



3rd Borneo Studies Network Conference

**Theme: Smart City Transformation, Biodiversity and Green Supply Chain in Borneo**

6 - 7 Zulhijjah 1446 /3 - 4 June 2025

Final Programme

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| **Day 1** | **6 Zulhijjah 1446 / 3 June 2025, Tuesday** | | |
| Time (BNT) | **Venue:** Pro-Chancellor Arts Centre | | |
| 0815  0830  0840-0855  0855-0910  0910-0925 | **Opening Ceremony**  Arrival of Guests and Participants  Arrival of the Guest of Honour  Recital of Surah Al-Fatihah and Doa Selamat  Group Photo  Welcoming Remarks by the Chair of the 3rd Borneo Studies Network Conference Committee  Yang Mulia Dr Joyce Teo  Assistant Vice Chancellor (Global Engagement)  Universiti Brunei Darussalam  Launching of the Opening Ceremony  Presentation of Token of Appreciation  Keynote Speaker 1  **Dr Michel Rod**  Vice-Provost (Strategic Enrolment), University of New Brunswick (UNB), Canada  **Title:** Evidence of Effectuation and Bricolage in the Context of Valorisation of Wood Waste Through Circular Economy Relationships  Keynote Speaker 2  **Mr Solomon Chang**  Founder and Managing Partner of ASJ Global Solution PTE LTD  **Title:** Smart City Transformation, Biodiversity and Green Supply Chain in Borneo – the Importance of Carbon Credits  Keynote Speaker 3  **Dr Isradi Zainal**  Vice Chancellor of Balikpapan University  **Title:** Management of the Sustainable City Development in Nusantara (IKN) | | |
| 0930-  1030 | Networking Break | | |
| 1030-  1100 | **Registration of speakers and participants**  **Venue:** Pengiran Anak Puteri Rashidah Sa’adatul Bolkiah Institute of Health Sciences or  IHS, Level 3 Lobby | | |
| **Parallel Sessions (IHS, Level 4)**  **Session 1 & 2: 12 min each presentation (36 mins) + 9 min QA at the end of the presentation**  **Session 3: 12 min each presentation (48 mins) + 12 min QA at the end of the presentation** | | | |
| 1100-  1200 | **Session 1:** Circular Economy  (3 presenters)  **Venue: IHS Seminar Room A** | **Session 2:** Clean Material and Energy (3 presenters)  **Venue: IHS Seminar Room D** | **Session 3:** Biodiversity  (4 presenters)  **Venue: IHS Seminar Room C** |
| **Moderator:** Professor Dr Scott Valentine, School of Business and Economics, Universiti Brunei Darussalam  **Advancing a Circular Economy in West Borneo’s Palm Oil Industry: Pathways to Clean Energy and Sustainable Transformation**  Name: ID 54 Ms Charmyllia, S.T., M.P.W.K.  Affiliation: Universitas Tanjungpura  **Unlocking the Potential of Malaysian Tiger Milk Mushroom as Landless Future Feedstock in Southeast Asia's Decarbonization**  Name: ID 56 Associate Professor TS Dr Zul Ilham Bin Zulkiflee Lubes  Affiliation: Universiti Malaya  **Catalytic Pyrolysis of Waste Neem Leaves for Enhancing Biofuel Yields and Energy Sustainability**  Name: ID 12 Mr Muhammad Mudassir Usman  Affiliation: Universiti Brunei Darussalam | **Moderator:** Dr Hasliza Bahruji, Centre for Advanced Material and Energy Sciences, Universiti Brunei Darussalam  **Design and Feasibility Assessment of Off-Grid Solar Photovoltaic Systems in Kinabalu UNESCO Global Geopark for Sustainable**  **Conservation and Sustainable Development Goals (SDGs)**  Name: ID 63 Ms Arlinnie Bibiana Jalisa  Affiliation: Universiti Malaysia Sabah  **Electrocatalytic Oxygen Reduction Reaction Activity of LaBO3 (B = Mn, Fe, Co, and Ni) Perovskite Oxides**  Name: ID 40 Mr Shaikh Parwaiz  Affiliation: Universiti Brunei Darussalam  **Techno-Economic and Environmental Feasibility of PV Powered Uninterrupted Power Supply System for Paddle Wheel Aerator Operation in Aquaculture Farm**  Name: ID 62 Dr Sheik Mohammed Sulthan  Affiliation: Universiti Teknologi Brunei | **Moderator:** Dr Daniele Cicuzza, Faculty of Science, Universiti Brunei Darussalam  **Brunei Muara District as a Green City**  Name: ID 17 Professor Dr Ferry Slik  Affiliation: Universiti Brunei Darussalam  **‘Tembawang’ as A Potential Carbon Storage Component: Case Study of Tembawang Gutok, Mempawah, Indonesia**  Name: ID 57 Professor Dr. Ir. Dwi Astiani  Affiliation: Universitas Tanjungpura  **Future of Borneo – A Horizon Scan Exercise**  Name: ID 46 Dr Angela Tritto  Affiliation: Universiti Brunei Darussalam  **Palm Diversity in Tasek Merimbun: Insights from Assessment for the Endemic *Licuala bruneiana***  Name: ID 47 Mr Rizmoon Nurul Zulkarnaen  Affiliation: Universiti Brunei Darussalam |
| 1200-  1330 | Lunch and Prayer Break  **Venue:** IHS | | |
| 1315-  1330 | **Registration of speakers and participants (IHS, Level 3 Lobby)** | | |
| **Parallel Sessions (IHS, Level 4)**  **Session 4 & 6: 12 min each presentation (72 mins) + 18 min QA at the end of the presentation**  **Session 5: 12 min each presentation (48 mins) + 12 min QA at the end of the presentation** | | | |
| 1330-  1500 | **Session 4:** Sustainable Urban Development (6 presenters)  **Venue: IHS Seminar Room A** | **Session 5:** Circular Economy  (4 presenters)  **Venue: IHS Seminar Room D** | **Session 6:** Biodiversity  (6 presenters)  **Venue: IHS Seminar Room C** |
| **Moderator:** Professor Dr. Ir. Dwi Astiani, Faculty of Forestry, Universitas Tanjungpura  **Blue Urbanism: A Proactive Approach to Climate Change**  Name: ID 3 Mr Gabriel Yit Vui Yong  Affiliation: Universiti Brunei Darussalam  **Smart Cities and Sustainable Communities for an Ageing Population**  Name: ID 34 Dr Khadizah binti Haji Abdul Mumin  Affiliation: Universiti Brunei Darussalam  **Reclaiming River Urbanism in Borneo: Blue Urbanism Perspectives from Pontianak, Palangkaraya, and Banjarmasin**  Name: ID 64 Dr Mira Sophia Lubis  Affiliation: Universitas Tanjungpura  **Green Supply Chain Management in the Borneo Region: A Systematic Literature Review and Future Directions**  Name: ID 52 Dr Md Shamimul Islam  Affiliation: Universiti Brunei Darussalam  **Urban Blue Policy: A Study on Riverbank Settlement in Pontianak City**  Name: ID 66 Dr Ely Nurhidayati  Affiliation: Universitas Tanjungpura  **Digitally Transforming Cities with AI and Smart Infrastructure: Brunei as a Regional Roadmap**  Name: ID 70 Mr Raja IRG Affiliation: Ixiono Pte Ltd / Ixicities Pte Ltd, Singapore | **Moderator:** Dr Muhammad Saifullah Abu Bakar, Faculty of Integrated Technologies, Universiti Brunei Darussalam    **Efficient Removal of Acid Blue 29 from Aqueous Solution Using Carbon Black Derived from Spent Tyres**  Name: ID 39 Ms Sia Cai Jen  Affiliation: Universiti Brunei Darussalam  **Production of Carbonic Anhydrase and Lipid Quantification from *Dysmorphococcus* Species**  Name: ID 67 Ms Nurhafizah Nadhirah Binti Haji Ridzuan  Affiliation: Universiti Brunei Darussalam  **Exploiting the Characteristics of Waste Seaweeds in Brunei Aquaculture Ecosystems for Agriculture Use**  Name: ID 48 Ms Yumni Haziqah Mohammad  Affiliation: Universiti Brunei Darussalam  **Laccase Production from *Lentinus sajor-caju* Using Agricultural Waste**  Name: ID 37 Mr Abdul Zul’Adly Bin Haji Mohaimin  Affiliation: Universiti Brunei Darussalam | **Moderator:** Dr Pooja Shivanand Breh, Faculty of Science, Universiti Brunei Darussalam  **Conservation of Sea Turtles in Bintulu, Sarawak, Malaysia**  Name: ID 7 Professor Dr Ruhana Hassan  Affiliation: Universiti Malaysia Sarawak  **Dispersal Ecology of Tropical Montane Cloud Forest Sunda Fagaceae and the Impact of Anthropogenic Threats**  Name: ID 26 Mr Tan Wei Harn  Affiliation: Universiti Brunei Darussalam  **Host Selectivity and Distribution of *Cassytha filiformis* in the Coastal Bornean Heath Forests** Name: ID 51 Dr Hjh Roshanizah Hj Rosli  Affiliation: Universiti Brunei Darussalam  **Host Specificity of Dipterocarp-Ectomycorrhizal Associations Across Forest Types and Tree Sizes in Brunei Darussalam**  Name: ID 44 Ms Army Limin  Affiliation: Universiti Brunei Darussalam  **Harnessing Brunei’s Biodiversity: Exploring Brunei’s Medicinal Plants as Novel Antimicrobial Agents**  Name: ID 16 Mr Haji Muhammad Haziq Safwan Bin Sheran  Affiliation: Universiti Brunei Darussalam  **Differences in Diversity and Communities of *Pinanga* Palms in Contrasting Lowland Tropical Forests in Brunei Darussalam, Borneo**  Name: ID 21 Mr Farid Abdullah  Affiliation: Universiti Brunei Darussalam |
| 1500-  1530 | Networking Break and Poster Exhibition  **Venue:** IHS, Level 3 Lobby | | |
| **Parallel Sessions (IHS, Level 4)**  **Session 7: 12 min each presentation (48 mins) + 12 min QA at the end of the presentation**  **Session 8 & 9: 12 min each presentation (60 mins) + 15 min QA at the end of the presentation** | | | |
| 1530-  1645 | **Session 7:** Sustainable Transformation (4 presenters)  **Venue: IHS Seminar Room A** | **Session 8:** Biodiversity  (5 presenters)  **Venue: IHS Seminar Room D** | **Session 9:** Biodiversity  (5 presenters)  **Venue: IHS Seminar Room C** |
| **Moderator:** Dr Sazali Zainal Abidin, School of Business and Economics, Universiti Brunei Darussalam  **Opportunities and Challenges of Implementing Blockchain-Based Solutions in Borneo’s Financial Sector**  Name: ID 18 Ms Dina Nasyasya Rosdi Amin  Affiliation: Universiti Brunei Darussalam  **Integrating Environmental, Social, and Governance (ESG) Principles into Unit Trust Funds for Borneo’s Sustainable Development**  Name: ID 19 Ms Rabiatul Atiqah Haji Mahli  Affiliation: Universiti Brunei Darussalam  **What Role Does Islamic Finance Play in Advancing Borneo’s Green Economy?**  Name: ID 20 Dr Hakimah Yaacob  Affiliation: Universiti Islam Sultan Sharif Ali  **How Can FinTech Innovations Support the Transition to a Green Economy in Borneo?** Name: ID 33 Mr Ahmad Zakwan Bin Haji Mohd Salleh  Affiliation: Universiti Brunei Darussalam | **Moderator:** Dr Muhammad Sabri Mohd Ali, Faculty of Science, Universiti Brunei Darussalam  **In Vivo Analysis of Anti-Inflammatory, Analgesic, and Antipyretic Activities of *Litsea elliptica* Blume Leaf Extracts**  Name: ID 5 Ms Raudhatun Na'emah Binti Hj Samsul  Affiliation: Universiti Brunei Darussalam  **Anti-Inflammatory and Analgesic Activity of *Anisophyllea disticha* Leaves**  Name: ID 6 Ms Nur 'Aziyah Binti Sofriazmi  Affiliation: Universiti Brunei Darussalam  **An Evaluation of Wound Healing Activity of *Asplenium nidus* in Diabetic Animal Model**  Name: ID 8 Mr Muhamad Nukman Bin Hj M Marali  Affiliation: Universiti Brunei Darussalam  **Dissecting Grain Morphology and Diversity of Brunei’s Traditional Local Rice Varieties**  Name: ID 41 Ms Norafifah Syakirah Binti Muhammad Sofian  Affiliation: Universiti Brunei Darussalam  **Propagating *Hoya coronaria*: Evaluating the Effects of Different Growth Media on its Vegetative Propagation Success**  Name: ID 35 Mr Fatih Faizul Arsyad bin Abdul Qadir Zailani  Affiliation: Universiti Brunei Darussalam | **Moderator:** Professor Dr Ruhana Hassan, Faculty of Resource Science and Technology, Universiti Malaysia Sarawak  **Management of Tembawang, a Traditional Community Forest in West Kalimantan, for Biodiversity Conservation**  Name: ID 58 Professor Dr Emi Roslinda  Affiliation: Universitas Tanjungpura  **Echoes of Disturbance: How Logging and Drainage Influence Peat Swamp Forests in Brunei**  Name: ID 24 Dr Salwana Md Jaafar  Affiliation: Universiti Brunei Darussalam  **Potential of Peatland After Burning as A Source of Arbuscular Mycorrhizal Fungi Inoculum**  Name: ID 59 Professor Dr Ir Wiwik Ekyastuti  Affiliation: Universitas Tanjungpura  **Antioxidant and Potential Biological Activities Using Different Parts of *Garcinia forbesii* King Plant**  Name: ID 31 Ms Nurul Asyiqin @ Nabilah Binti Zulkiflee  Affiliation: Universiti Brunei Darussalam  ***Heterotrigona itama* and *Geniotrigona thoracica* Honey, Bee Bread and Bee Pollen: Physicochemical, Phytochemicals, Antioxidant Properties, and Mineral Content Comparative Analysis in Brunei Darussalam.**  Name: ID 42 Ms Marha Sahirah binti Majid  Affiliation: Universiti Brunei Darussalam |
| 1645 | End of Day 1 | | |
| 1900 | Networking and Conference Dinner  **Venue:** iLotus Restaurant, Tungku | | |

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| **Day 2** | **7 Zulhijjah 1446 / 4 June 2025, Wednesday** | | |
| Time (BNT) | **Venue:** IHS | | |
| 0830-  0900 | **Registration of speakers and participants (IHS, Level 3 Lobby)**  **& Morning Break** | | |
| **Parallel Sessions (IHS, Level 4)**  **Session 10: 12 min each presentation (48 mins) + 12 min QA at the end of the presentation**  **Session 11: 12 min each presentation (36 mins) + 9 min QA at the end of the presentation** | | | |
| 0900- 1000 | **Session 10:** Sustainable Urban Development (4 presenters)  **Venue: IHS Seminar Room A** | **Session 11:** Climate Resilience  (3 presenters)  **Venue: IHS Seminar Room D** |  |
| **Moderator:** Dr Khadizah binti Haji Abdul Mumin, Pengiran Anak Puteri Rashidah Sa’adatul Bolkiah Institute of Health Sciences, UBD  **Blue Governmentality and Its Implication on the Future Development of Borneo**  Name: ID 29 Dr Izni Azrein bin Noor Azalie  Affiliation: Universiti Brunei Darussalam  **Connected smart cities for Borneo: A Pathway to Collaborative Sustainability**  Name: ID 53 Dr Quazi Mohammed Habibus Sakalayen  Affiliation: Universiti Brunei Darussalam  **Urban Mobility and Sustainable Transportation Development, Potential and Challenges: A Case of Water Taxi Services in Bandar Seri Begawan (BSB)**  Name: ID 28 Dr Izni Azrein bin Noor Azalie  Affiliation: Universiti Brunei Darussalam  **Can Borneo’s Unique Biodiversity Serve as a Model for Global Smart City Ecosystems?**  Name: ID 55 Dr Amnisuhailah Abarahan  Affiliation: Universiti Islam Sultan Sharif Ali | **Moderator:** Dr Hj Roslee Bin Hj Baha, School of Business and Economics, Universiti Brunei Darussalam  **A Biomimetic Alternative for Urban Climate Resilience**  Name: ID 2 Mr Gabriel Yit Vui Yong  Affiliation: Universiti Brunei Darussalam  **Ageing and Climate Resilience – Protecting Older Populations in a Changing Environment**  Name: ID 45 Dr Shyh Poh Teo  Affiliation: Universiti Brunei Darussalam  **Climate Resilience and Flood Hazards Management in Tutong District in Brunei Darussalam**  Name: ID 65 Dr Shafi Noor Islam  Affiliation: Universiti Brunei Darussalam |  |
| 1030 | Closing Remarks by:  Yang Mulia Dr Rosnah Abdullah  Deputy Director (BSN/iCUBE)  Universiti Brunei Darussalam  **Venue:** IHS, Level 3 | | |
| 1100-1230 | Lunch and Prayer Break  **Venue:** IHS, Level 3 Lobby | | |
| 1230 | End of Day 2 | | |
| 1330  1400-1500  1530  1600-1700  1700-1800  1800-1900  1900 | Excursion Activities  Visit either the Botanical Research Centre (BRC) or the Simulation Centre, PAPRSB Institute of Health Sciences (IHS)  Photo Session in front of Istana Nurul Iman (Brief stop)  Kampong Ayer (Water Village) Tour  Recreational Walk at the Eco Corridor  Free and Easy  Back to Hotel | | |

**Poster Presentations:**

1) **Anti-Inflammatory, Anti-Fibrillatory, and Neuroprotective Effects of Metal (gold, silver, etc.) Nanoparticles Synthesized using Local Medicinal Plant Extracts in Parkinson’s Disease Animal Models**

Theme: Biodiversity

Name: ID 9 Mr Ak Muhd Abd Rahman Bin Pg Ali

Affiliation: UBD

2) **Sago Waste Fibre and ZnO: An Effective Filler for Improving Physical Properties of Starch-Based Biodegradable Films**

Theme: Circular Economy

Name: ID 38 Ms Saidatul Farizah binti Norazmi

Affiliation: UBD