	Panel No. & Theme	Sessions & Titles	Participants	Moderators	Link to channel
3 Technical Session B 15/11/2021	B 1: Greenhouse Gases and Sustainability Time: 14:10 -- 15:50	1. Greenhouse Gas Mitigation and Energy Recovery Potential for Optimum Waste Management Scenarios in Bahrain	Gulnur Coskuner (University of Bahrain); Majeed S. Jassim, Sadeq Jaffer and Salman Ali (University of Bahrain, Bahrain)	Ms. Hajar Mahfoodh hakadhem@uob.edu.bh Phone: 36693433	https://teams.microsoft.com/l/channel/19%3ae661c320ff134415954ce89f19d36bcc%40thread.tacv2/VIRTUAL%2520ROOM%2520B1?groupId=5d384970-befa-4c2f-b35a-ddaf53968d6d&tenantId=026137b5-e313-46d1-9b2f-026ecb50c842
		2. Problems of CO2 Emissions in Ukraine and Ways to Overcome Them	Myroslav Panchuk (Ivano-Frankivsk National Technical University of Oil and Gas); Andrii Panchuk (Ivano-Frankivsk National Technical University of Oil and Gas, Ukraine)		
		3. Gas Waste Management in the GCC	Hajar Ali Mahfoodh (University of Bahrain & University of Surrey, Bahrain); S. Shubbar Hameed Ebrahim (Pan-Gulf Environmental Solutions, Saudi Arabia); Mohammed Redha Qader (University of Bahrain, Bahrain)		
		4. Biogas Market in Indonesia: The Roles of Carbon Trading	Nadiya Pranindita (Resilience Development Initiative, Indonesia); Saut Sagala (Institut Teknologi Bandung, Indonesia); Agunan Samosir (Ministry of Finance, Indonesia); Johannes Anhorn (GIZ GmbH, Indonesia); Ann-Kathrin van Laere (GIZ GmbH, DiBiCoo Project Coordinator, Indonesia); Aleksejs Zacepins (Latvia University of Life Sciences and Technologies, Indonesia); Angela Sainz (European Biogas Association, Belgium); Dominik Rutz (WIP - Renewable Energies, Germany); Bernhard Wlcek (Austrian Energy Agency, Austria); Dwight Rosslee (Selectra CC, South Africa); Frank Hofmann (Fachverband Biogas, Germany); Franz Kirchmeyr (Austrian Compost and Biogas Association, Austria); Jorge Hilbert (The National Institute of Agricultural Technology, Argentina); Mutala Mohammed (ISEES, CSIR, Indonesia); Wondwossen Bogale (Iceaddis IT Consultancy, Ethiopia); Yaseen Salie (The Green Cape Sector Development Agency Npc, South Africa)		
		5. A Shear Mixing approach in Polymer Composite Formation			
	B 2: Sustainability of Water Resources Time: 14:10 -- 15:50	1. Sustainability of water resources with precise modelling of crop coefficients	Chandrasekhar Reddy K (Siddharth Institute of Engineering & Technology, India)	Arch. Fariel Khan fkhan@uob.edu.bh	https://teams.microsoft.com/l/channel/19%3a021b753933a34810970b6eed68d4b936%40thread.tacv2/VIRTUAL%2520ROOM%2520B2?groupId=5d384970-befa-4c2f-b35a-ddaf53968d6d&tenantId=026137b5-e313-46d1-9b2f-026ecb50c842
		2. Kinetic modelling of nutrient removal of petroleum industry wastewater remediation	Azmatullah Noor (Universiti Teknologi Petronas, Malaysia); Shamsul Rahman Mohamed Kutty and Ahmad Hussaini Jagaba (Universiti Teknologi PETRONAS, Malaysia); Mohammad Yusuf (Universiti Teknologi Petronas, Malaysia); Md. Wasim Akram, Md. Raghib Adil, Nehal Ahmad and Mohsin Jamal (Aliah University, India)		
		3. Effect of hydraulic retention time on the treatment of Pulp and Paper Industry Wastewater by Extended Aeration Activated Sludge System	Ahmad Hussaini Jagaba (Universiti Teknologi PETRONAS, Malaysia)		
		4. Flood Estimation Studies Using Hydrologic Modelling System (Hec-Hms) For Batu Pahat River Malaysia	Safwan Sadeq (Universiti Teknologi PETRONAS, Malaysia); Aiman Mohammed (Universiti Tun Hussein Onn Malaysia, Malaysia); Amgad Muneer (Universiti Teknologi PETRONAS, Malaysia)		
		5. Sphericity and Shape Analysis For Grain Scale Organization at Lepoh River, Hulu Langat Selangor	Aiman Mohammed (Universiti Tun Hussein Onn Malaysia, Malaysia); Amgad Muneer and Safwan Sadeq (Universiti Teknologi PETRONAS, Malaysia)		
	B 3: Sustainable Construction (1) Time: 14:10 -- 15:50	1. Impact of the COVID-19 Pandemic on Construction Industry in Malaysia	Aawag Mohsen Alawag (Universiti Teknologi PETRONAS, Malaysia); Wesam Salah Alaloul (Bandar Seri Iskandar & Universiti Teknologi PETRONAS, Malaysia); Mohd Shahir Liew and Muhammad Ali Musarat (Universiti Teknologi PETRONAS, Malaysia); Abdullah Baarimah (Universiti Teknologi PETRONAS & Hadhramout University, Malaysia); Khalid Mhmoud Alzubi (Universiti Teknologi PETRONAS, Malaysia & Albalqa Applied University, Jordan); Muhammad Altaf (Persiaran UTP, Seri Iskandar, Perak & Universiti Teknology Petronas, Malaysia)	Dr. Ehab Juma Adwan eadwan@uob.edu.bh	https://teams.microsoft.com/l/channel/19%3a4f50232b2dad45bab6189cc1c5483483%40thread.tacv2/VIRTUAL%2520ROOM%2520B3?groupId=5d384970-befa-4c2f-b35a-ddaf53968d6d&tenantId=026137b5-e313-46d1-9b2f-026ecb50c842
		2. Using Sulfur Extender to Evaluate the Environmental Effects and Energy Demand of Reclaimed Asphalt Pavement	Mohammad Ibna Anwar (King Abdulaziz University, Saudi Arabia); Md. Arifuzzaman and Md Kamrul Islam (King Faisal University, Saudi Arabia); Uneb Gazder (University of Bahrain, Bahrain)		
		3. BIM Methodology applied to Facility Management: development of an integrated tool to benefit the building operation	Luã Carneiro (Universidade Federal do Rio de Janeiro, Bahrain); Yan Jeronymo (Federal University of Rio de Janeiro, Brazil); Pedro Murga (University of Rio de Janeiro, Bahrain); Giovanna Consulmagnos (UFRJ, Brazil); Karoline Figueiredo and Assed N Haddad (Universidade Federal do Rio de Janeiro, Brazil)		
		4. Application of Machine Learning for Prediction of Early Seven-Day Strength of Concrete in Factories	Sami Osman (Imam Abdulrahman Bin Faisal University, Saudi Arabia); Ayed Alluqmani (Islamic University in Madinah, Saudi Arabia); Md. Arifuzzaman (King Faisal University, Saudi Arabia); M. Aburizaiza (Yanbu University College, Saudi Arabia); W. Sindi (Islamic University in Madinah, Saudi Arabia); Md Shah Alam (University of Bahrain, Bahrain)		
		5. Investigating the Tensile Strength and Permanent Deformation of Asphalt Concrete using Different Gradation Methods	Muhammad Junaid (City University of Science and Information Technology, Pakistan); Uneb Gazder (University of Bahrain, Bahrain)		
	B 4: Health Time: 14:10 -- 15:50	1. The impact of the vaccination and booster shots in containing the COVID-19 epidemic in Bahrain: a game theory approach	Mona Abdulkarim AlSayegh (University of Bahrain)	Dr Mohammed Selim mselim@uob.edu.bh	https://teams.microsoft.com/l/channel/19%3aa3c8873548494a8dbadd67bf6510cdbe%40thread.tacv2/VIRTUAL%2520ROOM%2520B4?groupId=5d384970-befa-4c2f-b35a-ddaf53968d6d&tenantId=026137b5-e313-46d1-9b2f-026ecb50c842
		2. Identifying the Type of Chronic Kidney Disease Based on Heavy Metals in Soil using ANN	Dinithi Weerasinghe (Sabaragamuwa University of Sri Lanka, Sri Lanka); Banage Kumara (Sabaragamuwa University of Sri Lanka, Sri Lanka & University of Aizu, Japan); Kuhaneswaran Banujan (Sabaragamuwa University of Sri Lanka, Sri Lanka); S. k Gunathilake (Sabaragamuwa University of Sri lanka, Sri Lanka)		
		3. A Numerical Study of High Hydrostatic Pressure Using CFD	Abdul Ghani Abdul Aziz Abdul Ghani Albaali princess sumaya university for technology (Jordan); Fawzi Mohammed Munir Al-Naima (Al-Nahrain University, Iraq)		
		4. Enhancing Medical Data Transparency and Integrity with Blockchain Based Implementation	Lim Qing Yuan (Asia Pacific University of Technology & Innovation (APU), Malaysia); Muhammad Ehsan Rana (Asia Pacific University of Technology & Innovation, Malaysia); Qusay Al Maatouk (Asia Pacific University of Technology and Innovation)		
		5. The effects of planned urban development on the comfort of healthy urban living	Mohammad Selim (UOB, Bahrain)		
		6. Impact of COVID 19 on Small and Medium-Sized Enterprises: Evidence from Egyptian Plastic Packaging Industry Dina El kayaly School of Business and Finance New Giza University Cairo, Egypt. Head of Marketing and Market Research Edge for Training and	Nahla Hazem (Nile University, Egypt); Dina El kayaly (New Giza University, Egypt); Irene Fahim (Nile University, Egypt)		
	B 5: Sustainable Construction (2) Time: 14:10 -- 15:50	1. Investigating Mechanical Properties of Interlocking Concrete Blocks by Recycling Waste Polyethylene Terephthalate - A Sustainable Approach	Kok Heng, Muhammad Imran Khan and Muslich Sutanto (Universiti Teknologi PETRONAS, Malaysia); Salah Elias Zoorob (Kuwait Institute for Scientific Research, Kuwait); Sri Sunarjono (Universitas Muhammadiyah Surakarta, Indonesia)	Dr Hawra Alshaik halshaik@uob.edu.bh	https://teams.microsoft.com/l/channel/19%3a644c900601814951bec176e941fa3f87%40thread.tacv2/VIRTUAL%2520ROOM%2520B5?groupId=5d384970-befa-4c2f-b35a-ddaf53968d6d&tenantId=026137b5-e313-46d1-9b2f-026ecb50c842
		2. Assessment of Lightweight Aggregate Concrete Using Textile Washing Stone	Shah Room (University of Technology, Pakistan); Mujahid Ali and Mohammad Azad Alam (Universiti Teknologi PETRONAS, Malaysia); Usman Khan (City University of Science and Information Technology, Pakistan); Syed Ammad (Universiti Teknologi PETRONAS, Malaysia); Syed Saad (Universiti Teknologi Petronas, Malaysia)		
		3. Employing a robust data-driven model to assess the environmental damages caused by installing grouted columns	Mohammed Majeed Hameed and Faidhalrahman Khaleel (Al-Maaref University College, Iraq); Deiaaldeen Khaleel (University of Anbar, Iraq)		
		4. Effect of Palm Oil Clinker Powder-Based Geopolymer as a Modifier on the Properties of Bitumen and Mixtures: A Sustainable Approach	Nura Shehu Aliyu Yaro (Universiti Teknologi PETRONAS, Malaysia & Ahmadu Bello University, Nigeria); Madzlan Napiah, Muslich Sutanto and Aliyu Usman (Universiti Teknologi PETRONAS, Malaysia); Abdulfatai Murana (Ahmadu Bello University, Nigeria); Waqas Rafiq (Universiti Teknologi PETRONAS, Malaysia)		
		5. Identification and evaluation of barriers and drivers to sustainable construction in China	Muhammad Sajjad and Hu Anfeng (Zhejiang University, China); Abdul Hannan Qureshi (Persiaran UTP, Seri Iskandar, Perak & Universiti Teknologi PETRONAS, Malaysia); Li Yonghua (Zhejiang University, China)		
		6. Implementation Challenges of Automated Construction Progress Monitoring Under Industry 4.0 Framework Towards Sustainable Construction	Abdul Hannan Qureshi (Persiaran UTP, Seri Iskandar, Perak & Universiti Teknologi PETRONAS, Malaysia); Wesam Salah Alaloul (Bandar Seri Iskandar & Universiti Teknologi PETRONAS, Malaysia); Bilal Manzoor (Universiti Teknologi PETRONAS, Malaysia); Syed Saad (Universiti Teknologi Petronas, Malaysia); Aawag Mohsen Alawag (Universiti Teknologi PETRONAS, Malaysia); Khalid Mhmoud Alzubi (Universiti Teknologi PETRONAS, Malaysia & Albalqa Applied University, Jordan)		
	B 6: Sustainable Management and Resilience Planning Time: 14:10 -- 15:50	1. Cultivating Employee Green Behavior: The Essence of Individual Green Value	Yossra Fareed El-Tony and Ling Suan Choo (University of Bahrain, Bahrain)	Dr. Fatema Qaed fqaed@uob.edu.bh 34550545	https://teams.microsoft.com/l/channel/19%3acf70102e92d7465887ec48a487db6abf%40thread.tacv2/VIRTUAL%2520ROOM%2520B6?groupId=5d384970-befa-4c2f-b35a-ddaf53968d6d&tenantId=026137b5-e313-46d1-9b2f-026ecb50c842
		2. Challenges and Motivations for Youth Entrepreneurship Start-Ups: Empirical study from Egypt	Dina El kayaly (New Giza University, Egypt); Irene Fahim (Nile University, Egypt)		
		3. Do technological innovation, financial development, and economic freedom limit energy demand The analysis of ASEAN+3	Ala Fathi (Near East University, Turkey); Aliya Isiksal (Near East University, Faculty of Economics and Administrative Sciences, Turkey)		
		4. Covid-19 Interior and Architectural Design Solutions for Educational Workshops	Zainab AbdulMohsen Eid (University of Bahrain & Lecturer, Ahlia University, Bahrain)		
		5. Digital Wallet in Supporting Green FinTech Sustainability	Muhammad Anshari, Mohammad Nabil Almunawar, Masairol Masri and Mahani Hamdan (Universiti Brunei Darussalam, Brunei Darussalam)		
		6. Management Analysis on Occupational Health and Safety in the Boiler House Using Method of Hazard Identification, Risk Assessment and Determining Control	Auliaur Lutfianto, Melinska Febrianti, Gisya Yudhistira and Qurtubi Qurtubi (Universitas Islam Indonesia, Indonesia)		
	B 7: Innovation and Technology in the Built Environment Time: 14:10 -- 15:50	1. Integration of Building Information Modeling (BIM) and Value Engineering in Construction Projects: A Bibliometric Analysis	Abdullah Baarimah (Universiti Teknologi PETRONAS & Hadhramout University, Malaysia); Wesam Salah Alaloul (Bandar Seri Iskandar & Universiti Teknologi PETRONAS, Malaysia); Mohd Shahir Liew, Al-Hussein Al-Aidrous, Aawag Mohsen Alawag and Muhammad Ali Musarat (Universiti Teknologi PETRONAS, Malaysia)	Dr. Anamika Jiwane ajiwane@uob.edu.bh phone: 39074877	https://teams.microsoft.com/l/channel/19%3a9b7a49c9126142b4b3e69bd5d14961b1%40thread.tacv2/VIRTUAL%2520ROOM%2520B7?groupId=5d384970-befa-4c2f-b35a-ddaf53968d6d&tenantId=026137b5-e313-46d1-9b2f-026ecb50c842
		2. PVT Properties for Yemeni Reservoirs Using an Intelligent Approach	Salem Baarimah (Hadramout University, Yemen); Abdullah Baarimah (Universiti Teknologi PETRONAS & Hadhramout University, Malaysia)		
		3. Recent Environmental Economic Rating of Renewable Energy Deployment in Prospective Built Environment in Saudi Arabia	Yousif Mohammed Alsharidah (UOB & Saudi Aramco, Saudi Arabia); Abdulsattar Alazzawi (University of Bahrain, Bahrain)		
		4. Investigation of the Current Innovative Industrialized Building Systems (IBS) in Malaysia	Al-Hussein Al-Aidrous (Universiti Teknologi PETRONAS, Malaysia); Abdullah Baarimah (Universiti Teknologi PETRONAS & Hadhramout University, Malaysia); Aiman Hasan Hamood Al-Masoodi (Universiti Teknologi PETRONAS, Malaysia)		
		5. Brainstorming Room Design Using Service Design	Bayan Aburowais (University of Bahrain & Planera, Bahrain)		