

Geosciences

DEPARTMENT OF
PHYSICS AND
GEOSCIENCES

Newsletter- Special Issue on Student Internship

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Program News

Inside This Issue:

TAMUK offered Instructors Training of GIS for Local High Schools and Community Colleges



Dr. Yu and the Geosciences program at TAMUK offered instructors GIS training for local high schools and community colleges. During a 2 week period, from July 21st to August 2nd, 8 instructors have taken intensive GIS and GPS training as a preparation for teaching the introductory GIS courses at their location. As a part of training, the team of instructors were provided lecture notes, hands-on exercises, detail lectures of the contents, and the resourc(o)-3i [a]-6.2(c)-0.7(qu)-6.2(ir)-7.7(e)-6.1(p) ones he was working on and attended meeting where remediation measure discussed.

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"This was a great opportunity and a very good experience. I was able to see how GIS is used in real work environments and show what a useful tool it is to have. I learned a lot about processes that are involved with environmental restoration and had fun while on site visits. They have many internship opportunities and even expressed interest in rehiring me"

Government Internships (Forest and Park Services)



Sam Cantu (senior) worked as a cartographic technician with the US Forest Service's Intermountain Region Office in Ogden, UT. At the office, he mainly geo-referenced old scanned maps that contained flight paths and photo centers of aerial photography. Sam also selected candidate locations for GCPs based on topographic maps, existing aerial photography, and Digital Elevation Models (DEMs). In the field, he helped lay out targets at or near the candidate locations which looked like an X placed on the ground. Then he surveyed the center of that target with a survey-grade

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Billy Hales (Senior) and Orlando Gonzales (Junior) participated to the multi-institution Hyperspectral project for Mission Aransas National Estuarine Research Reserve to represent Texas A&M University – Kingsville. To acquire very expensive high quality remote sensing image over the area, it is very critical to calibrate the original data with ground-truth data. They have been in the field with Differential GPS and