



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 |
| 081508300840-08550855-09100910-0925 | **Opening Ceremony**Arrival of Guests and ParticipantsArrival of the Guest of HonourRecital of Surah Al-Fatihah and Doa SelamatGroup PhotoWelcoming Remarks by the Chair of the 3rd Borneo Studies Network Conference CommitteeYang Mulia Dr Joyce Teo Assistant Vice Chancellor (Global Engagement)Universiti Brunei DarussalamLaunching of the Opening CeremonyPresentation of Token of AppreciationKeynote 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 CreditsKeynote 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 UsmanAffiliation: 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 JalisaAffiliation: 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 SlikAffiliation: Universiti Brunei Darussalam **‘Tembawang’ as A Potential Carbon Storage Component: Case Study of Tembawang Gutok, Mempawah, Indonesia**Name: ID 57 Professor Dr. Ir. Dwi AstianiAffiliation: Universitas Tanjungpura**Future of Borneo – A Horizon Scan Exercise** Name: ID 46 Dr Angela TrittoAffiliation: Universiti Brunei Darussalam**Palm Diversity in Tasek Merimbun: Insights from Assessment for the Endemic *Licuala bruneiana*** Name: ID 47 Mr Rizmoon Nurul ZulkarnaenAffiliation: 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 YongAffiliation: Universiti Brunei Darussalam**Smart Cities and Sustainable Communities for an Ageing Population** Name: ID 34 Dr Khadizah binti Haji Abdul MuminAffiliation: Universiti Brunei Darussalam**Reclaiming River Urbanism in Borneo: Blue Urbanism Perspectives from Pontianak, Palangkaraya, and Banjarmasin**Name: ID 64 Dr Mira Sophia LubisAffiliation: Universitas Tanjungpura**Green Supply Chain Management in the Borneo Region: A Systematic Literature Review and Future Directions** Name: ID 52 Dr Md Shamimul IslamAffiliation: Universiti Brunei Darussalam**Urban Blue Policy: A Study on Riverbank Settlement in Pontianak City**Name: ID 66 Dr Ely NurhidayatiAffiliation: Universitas Tanjungpura**Digitally Transforming Cities with AI and Smart Infrastructure: Brunei as a Regional Roadmap**Name: ID 70 Mr Raja IRGAffiliation: 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 JenAffiliation: Universiti Brunei Darussalam**Production of Carbonic Anhydrase and Lipid Quantification from *Dysmorphococcus* Species** Name: ID 67 Ms Nurhafizah Nadhirah Binti Haji RidzuanAffiliation: Universiti Brunei Darussalam**Exploiting the Characteristics of Waste Seaweeds in Brunei Aquaculture Ecosystems for Agriculture Use** Name: ID 48 Ms Yumni Haziqah MohammadAffiliation: Universiti Brunei Darussalam**Laccase Production from *Lentinus sajor-caju* Using Agricultural Waste** Name: ID 37 Mr Abdul Zul’Adly Bin Haji MohaiminAffiliation: 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 HassanAffiliation: Universiti Malaysia Sarawak**Dispersal Ecology of Tropical Montane Cloud Forest Sunda Fagaceae and the Impact of Anthropogenic Threats**Name: ID 26 Mr Tan Wei HarnAffiliation: Universiti Brunei Darussalam**Host Selectivity and Distribution of *Cassytha filiformis* in the Coastal Bornean Heath Forests** Name: ID 51 Dr Hjh Roshanizah Hj RosliAffiliation: Universiti Brunei Darussalam**Host Specificity of Dipterocarp-Ectomycorrhizal Associations Across Forest Types and Tree Sizes in Brunei Darussalam** Name: ID 44 Ms Army LiminAffiliation: 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 SheranAffiliation: 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 AbdullahAffiliation: 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 AminAffiliation: 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 MahliAffiliation: Universiti Brunei Darussalam**What Role Does Islamic Finance Play in Advancing Borneo’s Green Economy?** Name: ID 20 Dr Hakimah YaacobAffiliation: 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 SallehAffiliation: 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 SamsulAffiliation: Universiti Brunei Darussalam**Anti-Inflammatory and Analgesic Activity of *Anisophyllea disticha* Leaves**Name: ID 6 Ms Nur 'Aziyah Binti SofriazmiAffiliation: 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 MaraliAffiliation: Universiti Brunei Darussalam**Dissecting Grain Morphology and Diversity of Brunei’s Traditional Local Rice Varieties** Name: ID 41 Ms Norafifah Syakirah Binti Muhammad SofianAffiliation: 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 ZailaniAffiliation: 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 JaafarAffiliation: Universiti Brunei Darussalam**Potential of Peatland After Burning as A Source of Arbuscular Mycorrhizal Fungi Inoculum**Name: ID 59 Professor Dr Ir Wiwik EkyastutiAffiliation: Universitas Tanjungpura**Antioxidant and Potential Biological Activities Using Different Parts of *Garcinia forbesii* King Plant** Name: ID 31 Ms Nurul Asyiqin @ Nabilah Binti ZulkifleeAffiliation: 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 MajidAffiliation: 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 AzalieAffiliation: 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 AzalieAffiliation: Universiti Brunei Darussalam**Can Borneo’s Unique Biodiversity Serve as a Model for Global Smart City Ecosystems?** Name: ID 55 Dr Amnisuhailah AbarahanAffiliation: 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 YongAffiliation: Universiti Brunei Darussalam**Ageing and Climate Resilience – Protecting Older Populations in a Changing Environment** Name: ID 45 Dr Shyh Poh TeoAffiliation: Universiti Brunei Darussalam**Climate Resilience and Flood Hazards Management in Tutong District in Brunei Darussalam**Name: ID 65 Dr Shafi Noor IslamAffiliation: Universiti Brunei Darussalam |   |
| 1030 | Closing Remarks by:Yang Mulia Dr Rosnah AbdullahDeputy 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 |
| 13301400-150015301600-17001700-18001800-19001900 | Excursion ActivitiesVisit 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) TourRecreational Walk at the Eco CorridorFree and EasyBack 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