

Department of Geodetic Engineering

3rd Geomatics Student Project Colloquium

Student Presentations for Students

April 8, 2013

Sessions: 9:00 AM-12:00 NN; 1:00 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 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 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.

8:30-9:00 AM Registration

PRESENTATIONS

9:00-10:15 AM: Session 1 (Chairman: Asst. Prof. Jeark A. Principe)

Mineral Resources Estimation Using GIS (GmE203)
Rainier Reyes, Siev Sokly, Stephanie Tumampos

Implementation of a Philippine Eagle (Haribon) Habitat Surveillance System using Microsatellite (ECE197)
Martin John Dolorico, John Bart Lovern Dumalag, Clarence Sze, Adrian Tolentino

Preliminary Selection of Candidate Sites for Tracking Antenna Station (TAS) using 3D GIS Analysis (GmE 222)
Jayvee Macaraeg

GIS-based Assessment of the Potential Effect of Power Plant Operation on Air Pollution (GmE203)
Climaco Jurado, Sanh Phimthongsing

10:15 AM Snack Break

10:30 AM-12:00 NN: Session 2 (Chairman: Asst. Prof. Czar Jakiri S. Sarmiento)

GIS for Earthquake Studies: Seismicity, ground motion and estimation of loss in Luzon (GmE222)

Paulo Caparas, Mart Geronia

Monitoring and Telemetry Aggregation for Long-term Analysis of Philippine Fault Movements (MaTASat) (ECE197)

Iris Endozo, Regis Guhiting, John Leur Labrador, Merven Matthew Natino

Commercial Development Project in Quezon City CBD (CE49)

Alexis Richard Claridades, Ana Margarita Guillermo, Velina Angela Bemida, Sheila-Maye Santillan, Martin John Dolorico

Development of the Melchor Hall 3D GIS for Indoor Spatial Analyses and Visualization of Building Evacuation (GmE210,222)

Edgardo Macatulad, Lennie Dilidili

Cadastral Domain Model for Pag-IBIG Housing Loan (GmE217)

Ransie Joy Apura, Avenger Michelle Maslog, Kristina Ticman

12:00NN LUNCH BREAK

1:30-3:00 PM: Session 3 (Chairman: Asst. Prof. Rosario Concepcion Ang)

Low-cost Nano-Satellite Constellation for Virtual Learning Environment for Rural Areas in the Philippines (ECE197)

Neil Erwin Bernardo, Emmanuel Boncato, Jovelle Canlas, Bienvenido Carcellar

Shrinking Philippines: Analyzing Proximity by Accessibility (GmE210,222)

Ransie Joy Apura, Greg Galang, Kristina Ticman

Building a Filipino Amusement Park (CE49)

Therese Rollan, Mara Aragonas, Laraine Abad, Ervin Dy, Lyza Castro

Enhancing Hospital Facilities Management using GIS (GmE222)

Avenger Maslog, Dexter Aquino

3:00 PM Snack Break

3:15-4:00 PM

Evaluating the value of view on high-rise residential structure using 3D Visibility Analysis
(GmE 210, 222)
Marie Felipe Parca, Sheen Eisele Dalde, Liz Linda Alindogan

Other presentations (to be confirmed)