

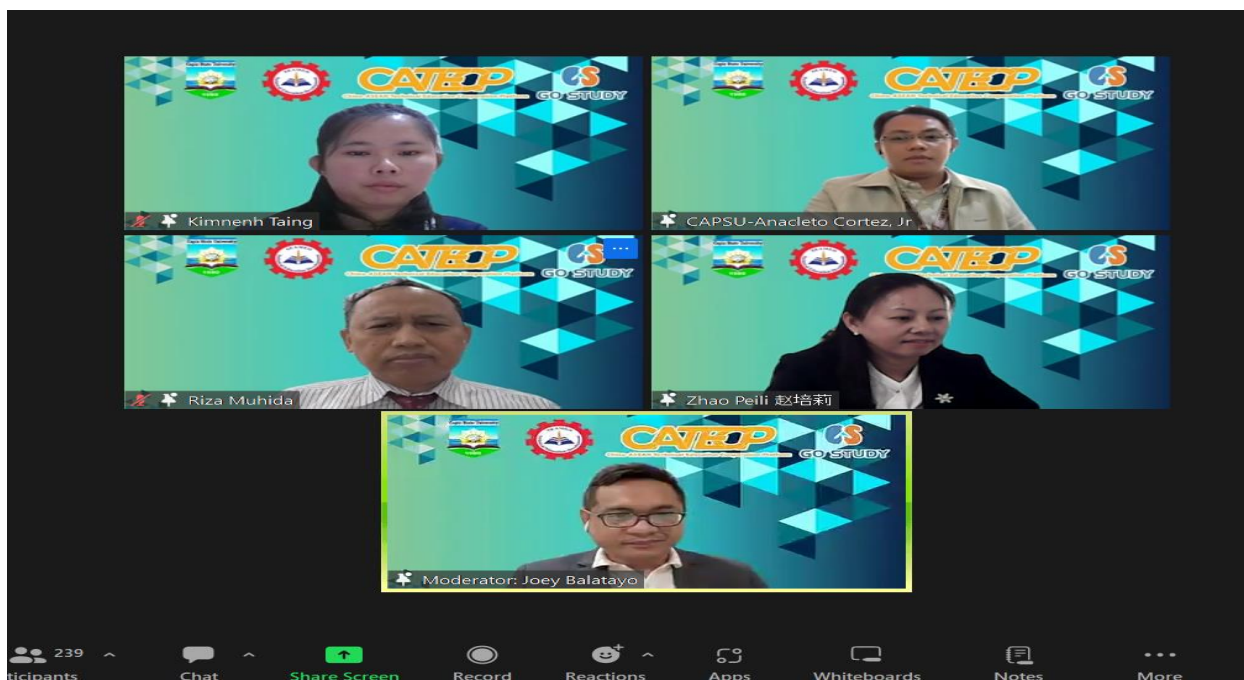


**International Experts Sharing Forum
on
Green Horizons: Innovations and Strategies towards Sustainable
and Net Zero Energy Buildings
02 April 2024, 9:00-11:00 am (Phnom Penh Time)**



(Photo: Webinar Participants)

On 2 April 2024 (9:00- 11:10 am, Cambodian Time), in cooperation with Go Study and Capiz State University, SEAMEO TED co-host an International Experts Sharing Forum on *Green Horizons: Innovations and Strategies towards Sustainable and Net Zero Energy Buildings (NZE)* to explore the latest advancements and transformative strategies aimed at achieving sustainable and net zero energy buildings and to provide a comprehensive understanding of diverse approaches to net zero energy building, from adaptive technologies to holistic design philosophies to participants. This important webinar accommodated around 250 regional participants. Four experts from four different countries namely Cambodia, China, Indonesia, and the Philippines were invited to share their expertise and experiences to the audience.



(Speakers and Moderator)

In her opening remarks, **Dr. EDITHA C. ALFON**, President III of Capiz State University paid her warm welcomes to the participants and speakers. She also expressed her sincere thanks to SEAMEO TED and Go Study as being the co-host of the event. She hoped that all participants would gain comprehensive understanding of latest advancements and transformative strategies of sustainable and net zero energy buildings.

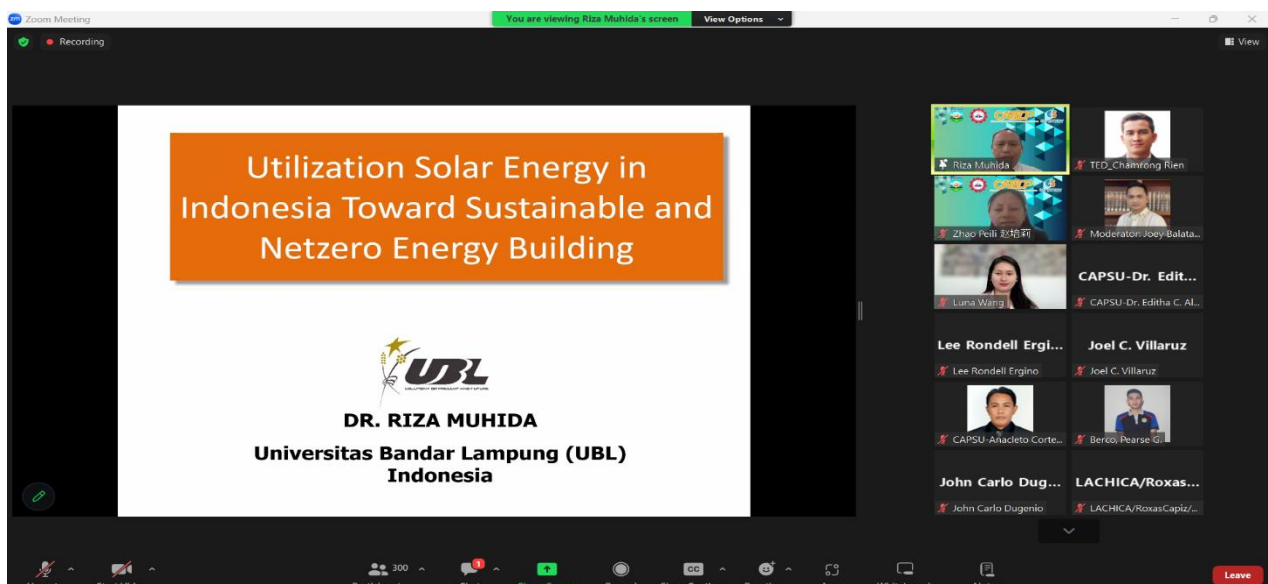


(Lectured by Prof. Zhao Peili)

Prof. Zhao Peili, TVET expert at SEAMEO TED shared the topic on “*Intelligent Construction on Green Assembled Building*” elaborating three important points which are Green Assembled

Buildings, Sustainable Building Products, and Intelligent Construction Innovation. She highlighted Appearance of Assembled Buildings, Assembled Construction Technology, Assembled Buildings Classification, Feature of Assembled Buildings, Construction Robots, Recycling Management, Recycled building products, and Construction Waste into Resources.

The second speaker **Dr. RIZA MUHIDA**, from Universitas Bandar Lampung (UBL), Indonesia presented the topic on “*Utilization Solar Energy in Indonesia Toward Sustainable and Net Zero Energy Building*” encompassing Introduction, Characteristics, and Utilizations of Solar Energy. He also highlighted Energy Prediction in the world until 2030, Growth of Photovoltaics, Building Integrated Photovoltaic (BIPV), Utilization of Photovoltaic In-House Grid-connected System PV vs Stand Alone system PV, Role of Photovoltaic In-Built Environment, Building Applications, Benefits of BIPV, Harmonization of Building and Energy, Condition of Energy in Indonesia, and Indonesia National Commitment to Utilize Renewable Energy.

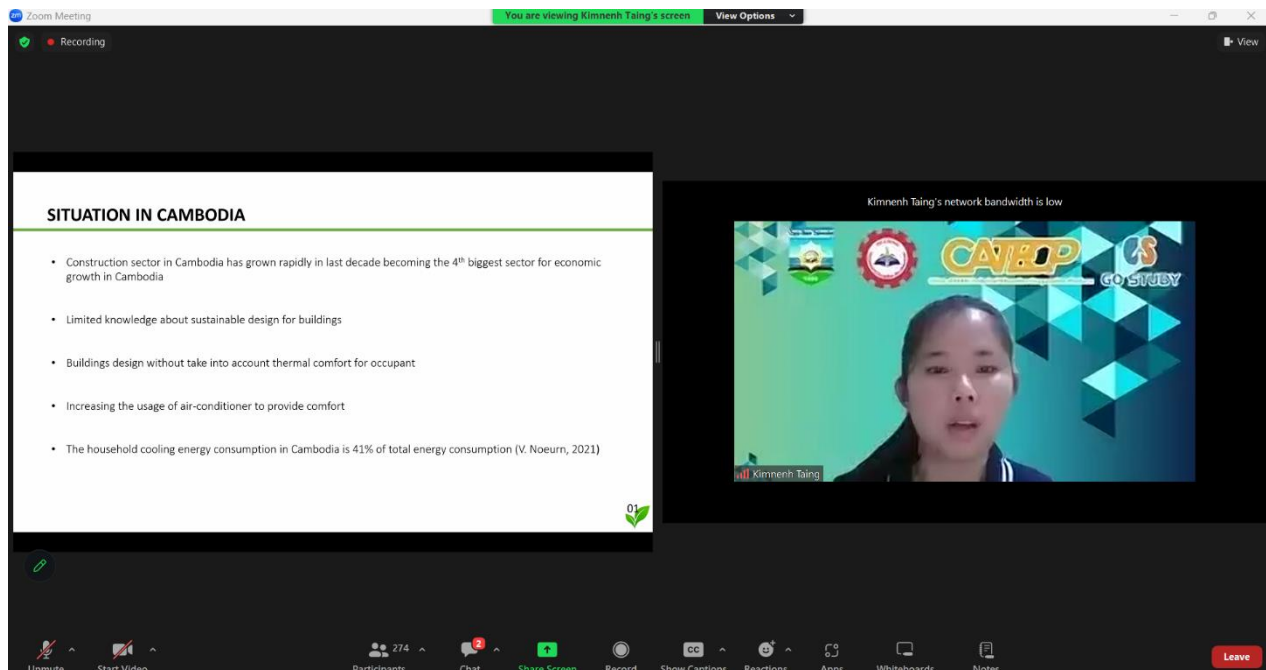


(Lectured by Dr. Riza Muhida)

The third speaker **ANACLETO M. CORTEZ, JR.** from Capiz State University, the Philippines shared his topic on “*Energy Audit in Building to Achieve Net Zero Energy Building*” focusing on seven parts for the Philippines’ context such as Introduction to Energy Audits for Achieving NZEB in the Philippines, the Process of Energy Auditing in Buildings, Case Studies: Energy Audits Leading to NZEB in the Philippines, Innovations in Energy Efficiency and Renewable Energy for NZEB, Financing and Policy Support for NZEB Transformation, and Towards a Sustainable Future: The Path After Energy Auditing.

Last but not least, **Mrs. TAING Kimnenh**, PhD Candidate of Institute of Technology of

Cambodia (ITC) shared her experiences and expertise on “*Approach for Designing a Bioclimatic building in Tropical Region*” covering the Definition, Design Principles, Design Elements, and Building Implementation of Bio-Climatic Design. She also highlighted Envelop Design: Protect and Ventilate.



(Lectured by Ms. Taing Kimmenh)

In his closing remarks, **Mr. Khat Prumsochetra**, deputy director of SEAMEO TED expressed sincere thanks and gratitude to all speakers and participants for sharing knowledge, experiences related to the sustainable and net zero energy buildings for better and greener planet. He called for more collaborations among experts and stakeholders to work together on green horizons to ensure the sustainable development especially in building science in the region.

A number of questions were raised by participants to have speakers' clarification and further explanation in Q& A session moderated by **Dr. Joey Balatayo**, faculty member of Capiz State University.