**Agenda**

**Coastal Science and Engineering Collaborative (CSEC) Workshop**

**5-6 OCT 2017**

**Texas A&M Galveston**

**BLDG 3034 Main Academic Complex**

**Room 202**

**Galveston, TX**

**Directions:**

<http://www.tamug.edu/directions.html>

**Dialin: 1-877-336-1839; Access Code: 2885788; Security Code: 2017; (USA Caller Paid/International Toll: 636-651-0008);** [**https://www.teleconference.att.com/servlet/AWMlogin**](https://www.teleconference.att.com/servlet/AWMlogin)

**Purpose:** Explore and establish common interests for partnering on coastal science and engineering academics, research and development, and practice, for timely infusion of innovative technical products to support lifecycle coastal infrastructure systems management decisions in practice.

**Objectives:**

* Report on ongoing activities for identification of additional opportunities
* Strengthen and broaden collaboration among organizations in CSEC
* Identify crossover working relationships in coastal science and engineering
* Identify action items for joint organization follow up with future event planning

**Day 1 – Technical Discussions & CSEC Program Collaboration and Status (5 OCT 2017 1300 - 1700):**

1. Intro, review of minutes, and action items from prior meeting (1300-1330 hrs). Rob Thomas/SWG.
2. Status and next steps of near-, mid-, and long-term project collaboration initiatives – 10-15 minutes each (1330-1700 hrs). **BREAK AS NEEDED.**
3. Galveston Bay benthic substrate (historic oyster shell mining pit capping) and ecosystem restoration. Tom White/SWG.
4. Ongoing SWG/ERDC/TAMU Joint Monitoring of Placement Area Dike. Tom White/SWG.
5. Fate and Transport of Nearshore Berms at South Padre Island. Brandon Hill/City of South Padre Island (SPI).
6. Developing Natural and Nature Based Features (NNBF) performance evaluation and interpretation practices on the Texas coast. LiDAR indices extraction and resiliency ranking measures. Kelly Burks-Copes/Paul Hamilton/SWG.
7. Establishment of Novel Texas Gulf Coast Beach Erosion Management Best Practices. Coraggio Maglio/SWG, Rueben Trevino/Galveston Park Board of Trustees (GPBT).
8. Texas Gulf Coast Engineered Dune Performance Evaluation: Overview of set-up for a rapid response measuring plan of coastal dynamics during storms. Jens Figlus/TAMU.
9. Galveston sand management and back/bypassing study update. Coraggio Maglio/SWG & Ruben Trevino/GPBT
10. New Topic Based on Berts awesome new IPA. Bert Sweetman/TAMU.
11. Dredging Industry Partnership to Advance Innovative Dredging Technologies/Engineering with Nature Initiatives. Todd Bridges/ERDC.
12. S&T Program for Life Cycle Analysis of Coastal Barriers. Engineered Resilient Systems application, Rob Thomas/SWG, Simon Goerger/ERDC, and Ray Newby/GLO. - TBD
13. New topics for integrating inland FRM and ongoing CSRM initiatives, Shahidul Islam/SWG.
14. Analysis of Dredged Material Use for applications to support Agricultural land Use and Development, Liv Haselbach; Lamar University
15. The Enhanced Tide Model for Navigation and Dredging Operations in Shallow Water Bodies, Thomas Huff, TAMU
16. Beach-fx and G2CRM, Dylan Sanderson, ERDC
17. Coupling of inland hydrology and coastal models. Mark Wahl, ERDC

**Dinner social at Wilie G’s (1845-2100 hrs).**

**Day 2 – CSEC Program Collaboration, Status and Management (6 OCT 2016):**

1. Continuation of Project Initiatives as needed (0830 – 1000)

**Break (1000-1015 hrs).**

1. Discussion of Application Focus Areas (1015 – 1030). Rob Thomas/SWG and all.
2. Round Table Discussion for New Initatives if we didn’t already cover it (1030-1130). All
3. CSEC Program Management Plan Update (1130-1145 hrs). Edmond Russo/SWG.
4. Engineering with Nature (EWN) course curriculum development (1145 – 1200). Bert Sweetman/TAMU and all

**Lunch (1200-1300 hrs). TAMUG Cafeteria**

1. Strategy Development for CSEC value proposition (1300 - 1400)
   1. Public CSEC Forum: Potential ASBPA integration. Rob Thomas/SWG & Ruben Trevino/GPBT
   2. Statement of Need Development. Rob Thomas/SWG
2. General Discussion/Makeup for previous items (1400-1500)

**Break (1500-1515 hrs).**

1. Recap of identified CSEC partnering action items for follow up (1515-1545). Rob Thomas/SWG and Edmond Russo/SWG.
2. Establishment of next meeting’s purpose, objectives, date, and location (1545-1600). All.

**Adjourn (1600 hrs).**

**Workshop Participants (living listing, C = confirmed to participate):**

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Notes:

1. Computer and projector will be provided.
2. Bring presentations on hard drives
3. Presentations are due at the start of the break before your session
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