



MEETING AGENDA

GIS Advisory Committee Meeting

Friday, April 29, 2021
5:30 PM to 6:15 PM, Virtual-Zoom

Attendees:

Wing Cheung (Palomar College)
Tien Tran (City of Vista)
Alex Sainz (GEOinovo)
Luciane Musa (GEOinovo)
Kari Palm (County of San Diego)

Steve Crook (Palomar College)
Julie Burkhart (Mammoth Community Water District)
Jeremy Zagarella (Pala Band of Mission Indians)
Megan Sayles (Navy)
Monique Larragoitia (City of Carlsbad)
Abe Coughlin (City of Escondido)

A. Agenda and meeting discussion items

ID	Time	Item title	Participants
1	5:30-5:40	Welcome and introductions	All
2	5:40-5:45	Review and approval of previous meeting minutes	All
3	5:45-6:00	Palomar program and curriculum updates <ul style="list-style-type: none"> • Summer semester offerings <ul style="list-style-type: none"> ○ GEOG 197: Working with Arcade Expressions in ArcGIS • Fall semester offerings <ul style="list-style-type: none"> ○ Intro GIS / Database Management and Data Acquisition / GIS Internship / Remote Sensing and Drone Data Processing • Spring semester offerings <ul style="list-style-type: none"> ○ Intro GIS / Python / Intermediate GIS / [a specialized concentration class] / GIS Internship • What's new in the Program? https://palomar.curricunet.com/Report/Program/GetReport/1541?reportId=147 Ideas for new classes?	All
4	6:00-6:15	Industry trends <ul style="list-style-type: none"> • Job market outlook and career advice 	All

B. Outcomes and remarks of discussion items

ID	Remarks/Outcomes/Concerns
1	Advisory members briefly introduced themselves, their affiliations, as well as their experience with GIS.
2	There were no questions or comments. Alex motioned to approved the minutes and Kari seconded. The minutes were approved unanimously.
3	<p>Wing announced the offering of new course on Arcade Expression. Kari, Alex, and Jeremy mentioned how Arcade expression was used in their respective workplaces recently for mapping and labeling purposes.</p> <p>Wing reviewed upcoming fall and spring GIS class offerings, as well as new electives that were added to the GIS program. When the committee was asked what specialized concentration classes or electives should be added to the programs, the two main topics that came up were (1) system architecture and (2) utilities:</p> <ol style="list-style-type: none"> (1) Abe, Jeremy, Kari, Alex, and Luciane all commented that students should be introduced to system architecture and the system backend, including how to set up ArcGIS Portal/Enterprise, different levels of web security and web certificate, and basic data/web security concepts. This requires students and instructors to have direct access to (virtual or physical) servers in the learning environment as well as required licenses, so they can not only learn how to set up a GIS server in the enterprise environment, but also understand the different security and performance concerns. (2) Monique, Abe, and Alex mentioned that future GIS graduates need to be familiar with the basic concepts in a utility network, and the modeling and configuration of rules in a utility network. <p>For GIS technician level positions, Tien and Alex mentioned that the ability to read and understand As-Builts is crucial, while Kari emphasized that students should have experience with parcel fabric.</p>
4	<p>In term of career advice and desirable skills for GIS job seekers:</p> <ul style="list-style-type: none"> • Jeremy mentioned that he seeks applicants who are proficient in basic tools found in the ArcGIS Pro application. • Kari, Alex, and Julie emphasized the need for students to be comfortable with Microsoft Excel, and the ability to clean and format messy GIS data. • Megan added that students should be motivated, independent thinkers who are capable of troubleshooting problems. • Abe, Monique, Alex, and Megan mentioned that today's GIS-centric positions are increasingly specialized, shifting from the technician to the analyst level. Technician level tasks such as basic editing is being sent to contractors or interns in other departments (e.g. engineering, public works). Competitive GIS job seekers should have an understanding of system architecture and some professional experience in the GIS industry.

Active Action Items

Assigned To	Start Date	Due Date	Status	Item Description & Notes
All			Open	Seek out internship opportunities for Palomar students & introduce projects for service learning.