

Department of Geodetic Engineering

5th Geomatics Student Project Colloquium

Student Project Presentations for Students

March 29, 2014

Sessions: 8:30 AM-12:00 NN; 1:15 PM-4:00 PM

Geodetic Engineering Theatre

Enhancing student's learning experience is one of the aims of the Department of Geodetic Engineering. Through this Geomatics Student Project Colloquium, students would learn from fellow students, who are taking their undergraduate degree or doing their graduate studies. From these projects, it is hoped that the students would better appreciate and think of methods and various applications of Geomatics Engineering even before taking advanced subjects. Graduates students may also learn from the undergrads and also offer advice to them. The colloquium is also a good venue to hone their presentation skills. Alumni and friends are welcome to attend.

8:00-8:30 AM Registration

PRESENTATIONS

8:30-10:00 AM: Session 1 (Chairman: Asst. Prof. Wilfredo Rada)

Bagasse Resource Assessment Study

Danilo Dionisio (EgyE 320)

Fertilizer Recommender System for Sugarcane Production in Tarlac Mill District using ArcGIS and WebGIS

don matthew banatin, charmaine cruz, raquel raiza francisco, mariecor elaine tagle (GmE 203)

Rain -induced Erosion Estimation Using Remote Sensing and RUSLE in the Afusan River Subwatersheds of New Bataan, Compostela Valley

Gatdula, Quinton, Sempio, Villanueva (GmE 202)

Intercrop Mapping using Landsat and MODIS Data

Charmyne Mamador and Jara Villanueva (GE 198)

Rice Husk (*Oryza sativa*) as Alternative Energy Resources

christian arbon, ma. theresa banta, gina lyn camacho, alvin palanca (GmE 203)

Automated Data Conversion and Geostatistical Analysis of a Hydrodynamic and Water Quality Model for Cape Bolinao

Homer Pagkalinawan (GmE 222)

10:00-10:15 AM Snack Break

10:15 AM-12:00 NN: Session 2 (Chairman: Asst. Prof. Anjillyn Mae C. Perez)

Spatial Regression Analysis of Seagrass Density and Hydrodynamic Properties in Santiago Island, Bolinao

Roseanne Ramos (GmE 222)

CourtVisionPH: A System for the Extraction of Field Goal Attempt Locations and Spatial Analysis of Shooting using Broadcast Basketball Videos

Nikko Boy Cataniag and Ben Hur Pintor (GE 198)

Emergency Response Analysis of Marikina City Fire Stations to Earthquake-Induced Fire

leonard luz, paolo micrael villa, eugene allan lanuza (GmE 203)

A Multi-method Approach for Classification of Multibeam Echosounder Data for Benthic Habitat Mapping

Mia Shaira P. Estabillo and Ana Margarita S. Guillermo (GE 198)

Suitability and Network Analysis using Geographic Information System (GIS): Identifying Best Locations for Flood Evacuation Areas in Las Piñas City

jerimae acosta, joana patricia decilos, joida prieto, eula fae sola (GmE 203)

Automating Vegetational Analysis with Shannon and Simpson Indices using Python

Dela Cruz, L., Gatdula, N., Quinton, K. (GmE 205)

GIS-based Assessment of Renewable Energy Resources in Pangasinan

Shari Ann Botin, Lorenzo Doliente and Roseanne Ramos (Egy E320)

12:00NN-1:00PM LUNCH BREAK

1:00-3:00 PM: Session 3 (Chairman: Ms. Trishia Guevara)

Comparative Analysis of Pixel-based, Object-based and Combined Methods in Image Classification: Case of Cagayan de Oro City

Francisco, De La Cruz, Luz (GmE 202)

Flood risk mapping of Malabon City using AHP-derived parameters

karen mae abu, jake del prado, julius sempio, alfie torres (GmE 203)

Developing a Community-Based and Spatial Approach using GIS in the Preparation of a Coastal Tourism Development Plan: A Case Study of White Beach, Brgy. San Isidro, Puerto Galera

Mara Benece Aragonese and Therese Anne Rollan (GE 198)

Generation of Data on Households in Upland/Forestland

Merlyn Soriano, Richard Lugod, Dexter Alamar (TC 25)

Exploration Targets for Chromite Deposits in the Zambales Region: An application of GIS

mark louis lagura, kristoffer montefalcon, kerve supnet (GmE 203)

Automated Filtering of Non-Terrestrial Points from Lidar Point Data

Edgardo Gubatanga, Jr. (GE 198)

3:00-3:15 PM

Snack Break

3:15-5:30 PM: Session 4 (Chairman: Asst. Prof. Jeark A. Principe)

Geostatistical Analysis of Landslide Occurrence and Risk

Louie John Seveses (GmE 222)

Using Remote Sensing to Evaluate Air Pollution and its Relationship to Different land Cover Types in Metro Manila

Lunas, Seveses, Tagle (GmE 202)

Assessment of Spatial and Temporal Phenomena of Urbanization in Lalakay and Baybayin, Los Banos, and its Impact on Groundwater System

zayra domini abraham, christian buted, amancio melad, yvette kirsten reyes (GmE 203)

Fuzzy Overlay Analysis for Enhanced Mapping of Conservation Management Areas

Don de Alban (GmE 222)

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Ivan Cruz (EgyE 320)

Energy Resource Assessment for Zamboanga City - Solar, Wind and Hydro Energy

Marco Lao and Homer Pagkalinawan (EgyE320)

Rice Husk Resource Assessment for Bioenergy

Liz Alindogan, Theresa Banta (EgyE 320)