

Published Articles

1. Wernette, P., Lehner, J., and **Houser**, C. (Online First). What is 'real'? Identifying erosion and deposition in context of spatially variable uncertainty. Submitted to *Geomorphology*, April 2019.
2. Wernette, P., Houser, C., Lehner, J., and Weymer, B. (Online First, 2020) Investigating the Impact of Hurricane Harvey and Driving on Beach-Dune Morphology. Submitted to *Geomorphology*, March 2019.
3. **Houser**, C., Lehner, J., Wernette, P., and Cherry, N. (2019). Machine learning analysis of rip current warnings and rescues at Pensacola Beach, Florida. *Natural Hazards and Earth System Sciences*, 19, 2541-2549.
4. **Houser**, C., Vlodarchyk, B., and Wernette, P. (2019) Short Communication: Public Interest in Rip Currents Relative to other Natural Hazards: Evidence from Google Search Data. *Natural Hazards*, 97, 1395-1405.
5. Vlodarchyk, B., Olivito, A., and **Houser**, C. (2019) Spatial and temporal variation of surf drownings in the Great Lakes: 2010-2017. *Journal of Coastal Research*, Online First.
6. Barrineau, P., Dobрева, I., Bishop, M.P., and **Houser**, C. (2019). Deconstructing aeolian landscapes. *Catena*, 174, 452-468.
7. Wernette, P., **C. Houser**, B. Weymer, M.P. Bishop, M. Everett, and B. Reece. (2018) Long-range dependence in framework geology: Implications for barrier island resiliency. *Earth Surface Dynamics*, 6, 1139-1153.
8. Menard, A.D., **Houser**, C., Brander, R.W., Trimble, S., and Scaman, A. (2018) The psychology of beach users: importance of confirmation bias, action and intention to improving rip current safety. *Natural Hazards*, 94, 953-973.
9. Clifford, K., M., Brander, R.W., Trimble, S., and **Houser**, C. (2018) Beach safety knowledge and understanding of visiting international study abroad students to Australia. *Tourism Management*, 69, 487-497.
10. **Houser**, C. (2018) ESEX Communication: Barrier Response to Sea Level Rise and Storms. *Earth Surface Processes and Landforms*, 43, 2481-2483.
11. Wernette, P., S. Thompson, R. Eyler, H. Taylor, C. Taube, C. Decuir, A. Medlin, and C. **Houser**. (2018) Defining dunes: Evaluating how dune feature definitions impact dune interpretations from remote sensing. Submitted to *Journal of Coastal Research*, October 2017.
12. Weymer, B.A., Everett, M.E., Wernette, P., and **Houser**, C. (2018) Statistical modeling of the long-range dependent structure of barrier island framework geology and surface geomorphology. *Earth Surface Dynamics*, 6, 431-450.

13. **Houser**, C., Nunez, J., and Miller, K.C. (2018) Pathways to the Geosciences through 2YR Community Colleges: A Strategic Recruitment Approach being used at Texas A&M University. *Journal of Geoscience Education*, 66, 4-11.
14. **Houser**, C., Wernette, P., and Weymer, B. (2018) Scale dependent behavior of the foredune. *Geomorphology*, 303, 362-374.
15. Wernette, P., **Houser**, C., Weymer, B.A., Everett, M., Bishop, M.P., and Reece, B. (2018) Influence of a spatially complex framework geology on island geomorphology. *Marine Geology*, 398, 151-162.
16. Llopis, I., Echeverria, A.G., Trimble, S., Brannstrom, C., and **Houser**, C., (2018) Determining Beach User Knowledge of Rip Currents in Costa Rica. *Journal of Coastal Research*, 34, 1105-1115.
17. **Houser**, C. and Lemmons, K. (2018) Implicit bias in letters of recommendation for an undergraduate research internship. *Journal of Further and Higher Education*, 42-585-595.
18. **Houser**, C., Bishop, M., and Wernette, P. (2017) Short Communication: Multi-scale topographic anisotropy patterns on a barrier island. *Geomorphology*, 297, 153-158.
19. **Houser**, C., Bishop, M., and Lemmons, K., (2017) Teaching Complex concepts in physical geography through analytical reasoning. *Journal of Geoscience Education*, 65, 263-271.
20. **Houser**, C., Trimble, S., Brander, R., Brewster, B.C., Dusek, G., Jones, D., and Kuhn, J. (2017). Public Perceptions of a Rip Current Hazard Education Program: 'Break the Grip of the Rip!'. *Natural Hazards and Earth Systems Science*, 17, 1003-1024
21. Jewell, M., **Houser**, C., Trimble, S., (2017) Phases of blowout initiation and stabilization on Padre Island revealed through ground-penetrating radar and remotely sensed imagery. *Physical Geography*, 38, 556-577.
22. **Houser**, C., Brander, R., Brannstrom, C., Trimble, S., and Flaherty, J. (2016) Case Study of Rip Current Knowledge amongst Students Participating in a Study Abroad Program. *Frontiers: The Interdisciplinary Journal of Study Abroad*, XXVIII, 42-60.
23. Weymer, B.A., Everett, M.E., **Houser**, C., Wernette, P., and Barrineau, P. (2016) Differentiating tidal and groundwater dynamics from barrier island framework geology: Testing the utility of portable multi-frequency electromagnetic induction profilers. *Geophysics*, 81(5), E347-E361
24. Wernette, P., **Houser**, C., and Bishop, M., (2016) Technical Communication: An automatic approach for extracting barrier island morphology from digital elevation models. *Geomorphology*, 262, 1-7.

25. Barrineau, P., Dobroveya, I., Bishop, M., and **Houser**, C. (2016) Deconstructing polygenetic landscapes through a multi-scale analysis of a digital elevation model for the South Texas Sand Sheet. *Geomorphology*, 258, 51-57.
26. Brannstrom, C. and **Houser**, C. (2015) Riding the rip. *Journal of Geography in Higher Education*, 39, 527-542. doi: 10.1080/03098265.2015.1084497.
27. Pelletier, J.D., Murray, A.B., Pierce, J.L., Bierman, P.R., Breshears, D.D., Crosby, B.T., Ellis, M., Foufoula-Georgiou, E., Heimsath, A.M., **Houser**, C., Lancaster, N., Marani, M., Merritts D.J., Moore, L.J., Pederson, J.L., Poulos, M.J., Rittenour, T.M., Rowland, J.C., Ruggerio, P., Ward, D.J., Whipple, K.X., Wickert, A.D., and Yager, E.M. (2015) Forecasting landscape response to future climate and land-use changes: An assessment. *Earth's Future*, 3, 220-251.
28. **Houser**, C., Murphy, T. and Labude, D., (2015) Alongshore correspondence of beach users and rip channels at Pensacola Beach, Florida. *Natural Hazards*, 78, 2175-2183.
29. **Houser**, C., Garcia, S., and Torres, J. (2015) Effectiveness of Geosciences Exploration Summer Program (GEOX) for increasing awareness and knowledge of Geosciences. *Journal of Geoscience Education*, 63, 116-126.
30. Weymer, B.A., **Houser**, C., and Giardino, R. (2015) Poststorm evolution of beach-dune morphology: Padre Island National Seashore, Texas. *Journal of Coastal Research*, 31, 634-644.
31. Arozarena, I., **Houser**, C., Gutierrez Echeverria, A. and Brannstrom, C. (2015) The rip current hazard in Costa Rica. *Natural Hazards*, 77, 753-768.
32. **Houser**, C., Bishop, M.P. and Barrineau, P. (2015) ESEX: Characterizing the instability of aeolian landscapes using analytical reasoning. *Earth Surface Processes and Landforms*, 40, 696-705.
33. **Houser**, C., Wernette, P., Rentschler, T., Jones, H., Hammond, B. and Trimble, S. (2015) Post-storm beach and dune recovery: implications for barrier island resilience. *Geomorphology*, 234, 54-63.
34. Weymer, B., Everett, M.E., de Smet T.S., and **Houser**, C. (2015) Review of Electromagnetic Induction for Mapping Barrier Island Framework Geology. *Sedimentary Geology*, 321, 11-24.
35. **Houser**, C., Trimble, S., and Morales, B. (2015) Influence of blade flexibility on the drag coefficient of aquatic vegetation. *Estuaries and Coasts*, 38, 569-577.
36. Brannstrom, C., **Houser**, C., Lee, H., Trimble, S., and Santos, A. (2015) "You can't see them from sitting here:" Evaluating beach user understanding of a rip current warning sign. *Applied Geography*, 56, 61-70.

37. **Houser**, C. Lemmons, K. and Cahill, T. (2014) Assessment of student and faculty mentor perceptions of an international undergraduate research program in physical geography. *Journal of Geography in Higher Education*, 38, 582-594.
38. **Houser**, C., D'Ambrosio, T., Smith, B., Bouchard, C., Darbonne, K., Hunter, S., and Heyman, W. (2014) Shoreline change between 1960 and 2012 within the Sapadilla Cayes Marine Park, Mesoamerican Barrier Reef, Belize. *Physical Geography*, 35, 335-354.
39. Jewell, M., **Houser**, C., Trimble, S. (2014) Initiation and evolution of blowouts within Padre Island National Seashore. *Ocean and Coastal Management*, 95, 156-164.
40. Brannstrom, C., Trimble, S., Santos, A., and Lee, H., and **Houser**, C., (2014) Beach user ability to identify a rip current and hazardous surf conditions. *Natural Hazards*, 72, 1123-1138.
41. Lamont, M.M., and **Houser**, C., (2014) Spatiotemporal distribution of loggerhead turtle nests and impacts from coastal armoring along a highly dynamic beach in the northern Gulf of Mexico. *Journal of Experimental Marine Biology and Ecology*, 453, 98-107.
42. Johnson, J., Cairns, D., and **Houser**, C. (2013) Coastal marsh vegetation assemblages of Galveston Bay: insights for the East Texas Chenier Plain. *Wetlands*, 33, 861-870.
43. **Houser**, C., Arnott, R., Ulzhöfer, S., and Barrett, G (2013) Nearshore Circulation over Transverse Bar and Rip Morphology with Oblique Wave Forcing. *Earth Surface Processes and Landforms*, 38, 1269-1279.
44. **Houser**, C. (2013) Alongshore variation in beach-dune morphology: Implications for barrier island response. *Geomorphology*, 199, 48-61.
45. Sherman, D.J., Hales, B., Potts, B., Liu, H., Ellis, J., and **Houser**, C. (2013) Impacts of Hurricane Ike on the beaches of the Bolivar Peninsula, Texas, USA. *Geomorphology*, 199, 62-81.
46. **Houser**, C., Lemmons, K., and Cahill, T. (2013) Role of the faculty mentor in undergraduate research experiences. *Journal of Geoscience Education*, 61, 297-305.
47. Sherman, D.J., **Houser**, C., Ellis, J.T., Farrell, E.J., Li, B., and Maia, L.P. (2013) Characterization of Aeolian streamers using time-average videography. *Journal of Coastal Research* SI65, 1331-1336.
48. Caldwell, N., **Houser**, C., and Meyer-Arendt, K. (2013) Ability of beach users to identify rip currents at Pensacola Beach, Florida. *Natural Hazards*, 68, 1041-1056.
49. Sherman, D., **Houser**, C., and Baas, A. (2013) Electronic field equipment in process geomorphology. In: John F. Shroder (ed.) *Treatise on Geomorphology*, 14, pp. 195-221. San Diego: Academic Press.

50. **Houser, C.**, and Ellis, J. (2013) Morphodynamic Systems: Beach and Dune Interaction. *In: John F. Shroder (ed.) Treatise on Geomorphology*, 10, pp. 267-288. San Diego: Academic Press.
51. **Houser, C.** (2013) Flow separation over a prograding beach step at Pensacola Beach, Florida. *Journal of Coastal Research*, 29, 1247-1256.
52. **Houser, C.**, Labude, B., Haider, L., and Weymer, B. (2012) Impacts of Driving on the Beach: Case Studies from Assateague Island and Padre Island National Seashores. *Ocean and Coastal Management*, 71, 33-45.
53. **Houser, C.** (2012) Technical Communication: Monitoring bed elevation change in aeolian environments using ultrasonic distance sensors. *Aeolian Research*, 6, 75-82.
54. **Houser, C.** (2012) Feedback between ridge and swale bathymetry and barrier island storm response and transgression. *Geomorphology*, 173/174, 1-16.
55. Ezer, T., Heyman, W.D., **Houser, C.**, and Kjerfve, B (2012) Extreme flows and unusual water level rise near a Caribbean coral reef: was this a case of a “perfect storm”? *Ocean Dynamics*, 62, 1043-1057.
56. Barrett, G., and **Houser, C.** (2012) Identifying hot spots of rip current activity using wavelet analysis at Pensacola Beach, Florida. *Physical Geography*, 33, 32-49.
57. **Houser, C.**, Brannstrom, C., Quiring, S., and Lemmons, K. (2011) Study abroad field trip improves test performance through engagement and new social networks. *Journal of Geography in Higher Education*, 35, 513-528.
58. **Houser, C.** (2011) Sediment resuspension by vessel-generated waves along the Savannah River, Georgia. *Journal of Waterway, Port, Coastal and Ocean Engineering*, 137, 246-257.
59. McKinney, N., **Houser, C.**, and Meyer-Arendt, K (2011) Direct and indirect mortality in Florida during the 2004 hurricane season. *Journal of Biometeorology*, 55, 533-546.
60. **Houser, C.**, Barrett, G., and Labude, D. (2011) Alongshore variation in the rip current hazard at Pensacola Beach, Florida. *Natural Hazards*, 57, 501-523.
61. **Houser, C.**, and Mathew, S. (2011) Variability in foredune height depends on the alongshore correspondence of transport potential and sediment supply. *Geomorphology*, 125, 62-72.
62. Ezer, T., Heyman, W.D., **Houser, C.**, and Kjerfve, B. (2011) Modeling and observations of high-frequency flow variability and internal waves at a Caribbean reef spawning aggregation site. *Ocean Dynamics*, 61, 581-598.
63. Legates, DR, Mahmood, R, Levia DF, DeLiberty TL, Quiring, S, **Houser, C.**, and Nelson, F.E. (2010) Soil Moisture: A central and unifying theme in Physical Geography. *Progress in*

Physical Geography, 35, 65-86.

64. **Houser**, C. and Barrett, G. (2010) Divergent behavior of the swash zone in response to different foreshore slopes and nearshore states. *Marine Geology*, 271, 106-118.
65. **Houser**, C., and Hill, P. (2010) Wave attenuation across an intertidal sand flat: implications for mudflat development. *Journal of Coastal Research*, 26, 403-411.
66. **Houser**, C., and Hill, P. (2010) Sediment Transport on Roberts Bank: A Sandy Intertidal Flat on the Fraser River Delta. *Journal of Coastal Research*, 26, 333-341.
67. **Houser**, C. (2010) Relative importance of vessel and wind waves to salt marsh erosion at Fort Pulaski National Monument. *Journal of Coastal Research*, 26, 230-240.
68. **Houser**, C. (2009) Synchronization of transport and supply in beach-dune interaction. *Progress in Physical Geography*, 33, 733-746. doi:10.1177/0309133309350120
69. Bradley, K., and **Houser**, C. (2009) Relative velocity of seagrass blades: Implications for wave attenuation in low energy environments. *Journal of Geophysical Research, Earth Surface*, 114, F01004, doi: 10.1029/2007JF000951.
70. **Houser**, C. and Barrett, G. (2009). Wave-scale changes in bed elevation of an intermediate foreshore. *Journal of Coastal Research*, SI 56, 64-68.
71. **Houser**, C., and Hamilton, S. (2009) Sensitivity of post-hurricane beach and dune recovery to event frequency. *Earth Surface Processes and Landforms*, 34, 613-628.
72. **Houser**, C. (2009) Geomorphological controls on road damage during Hurricanes Ivan and Dennis. *Journal of Coastal Research*, 25, 558-568.
73. **Houser**, C., Hapke, C. and Hamilton, S., (2008) Controls on Coastal Dune Morphology, Shoreline Erosion and Barrier Island Response to Extreme Storms. *Geomorphology*, 100, 223-240.
74. **Houser**, C., Hobbs, C. and Saari, B. (2008) Post-hurricane airflow and sediment transport over a recovering dune. *Journal of Coastal Research*, 24, 944-953.
75. **Houser**, C., and Greenwood, B. (2007) Onshore migration of a swash bar. *Journal of Coastal Research*, 23, 1-14.
76. Greenwood, B., Permanand-Schwartz, A., and **Houser**, C. (2006) Emergence and migration of a nearshore bar: Sediment flux and morphological change on a multi-barred beach in the Great Lakes. *Geographie Physique et Quaternaire*, 60, 31-47.
77. **Houser**, C., Greenwood, B., and Aagaard, T. (2006) Divergent Response of an Intertidal Swash Bar. *Earth Surface Processes and Landforms*, 31, 1775-1791.

78. Liebens, J., Mohrherr, C., Rao, K., and **Houser, C.** (2006) Magnitude, spatial distribution and origin of pollution in an urban bayou. *Water, Air and Soil Pollution*, **174**, 235-263.
79. **Houser, C.**, and Greenwood, B. (2005) Hydrodynamics and sediment transport within the inner surf zone of a lacustrine multiple-barred nearshore. *Marine Geology*, **218**, 37-63.
80. **Houser, C.**, and Greenwood, B. (2005) Profile response of a lacustrine multiple-barred nearshore to a sequence of storm events. *Geomorphology*, **69**, 118-137.
81. Gough, B., and **Houser, C.** (2005) Climate memory and long-range forecasting of sea ice conditions in Hudson Strait. *Polar Geography*, **29**, 17-26.
82. Bauer, B., **Houser, C.**, and Nickling, W.G. (2004) Analysis of velocity profiles from wind tunnel experiments with saltation. *Geomorphology*, **59**, 81-98.
83. **Houser, C.**, and Gough, B. (2004) Variations in Sea Ice in the Hudson Strait: 1971-1999. *Polar Geography*, **1**, 1-14.
84. **Houser, C.**, and Nickling, W.G. (2000) The emission and vertical flux of PM₁₀ from a clay-crust surface. *Sedimentology*, **48**, 255-267.
85. **Houser, C.**, and Nickling, W.G. (2000) The factors influencing the abrasion efficiency of saltating grains. *Earth Surface Processes and Landforms*, **26**, 491-505.

Books and Textbooks

1. Davidson-Arnott, R., Bauer, B.O., and **Houser, C.** (2019) *Introduction to Coastal Processes and Geomorphology* 2nd Edition. 523 pp.
2. Giardino, R., and **Houser, C.** (Eds) (2015) *Principles and Dynamics of the Critical Zone*. Elsevier, p. 674.

Book Chapters

1. **Smith, A., Lunardi, B., George, E., and Houser, C. (2020). Monitoring Storm Impacts on Sandy Coastlines with UAVs. In *Spatial Variability in Environmental Science-Patterns, Processes, and Analyses*. IntechOpen.**
2. Trimble, S., and **Houser, C.** (2018). Seawalls and signage: how beach access management affects rip current safety. In: *Beach Management Tools*, edited by O. Cervantes, Springer, 497-524.
3. **Houser, C.**, Barrineau, P., Hammond, B., Saari, B., Rentschler, E., Trimble, S., Wernette, P., Weymer, B., and Young, S. (2018) Role of the foredune in controlling barrier island response to sea level rise. *Barrier Islands*, edited by Moore, L., and Murray, B., pp. 175-203.

4. Giardino, J.R., and **Houser**, C. (2015) Introduction to the Critical Zone. In: *Principles and Dynamics of the Critical Zone*, edited by **Houser**, C., and Giardino, R., Elsevier, pp. 1-13.
5. Barrineau, P., Wernette, P., Trimble, S., Weymer, B., Hammond, B., and **Houser**, C. (2015). Critical zone of coastal barrier islands. In: *Principles and Dynamics of the Critical Zone*, edited by **Houser**, C., and Giardino, R., pp. 497-522.
6. Bishop, M., Dobreva, I., and **Houser**, C. (2015). Remote sensing of process domains in the critical zone. In: *Principles and Dynamics of the Critical Zone*, edited by **Houser**, C., and Giardino, R., Elsevier, pp. 523-562.
7. **Houser**, C., Caldwell, N., and Meyer-Arendt, K. (2011) Hot times at Hot spots: The rip current hazard at Pensacola Beach, Florida. Invited submission to refereed book *Rip Currents: Beach Safety, Physical Oceanography and Wave Modeling*, edited by Steven Leatherman and John Fletemeyer, CRC Press, pp 175-198.
8. **Houser**, C., (2010) Response and Recovery of the National Seashores to Extreme Storms: Sensitivity to the Frequency of Storm Events. In: *National Parks: Vegetation, Wildlife and Threats*, Nova Publishers.

Conference Proceedings

1. Weymer, B.A., Barrineau, P., **Houser**, C., Everett, M., and Jewell, M. (2013) Using GPR and EM to characterize barrier island transgression along the Texas Coast. *Coastal Geophysics Workshop*, Austin, Texas, September 2013.
2. Jewell, M., Weymer, B., **Houser**, C., Everett, M., and Barrineau, P. (2013) Characterizing coastal dune blowouts using GPR in combination with LiDAR and historical aerial photographs. *Coastal Geophysics Workshop*, Austin, Texas, September 2013.
3. **Houser**, C., Hamilton, S., Meyer-Arendt, K., and Oravetz, J. (2006) EOF analysis of barrier island morphological change during Hurricane Ivan. *Coastal Sediments '07*, May 2006.
4. Shaw, A., **Houser**, C., Hill, P. and Lintern, G. (2005) Predicting tidal flat profile response to climate change and associated sea level rise. *Proceedings of the 2005 Canadian Coastal Conference*. November 2005, Halifax, Nova Scotia.
5. Greenwood, B., and **Houser**, C., (2005) Wave set up, undertow and frequency dependent sediment flux on a multi-barred lacustrine shoreface. *International Coastal Symposium*. April 2005, Hornafjörður, Iceland.
6. Shaw, A.L., Lintern, D.G., Hill, P.R., **Houser**, C., (2005) Factors Controlling Tidal Flat Response to Sea Level Rise: Roberts Bank, British Columbia, Canada. Proceedings, Coastal Dynamics 2005, 5th International Conference, April 4-8, 2005, Barcelona, Spain (ed. A.

Sanchez-Arcilla) (doi 10.1061/40855(214)40).

7. Hill, P.R., **Houser**, C., Lintern, D.G., Shaw, A., Solomon, S., Sutherland, T., Levings, C., and Tansey, J. (2004). Sensitivity of the Roberts Bank tidal flats (Vancouver, Canada) to climate change and anthropogenic alteration. *Delivering Sustainable Coasts: Connecting Science and Policy, Proceedings of Littoral 2004*, Cambridge Publications, p. 648-649.
8. **Houser**, C., and Greenwood, B. (2003) Role of secondary (harmonic) wave generation in the morphodynamics of a multiple-barred nearshore. *Proceedings of the 2003 Canadian Coastal Conference*. October 2003, Kingston, Ontario.
9. **Houser**, C., and Greenwood, B. (2003) Response of a nearshore to a sequence of storm events. *Coastal Sediments, 2003*. May 2003, Clearwater, Florida.
10. Greenwood, B., **Houser**, C., Aagaard, T. & Nielsen, J., (2003b): Storm Surge in the Danish Wadden Sea Intertidal Zone: hydrodynamics and sediment transport. *Proceedings Coastal Sediments '03*, Clearwater, Florida, ASCE, New York, CD-ROM, 14 pp.
11. Bauer, B., **Houser**, C., and Nickling, W.G. (2002) Analysis of velocity profiles from wind tunnel experiments with Saltation. *International Conference on Aeolian Research*. July 2002, Lubbock, Texas.
12. Greenwood, B., **Houser**, C., Aagaard, T., and Nielsen, J. (2001) Storm Surge in the Danish Wadden Sea: Sediment Flux and Morphodynamic Response on the Upper Shoreface. *Proceedings of the 2001 Canadian Coastal Conference*. May 2001, Quebec City, Quebec.

Invited Conference Presentations

1. **Houser**, C. Alongshore Variation in Beach and Dune Coupling. *American Geophysical Union Annual Meeting*, San Francisco, December 9-15, 2019.
2. **Houser**, C., Wernette, P., and Weymer, B. Scale dependent behavior of the foredune: Implications for barrier island response to storms and sea level rise. *European Geophysical Union Annual Meeting*, Vienna, April 16-20, 2017.
3. **Houser**, C., Wernette, P., and Weymer, B. Scale dependent behavior of the foredune: Implications for barrier island response to storms and sea level rise. *American Geophysical Union Annual Meeting*, San Francisco, December 9-13, 2015.
4. **Houser**, C. Post-storm recovery as a control on barrier island resilience and management. *Dune Management Challenges on Developed Coasts*, Kitty Hawk, North Carolina, October 26-28, 2015.
5. **Houser**, C. Impacts of driving on the beach at Padre Island National Seashore: Implications for island response to sea level rise. *Texas Beaches and Dunes: Science and Management*

Forum, Corpus Christi, September 24-25, 2015.

6. **Houser, C.** Variation in coastal dune morphology: Implications for storm response. *Binhampton Geomorphology Conference*, Newark New Jersey, October 17-20, 2013.
7. **Houser, C.** Recovery as the key to barrier island resiliency. *NSF Workshop on Landscape Response to Climate Change*, Tuscon, Arizona, September 24-27, 2013.
8. **Houser, C., Weymer, B., Trimble, S., and Barrineau, P.** Interaction of beach, dune and nearshore systems: implications for barrier island morphology. *American Geophysical Union Annual Meeting*, San Francisco, December 9-13, 2013.
9. **Houser, C. and Hill, P.** Wave attenuation and sediment transport over an intertidal sand flat on the Fraser River Delta. *American Geophysical Union Annual Meeting*, San Francisco, December 11-17, 2010.
10. **Houser, C.** Response and recovery of a barrier island to extreme storms. *Geological Society of America*, Denver, Colorado, October 31-November 4, 2010.
11. **Houser, C., Caldwell, N., and Meyer-Arendt, K.** Hot times at Hot spots: The rip current hazard at Pensacola Beach, Florida. *First International Symposium on Rip Currents*, Miami, Florida, February 17-19, 2010.