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# Coastal Coupling Community of Practice Webinar Series

November 2, 2021

1:30 - 3:00 pm CT

[www.weather.gov/watercommunity](http://www.weather.gov/watercommunity)

# Agenda

1. **Yu Zhang (University of Texas at Arlington)** - Using an NWM-Delft3D coupled modeling system for assessing interactions between riverine and coastal waters during major TC-induced flooding events along the SE Texas Coast
2. **Tom Foster (DHI Water and Environment)** - Utilizing a Foundation of Model Integration Examples of Coupled Coastal Flood Modeling DHI Water & Environment
3. **Patrick Tripp (RPS Group)** - Cloud Sandbox
4. Discussion
5. Future opportunities

# Yu Zhang



- Associate professor in UT Arlington's Civil Engineering Department.
- Previously spent ten years as a project scientist in the NWS OWP leading efforts in improving forcings and hydrologic predictions.
- M.S. and PhD from Princeton University.
- He is the current editor for AMS Journal of Hydrometeorology and has served as associate editor for Journal of Hydrology.
- [yu.zhang@uta.edu](mailto:yu.zhang@uta.edu)

# Tom Foster



- DHI Vice President of Coastal & Marine Infrastructure, Americas
- MSc in River, Estuary and Coastal Engineering, Imperial College of Science and Technology, University of London
- DIC with Distinction, River Morphology, Imperial College of Science and Technology, University of London
- Early work focused on numerical models supporting coastal protection and shoreline management
- Recent work focused on marine and coastal infrastructure development projects

# Patrick Tripp



- Senior software engineer at RPS Group
- Leading IOOS cloud sandbox development
- B.S. in Computer Science from UC San Diego
- [patrick.tripp@rpsgroup.com](mailto:patrick.tripp@rpsgroup.com)

# Future Engagements

Date	Engagement	Location	Other information
Dec 13-18	AGU Fall Meeting	New Orleans, LA (and virtual)	<a href="https://www.agu.org/Fall-Meeting">https://www.agu.org/Fall-Meeting</a>
Feb 27-Mar 4	Ocean Sciences Meeting	Virtual	<a href="https://www.aslo.org/osm2022/">https://www.aslo.org/osm2022/</a>
Apr 22-24	American Water Resources Association	University of Alabama campus	<a href="https://www.awra.org/Members/Events_and_Education/Events/2022_Spring_Conference/2022_Spring_Conference.aspx">https://www.awra.org/Members/Events_and_Education/Events/2022_Spring_Conference/2022_Spring_Conference.aspx</a>
May	CC CoP Annual Meeting		
June 19-24	Frontiers in Hydrology	San Juan, PR	Session proposals open in September <a href="https://www.agu.org/FIHM">https://www.agu.org/FIHM</a>

**Thank you!**

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