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Scott Hagen received his Ph.D. in Civil Engineering from the University of Notre Dame in May of 1998. In 2012 he was promoted to Professor at the University of Central Florida, has a P.E. with the State of Florida, and is a Diplomate of both Coastal and Water Resources Engineering. Dr. Hagen is a member of the Board of Governors for the ASCE/Coasts, Oceans, Ports and Rivers Institute and served as Chair of the Coastal & Estuarine Hydroscience committee. In he chaired and hosted the 10th International Conference on Hydroscience & Engineering where he was awarded the Outstanding Achievement Award for Advancement of the State-of-the-Art.

Dr. Hagen has established a well-funded research program in coastal hydroscience in a traditional engineering department. The primary focus is on massively parallel, high performance computational modeling of ocean, coastal, and inland astronomic and meteorological (i.e., wind and pressure variations) tides and flows. His team is developing geospatial data fusion techniques that use high-resolution satellite imagery to assess and improve coastal and estuarine models. His recent efforts expand into transport and biological modeling, particularly with respect to the coastal dynamics of sea level rise. Also important is his contribution to pedagogical research, environmental education and outreach.

Scott is conducting scientific research that is applied through engineering to benefit society. For example, he leads a team that includes UCF graduate students working in conjunction with industry and government counterparts to develop coastal inundation models in direct support of FEMA flood plain mapping for the Florida panhandle and the Alabama coastal areas and participates on the FEMA team covering the east Florida / Georgia coasts. Output from the models that his team has and are developing will ultimately determine FEMA digital flood insurance rate maps, which will play a substantial role in defining how Florida coastal regions will be developed. His present focus on the coastal dynamics of sea level rise is aiding coastal planners around the State of Florida.