



Awards

Ceremony

Best Paper Awards 2024

**IMPACT OF ORTHOGONAL LATERAL LOADING ON
THE ULTIMATE LATERAL PILE LOAD CAPACITY
AND LATERAL FLOW CHARACTERISTICS
OF A MODELED PILE**

Thawatwong Phatsak and Warat Kongkitkul

Sustainable and Smart Geotechnical Engineering

Best Paper Awards 2024

**EFFICIENCY OF GEOGRID ENCASEMENT UNDER COST
CONSIDERATION ON PERFORMANCE OF STONE COLUMNS**

**Wittawat Yodsomjai, Chana Phutthananon
and Pornkasem Jongpradist**

Sustainable and Smart Geotechnical Engineering

Best Paper Awards 2024

**Impact of Shallow and Deep-Seated Landslides Induced by Rainfall
on Spatial Distribution of Debris Flow Mass**

**Sartsin Phakdimek, Daisuke Komori
and Thapthai Chaithong**

Sustainable and Smart Geotechnical Engineering

Best Paper Awards 2024

**Visualized evaluation of internal erosion progress under different
seepage flow histories**

**Koji Nakashima, Hideaki Yoshida
and Katsuyuki Kawai**

Sustainable and Smart Geotechnical Engineering

Best Paper Awards 2024

**Interaction Between Stabilizing Solution and Mortar During
Installation of Cast-in-Place Concrete Piles**

Ayumi Morota, Koki Nakao and Shinya Inazumi

Sustainable and Smart Geotechnical Engineering

Best Paper Awards 2024

**DEEP LEARNING ENHANCES PREDICTION OF RIVER WATER
LEVEL AND FLOOD INUNDATION**

**Weeraphat Duangkhan, Chaiwat Ekkawatpanit,
Duangrudee Kositgittiwong, Wongnarin Kompor
and Chanchai Petpongpan**

Sustainable and Smart Water and Wastewater Engineering

Best Paper Awards 2024

**Role of carbonation curing regime in compression-formed
supersulfated cement block**

**Fengyi Zhang, Chiu Chuen Onn,
Saznizam Sazmee Sinoh and Kim Hung Mo**

Sustainable and Smart Construction Materials

Best Paper Awards 2024

**PREPARATION OF CONSTRUCTION MATERIALS FROM SIMU-
LATED LUNAR ROCK SAND USING ALKALI SALTS**

Takaaki Wajima and Osamu Toda

Sustainable and Smart Construction Materials

Best Paper Awards 2024

**RESIDUAL STRENGTH OF EPOXY COATED PINEAPPLE LEAF
FIBER EXPOSED TO HIGH ALKALINE ENVIRONMENT**

**Anurak Tappakron, Manote Sappakittipakorn,
Sittisak Jamnam and Piti Sukontasukkul**

Sustainable and Smart Construction Materials

Best Paper Awards 2024

Advanced Machine Learning for Proactive Wind Turbine Monitoring
Topics : 5.Sustainable and Smart Environmental Engineering

**Kreetiwat Chaiyasin, Kitsana khodcharad,
Veena Phunpeng ,Wipada Boransan
and Thongchart Kerdphol**

Sustainable and Smart Environmental Engineering

Best Paper Awards 2024

**Matheuristic Approaches for Hub Location Optimization
in Multimodal Transportation Networks**

Thitinan Pholsook

Sustainable and Smart Transportation Engineering

Best Paper Awards 2024

**Utilizing YOLOv8 for Automated Detection of Pavement Defects
in Highway Maintenance Systems in Cambodia**

**Kun Polin, Pham Minh Ngoc Duyen,
Vachara Peansupap, Phatsaphan Charnwasununth
and Manop Kaewmoracharoen**

Sustainable and Smart Pavement Engineering

Best Paper Awards 2024

**ROLE OF CARBONATION AND RESIDUAL LIME CONTENT
ON LONG TERM STRENGTH BEHAVIOR OF LIME TREATED
SUBGRADE SOILS**

Saurav Bhattacharjee and Syam Nair

Sustainable and Smart Pavement Engineering

Best Paper Awards 2024

Research on maintenance of slopes using 3D data during construction

Takao Misaki and Satoshi Nishiyama

Sustainable Construction and Infrastructure Management

Best Paper Awards 2024

**CREATIVE AND COLLABORATION ON THE DEVELOPMENT
OF AN ENVIRONMENT FOR CANCER PATIENT HEALING AT
KHAMPRAMONG TEMPLE Management**

**Amorndech Noulmanee, Nutthachai Prongmanee,
Samonporn Suttibak, Paponpatchara Pibanpaknatee
and Wilailuck Tantitrakul**

Sustainable Construction and Infrastructure Management