



Contribution ID: 370 Contribution code: S1 Physics Innovation

Type: Invited Speaker

Green energy applications under ANSEE project in Khao Yai National Park

Friday, June 24, 2022 9:00 AM (30 minutes)

With the growing concern of climate change and the reduction of CO₂ emission, the Advanced Nanomaterials for enhancing Sustainable Energy and Environment in Dong Phrayayen - Khaoyai World Heritage (or ANSEE project) was initiated. Prototypes of green energy applications, especially relating to customized batteries, have been installed and tested in the Khao Yai National Park and farms near the park. The applications include hybrid-off-grid solar system for tourists and office, EV motorcycles, EV charging stations and off-grid solar systems for farming. In this talk, we will describe about the customization processes relating to energy storage and the environmental/financial/social benefits.

Keywords: renewable energy, energy storage, battery application, CO₂ emission, environmental sustainability

Primary authors: MAENSIRI, Santi (School of Physics, Institute of Science, Suranaree University of Technology); MEEVASANA, Worawat (School of Physics, Institute of Science, Suranaree University of Technology); WONGPRATAT, Unchista; MUSIKAJAROEN, supansa

Presenter: MEEVASANA, Worawat (School of Physics, Institute of Science, Suranaree University of Technology)

Session Classification: S1 Physics Innovation

Track Classification: Physics Innovation