUM 2025	
Lecture Theatre 2, Library Complex, UTB	
1.15 pm	<b>Registration</b>
2.00 pm	Bacaan Doa Selamat Welcoming Remarks
2.15 pm	<b>Keynote Speakers 1: ESG FOR Sustainable Technology (25 Mins)</b> Yang Mulia Adjunct Practice Professor Cheah Kok Hoong President of ESG Association of Malaysia Executive Chairman of Steer Quest
2.35 pm	<b>Keynote Speaker 2: AI, Accelerators and Quantum for Sustainable Computing (25 mins)</b> Yang Mulia Mr Julian Tan IBM Digital Supply Chain Transformation Leader (A.I., Analytics and Quantum) IBM, Singapore
3.00 pm	<b>Special Session: Expanding Research Visibility in ASEAN - Opportunities with the Journal of Science and Technology for Development (15 mins)</b> Yang Mulia Prof Dr Basilios Tsikouras ASEAN Journal on Science and Technology for Development (AJSTD), Universiti Brunei Darussalam
3.15 pm	<b>Coffee Break &amp; Networking</b>
3.25 pm	<b>Expert Panel Discussion: The Sustainability Equation: Industry 5.0 + ESG (60 mins)</b>  <b>Panelists:</b> <b>Yang Mulia Adjunct Practice Professor Cheah Kok Hoong</b> President of ESG Association of Malaysia Executive Chairman of Steer Quest  <b>Yang Mulia Mr Julian Tan</b> IBM Digital Supply Chain Transformation Leader (A.I., Analytics and Quantum) IBM, Singapore  <b>Yang Mulia Haji Jailani bin Haji Buntar</b> Chief Executive





<b>11:30 - 12:00 am</b>	<p><b>Session 3: Tools and Frameworks for Carbon and Energy Auditing</b>  <b>Audit templates, basic calculations</b>                  Saiful Bahri bin Hj Md Jaafar</p>
<b>Lunch Break</b>	
<b>1:30 - 2:15pm</b>	<p><b>Session 4: Building Design Auditing</b>  <b>How to evaluate energy performance, material use, and carbon in the built environment</b>                  Dr Zulkefle bin Ismail</p>
<b>2.15 - 3.00pm</b>	<p><b>Session 5: Case Study Review</b>  <b>Presentation and discussion of real-world audits</b>                  Engr. Renaud Blanchard Makaka</p>
<b>3.00 - 3.15pm</b>	<b>Coffee Break</b>
<b>3.15-4.15pm</b>	<p><b>Session 6: Group Activity - Audit Planning Simulation</b>  <b>Participants form teams to plan an audit of a hypothetical building</b>                  All facilitators</p>
<b>4.15 - 4.30pm</b>	<p><b>Reflection</b>                  All facilitators</p>
<b>END OF SESSION</b>	

**ASEAN Sustainable Ready for Industry 5.0 Program 2025**  
**Universiti Teknologi Brunei**  
**Day 3: 22<sup>nd</sup> October 2025**

<b>PRACTICAL APPLICATION &amp; LOW CARBON SOLUTIONS</b>	
<b>Classroom 8 (SASM-2E.08), Level 2, SASM Building, UTB</b>	
<b>9.00-9.15 am</b>	<p><b>Recap of Day 1</b>  <b>Summary and Reflections</b>                  Dr Sheik Mohammed Sulthan</p>
<b>9.15 - 10.15 am</b>	<p><b>Session 7: Integrating Solar and Renewable Solutions in Audits</b>  <b>Understanding how to audit solar potential and renewable integration</b>                  Dr. Sheik Mohammed Sulthan and Ir. Dr. Nor Asiah binti Muhamad</p>
<b>10.15 - 12.00 pm</b>	<p><b>Session 8: Audit Walkthrough / Demo at UTB premise</b>  <b>Guided audit example–tools, meters, observations</b>                  Dr. Sheik Mohammed Sulthan and Saiful Bahri bin Hj Md Jaafar</p>



يؤاتي بي. ايس. تي. ايم. كونيك٢٥٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



Lunch Break	
1:30 - 2:30pm	<b>Session 9: Data Collection, Reporting, and Recommendations</b> <b>How to record findings, present reports, and recommend improvements</b> Engr. Renaud Blanchard Makaka
2.30 - 2.45pm	<b>Coffee Break</b>
2.45 - 4.00 pm	<b>Session 10: Group Presentations - Audit Simulation Outcome</b> <b>Teams present their audit plans or findings</b> All facilitators
4.00 - 4.15pm	<b>Feedback and Open Discussion</b> <b>Reflections, participant insights, Q&amp;A with experts</b> All facilitators
4.15 - 4.45 pm	<b>Closing Session &amp; Certificate Presentation</b> Closing remarks, photo session, distribution of certificates
<b>END OF SESSION</b>	



يؤاتي بي. ايس. تي. ايم. كونيكٽ ٢٠٢٥

# UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



## SCIENCE TECHNOLOGY AND INNOVATION COORDINATION (STI) Universiti Teknologi Brunei 22<sup>nd</sup> October 2025

<i>Seminar Room 1 (SASM-2W.42), Level 2, SASM Building, UTB</i>	
<b>9.15 am</b>	<b>Arrival of Committee Members</b>
<b>9.30 am</b>	<b>Arrival of Participants for Registration</b>
<b>10.00 am</b>	<b>Healthy and Safety Video</b> <b>Recital of Surah A-Fatihah</b> <b>Welcoming Remark</b>
	Keynote Session <b>Introduction of Science, Technology and Innovation (STI) Coordination</b> Professor Ohgaki Hideaki
	<b>Closing Session &amp; Certificate Presentation</b> <b>Photo Session</b> Recitation of Surah al-Asr Event ends
	<b>END OF SESSION</b>



يُؤاتج. بئ. الئس. تئ. إئئ. كؤنئكأ ٢٠٢٥

## UTB-STE CONNECT 2025

Technology Innovations for a Sustainable Future  
20 - 22 October 2025 | International Convention Centre, Brunei Darussalam



**Venue Key:**

**SASM Building, UTB**

**ICC**

**Library Complex, UTB**

**School of Applied Sciences and Mathematics Building, UTB**

**International Convention Centre, Berakas**

**Library Complex, Universiti Teknologi Brunei,**

**This schedule is subject to change, and any updates will be notified accordingly.**