

Department of Geodetic Engineering  
**1<sup>st</sup> Geomatics Student Project Colloquium**  
March 31, 2012  
Sessions: 9:00 AM-12:00 NN; 1:30 PM-5:00 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 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 presentation skills. Alumni and friends are welcome to attend.

### **PRESENTATIONS**

*(Schedule to be released soon...)*

#### **The SISID Project - Shared and Integrated Site Information for Divers**

*Ransie Apura, Greg Galang, Ray Lorca, Gary Macatulad, Leo Ortega (GmE 203)*

#### **LAWA - Laguna Lake Waste Water Alert**

*Marie Joyce Ilagan, John Mark Marcos, Rowena Pagdingalan, Nizar Jameson Palayad, Kristina Di Ticman (GmE 203)*

#### **GIS-Based Environmental Risk Surface for Taal Lake Water Quality Management**

*Joseph Daryl Locsin, Arnel Tenorio, Mylene Villanueva*

#### **Visual Exploration of the Water Quality of Taal Lake using Android**

*Joseph Daryl Locsin (GmE 210)*

#### **A Spatial Regression Approach to Investigate the Socioeconomic Factors Affecting School Enrolment Rate in Tanauan City, Batangas**

*Ed Carla Mae Tomoling, Mary Grace Fajilan (GmE 222)*

#### **Evaluation of FRA-based data for forest/non-forest classification of multi-spectral and SAR image data: case of Southern Leyte, Philippines**

*Sheen Eisele Dalde, Jose Don De Alban, Ray Neil Lorca, Cristina Montoya, Francisco Tavora, Rafael Umbrero, Johanna Erika Valdueza (GmE 216)*

#### **Geovisualization in Support of Local Development Plan Implementation: The case of the Proposed Quezon City Central Business District**

*Ed Carla Mae Tomoling, Mylene Villanueva (GmE 210)*

#### **Location Suitability Analysis and Possible Areas for Recreational Facilities Along the River Systems within Manila**

*Jennica Yu, Jerome Santiago (GE 160)*

**Determining Shortest Route for McDonald's Delivery**

*Ervin Fredrick Dy, Justine Francisco (GE 160)*

**Implementing a Relational Database and Geovisualization of Distributed Lands under CARP in Region VI**

*Racquel Franciso, Lira Habana (GE 160)*

**Forest & Non-Forest Quantization using Radar and Multispectral Images**

*Edgardo Macatulad, MJI. A. Meily, and Francisco B. Tavora (GmE 202)*

**Remote Sensing-Based Temperature Change Detection in Developed Urban Centers of Santa Rosa, Laguna, Philippines: Mapping the Extent of the Urban Heat Island Effect**

*Galang, G., Lorca, R., Peralta, R., Cubio, A., Arriesgado, M. (GmE 202)*

**Development of a methodology for CRP and 3d-visualization using RS images from mobile phone cameras**

*Apura, R., Ticman, K., Palayad, N. (GmE 202)*

**Application of Core Cadastral Domain Model Using Geographic Information System on Brgy. Mabini, Baras, Rizal**

*Laura Melissa Chua, Maria Cristina Estil, Diana Igos, Benjamin Jonah Magallon (GE 119)*

**CCDM: Modeling the Philippine Cadastral System**

*Dexter Aquino, Ronald Gatchalian, Arnel Tenorio and Mary Grace Fajilan (GmE 217)*

**Visualization of Inundation by Sea Level Rise: The case of Navotas City**

*Ronaldo Gatchalian, Bonifacio Comandante III (GmE 210)*

**Visualization of Predicted Future Flood Scenarios vis-a-vis Urban Growth: The case of Nagpayong-Lupang Arenda**

*Lennie Dili-dili, Leigh Lingad (GmE 210)*

**3D Visualization-Assisted Hospital Facility Management**

*Avenger Maslog, April Cubio (GmE 210)*

CWTS Presentations

**Project 1. Creating Spatially Enabled Websites for Communities: Barangay Krus na Ligas**

**Project 2. Creating Spatially Enabled Websites for Communities: Barangay UP Campus (Amorsolo)**

**Project 3. Creating Spatially Enabled Websites for Communities: UP Campus Core**

Undergraduate Thesis Defense

**...More to come**