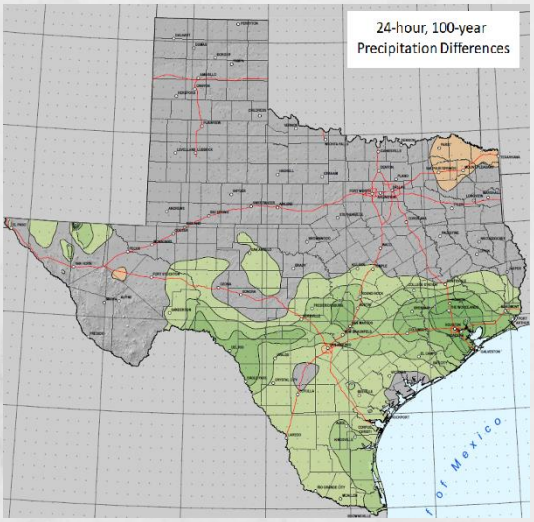
Environmental and Water Resources Engineering Seminar Series Presents:

Thursday, February 22nd 2024, 3:30-4:30pm, CPE

TEXAS

Floodplain Modeling, Mapping, and Stormwater Design- Planning for the Future of Severe Weather



The publication of NOAA Atlas 14 in October of 2018 and the resultant change in our understanding of extreme rainfall events in the Austin area has prompted the need for a comprehensive update of the City's floodplain modeling and mapping. Additionally, infrastructure continues to age throughout the City while development and population growth rapidly increase. The City is planning for the future, and Halff is engaged in efforts to assist.

This presentation will provide details of the tasks to be performed related to Phase 1 of the Atlas 14 Floodplain Study for Area 3 Modeling effort and for the Shoal-Nueces Storm Drain Improvements Preliminary Engineering Report.

Katherine Smith P.E.

Project Manager at Halff Associates, Inc.

Katherine Smith is a project manager at Halff on the Water Resources team in South Austin. She has worked on numerous hydrologic and hydraulic (H&H) studies throughout central Texas. She has technical experience with modeling and mapping software such as HEC-RAS, HEC-HMS, and ArcGIS. She is well-versed with the Texas Water Development Boards' Flood Infrastructure Fund program and is currently working on one in Williamson County. She has also worked on multiple FEMA Mapping Activity Statements, including one for the Wilbarger Creek and Alum Creek watersheds.

Jopert Gavino, P.E.

Project Manager at Halff Associates, Inc.

Jopert Gavino is a project manager at Halff on the Water Resources team in South Austin. He has worked on numerous H&H studies throughout the greater Austin area. He has technical experience with modeling software such as Innovyze ICM, HEC-HMS, and ArcGIS. Having previously interned with the City of Austin's Watershed Protection Department, Jopert is both well-versed in and closely aligned with the City's efforts to reduce flood risk for its inhabitants.

EWRE Seminar Committee Members: Claire Baldus, Priyanshu Gupta, Elle Henson, Mila Otegui, Zijie Zheng
Supervising Faculty: Dr. Ben Hodges