

Dr. James C. Gibeaut PG

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Harte Research Institute

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Education

PhD, University of South Florida, 1991.

MS, University of Rhode Island, 1986.

BS, Ohio State University, 1983.

Licensures and Certifications

Federal Security Clearance, SECRET level, inactive, U.S. Government. (2003 - Present).

Open-Water Diver, NAUI and PADI. (1987 - Present).

Professional Geologist, registration #4851, Texas Board of Professional Geoscientists. (2005 - 2013).

Professional Employment

Director, Gulf of Mexico Research Initiative Information and Data Cooperative (GRIIDC). (August 2011 - Present).

Director of major scientific data management program in the Gulf of Mexico

Endowed Chair for Geospatial Sciences and Associate Professor of Geology, Harte Research Institute for Gulf of Mexico Studies, Texas A&M University-Corpus Christi. (September 2010 - Present).

- Research
- Academics
- Conservation Leadership

Endowed Associate Research Professor in Geospatial Sciences, Harte Research Institute for Gulf of Mexico Studies, Texas A&M University-Corpus Christi. (September 2007 - September 2010).

Research Associate, Bureau of Economic Geology, The University of Texas at Austin. (July 1992 - August 2007).

Head of Coastal Studies Group. Researching coastal processes to develop models of coastal change including the effects of climate change and relative sea-level rise on coastal environments. Developing and applying new techniques for coastal mapping and change analysis including Global Positioning System Surveys, airborne synthetic aperture radar, airborne topographic lidar, and GIS.

Visiting Assistant Professor, University of South Florida. (August 1991 - June 1992).

Supervising students, research assistants, and technicians in conducting coastal research including beach-nourishment monitoring and sand-source studies. Teaching advanced graduate course in coastal sedimentology.

Chief of Science and Data Management for the Exxon Valdez Oil Spill, Alaska Department of Environmental Conservation. (November 1990 - July 1991).

Supervising employees and contractors responsible for collection and analysis of data concerning the Exxon Valdez oil spill. Representing State of Alaska to Federal Technical

Advisory Group (TAG). Advising Federal On-Scene Coordinator on matters concerning survey and cleanup techniques.

Geological Consultant, Alaska Department of Environmental Conservation. (July 1990 - October 1990).

Field surveys describing geology and oiling of study sites in spill impact area. Analyzing geologic and oiling data. Creating detailed evaluations of selected sites in Prince William Sound by comparing data sets collected by various groups using different methods including the use of a geographic information system (GIS).

Geological Consultant, National Oceanographic and Atmospheric Administration (NOAA). (September 1989 - March 1990).

Field team leader for NOAA's Exxon Valdez Oil Spill Winter Monitoring Program in Prince William Sound, Alaska. In charge of collecting geological, chemical, and biological data at selected sites through winter, under difficult logistical and environmental conditions. Coordinating use of ships and helicopters to complete surveying.

Research and Teaching Associate, University of South Florida. (August 1986 - December 1989).

Coastal research along Florida's west coast including field, office, and laboratory work. Extensive literature search for data concerning tidal inlets along Florida's west coast. Field surveys of inlets. Developing morphodynamic models of tidal inlets and final report for use by coastal zone planners. Assisting development and implementation of beach surveying and sediment sampling plans for major beach renourishment monitoring projects. Teaching "Introduction to Oceanography" to 100 science and nonscience majors (2 semesters).

Geological Consultant, Alaska Department of Fish and Game. (July 1989 - September 1989).

Assessing habitat damage by Exxon Valdez oil spill in Prince William Sound and Kenai Peninsula—locating, geologically assessing, and surveying study sites for biological sampling. Advisor on study plan.

Research and Teaching Associate, University of Rhode Island. (September 1983 - June 1986).

Statistically analyzing and interpreting beach profiles measured over 24 years. Developing beach sedimentation models for south shore of Rhode Island for coastal management. Developing and teaching laboratory courses in introductory geology.

Petty Officer First Class (E6), United States Coast Guard. (July 1975 - September 1979).

Professional Memberships

SEPM (Society for Sedimentary Geology)
American Geophysical Union
Sigma Xi, The Scientific Research Society

TEACHING

Teaching Experience

CMSS 5392, THESIS I: THESIS PROPOSAL
CMSS 5940, THESIS PROJECT RESEARCH
CMSS 6308, COASTAL GEOENVIRONMENTS CHANGE
CMSS 6330, SPATIAL SYSTEM SCIENCE
CMSS 6596, Directed Independent Study: Coastal Geoenvironments
CMSS 6699, DISSERTATION DEFENSE

CMSS 6940, DISSERTATION PROJECT RESEARCH
CMSS 6996, RESEARCH
CMSS 6998, DISSERTATION RESEARCH
CMSS 6999, DISSERTATION DEFENSE
ESCI 5292, THESIS I: THESIS PROPOSAL
ESCI 5293, THESIS II: THESIS RESEARCH
ESCI 5294, THESIS III: THESIS SUBMISSION
ESCI 5345, LIVING WITH COASTAL HAZARDS
ESCI 5392, THESIS I: THESIS PROPOSAL
ESCI 5393, THESIS II: THESIS RESEARCH
ESCI 5394, THESIS III: THESIS SUBMISSION
ESCI 5397, DIRECTED RESEARCH
ESCI 5490, ADV TOPICS: Coastal Environments and Change
ESCI 5596, D.I.S: Coastal Geoenvironments and Change
ESCI 5940, PROJECT RESEARCH
GEOL 5308, COASTAL ENVIRONMNTS AND CHANGE

Non-Credit Instruction

Environmental Sensitivity Index and Mapping Shoreline Oiling, Texas A&M University - Corpus Christi. (November 2010).
Geo-Environments of Mustang Island and North Padre Island, Texas: Status Trends, and Environmental Management of a Barrier-Island System, Gulf of Mexico Alliance. (April 2009).
Dune Protection and Beach Management, American Society of Civil Engineers. (April 2008).
Geo-Environments of Mustang Island and North Padre Island, Texas: Status Trends, and Environmental Management of a Barrier-Island System, American Association of Petroleum Geologists/ Society for Sedimentary Geology (SEPM). (April 2008).
Tracking Past and Projecting Future Geoenvironmental Changes on Barrier Islands, Gulf Coast Association of Geological Sciences. (October 2007).
Galveston geohazards, City of Galveston. (December 2006).
Hazards and Natural Resources of the Texas Gulf Coast: Building the Bridge between Science and Policy, Bureau of Economic Geology, The University of Texas at Austin. (September 2006).
CEPRA Coastal Erosion Project sites in Galveston and Brazoria Counties, Texas General Land Office. (September 2005).
Lidar surveys for coastal hazards and resource mapping, National Oceanographic and Atmospheric Administration. (July 2003).
Coastal Monitoring Technology, Texas General Land Office. (October 1999).
Coastal Processes along the Upper Texas Coast, Geology Foundation, The University of Texas at Austin. (October 1996).
Residual Shoreline Oil in Prince William Sound and Kodiak, Exxon. (November 1995).
Natural and Unnatural Evolution of Tidal Inlets, U.S. Army Corps of Engineers. (1992).
Spring 1991 Oiling Conditions, Exxon Corporation. (April 1991).
Hillsborough County Schools Summer Institute for Earth Sciences. (June 1989).
Long-Term Beach Monitoring Programs, Southwest Florida Coastal Research Center, Mote Marine Laboratory. (January 1989).
Hillsborough County Schools Summer Institute for the Earth Sciences. (June 1988).
Geology of Caladesi Island, Florida, Hillsborough County Schools. (June 1988).

SCHOLARLY AND CREATIVE ACTIVITIES

Publications

Refereed

Journal Articles

Wood, J., Moretzsohn, F., Gibeaut, J. (2015). Extending marine species distribution maps using non-traditional sources. *Biodiversity Data Journal*.
<http://bdj.pensoft.net/articles.php?id=4900>

Journal Article

Su, L., Gibeaut, J. (2013). *An inter-sensor calibration and atmospheric correction system for long-term time series of AVHRR imagery for coastal waters* (vol. 50, pp. 184-195). *GIScience & Remote Sensing*.

Taylor, E. B., Gibeaut, J. (2013). *Geohazards map of Mustang and North Padre Islands, Texas* (3rd ed., vol. 81, pp. 38 - 42). *Shore & Beach*.

Non-Refereed

Conference Proceedings

Su, L., Gibeaut, J. (2013). *Mapping Seagrass Meadows in Redfish Bay with WorldView-2 Imagery*. Baltimore, Maryland: American Society for Photogrammetry and Remote Sensing (ASPRS), 2013 Annual Conference.

Journal Articles

Feagin, R. A., Smith, W. K., Psuty, N. P., Young, D. R., Martinez, L. M., Carter, G. A., Lucas, K. L., Gibeaut, J., Gemma, J. N., Koska, R. E. (2010). Barrier islands: coupling anthropogenic stability with ecological sustainability. *Journal of Coastal Research* 26(6), 987-992.
www.cerf-jcr.org

Hepner, T. L., Gibeaut, J. (2004). Tracking post-storm beach recovery using data collected by Texas high school students. *Shore & Beach* 72(4), 5-9. www.asbpa.org

Paine, J. G., White, W. A., Smyth, R. C., Andrews, J. R., Gibeaut, J. (2004). Mapping coastal environments with lidar and EM on Mustang Island, Texas, U.S. 23(9), 894-898.

Warne, A. G., Meade, R. H., White, W. A., Guevara, E. H., Gibeaut, J., Smyth, R. C., Aslan, A., Tremblay, T. A. (2002). Regional controls on geomorphology, hydrology, and ecosystem integrity in the Orinoco Delta, Venezuela. 44, 273-307.

Gibeaut, J., Gutierrez, R., Hepner, T. (2002). Threshold conditions for episodic beach erosion along the southeast Texas coast. 52, 323-335.

Aslan, A., Warne, A. G., White, W. A., Guevara, E. H., Smyth, R. C., Raney, J. A., Gibeaut, J. (2001). Mud volcanoes of the Orinoco delta, eastern Venezuela. 41, 323-336.

Gutierrez, R., Gibeaut, J., Smyth, R. C., Hepner, T., Andrews, J. R., Weed, C., Gutelius, B., Mastin, M. (2001). Precise airborne LIDAR surveying for coastal research and geohazards applications. 34(3/W4), 185-192.

Crawford, M. M., Kumar, S., Ricard, M. R., Gibeaut, J., Neuenschwander, A. (1999). Fusion of airborne polarimetric and interferometric SAR for classification of coastal environments. 37(3), 1306-1315.

Gutelius, B., Carter, W. E., Shrestha, R. L., Medvedev, E., Gutierrez, R., Gibeaut, J., Crawford, M., Smith, S. (1998). Engineering applications of airborne scanning lasers. *64*(4), 246-253.

Gibeaut, J., Gutierrez, R., Kyser, J. (1998). Increasing the accuracy and resolution of coastal bathymetric surveys. *14*(3), 1082-1098.

Gibeaut, J., Gutierrez, R., Kyser, J. (1998). Increasing the accuracy and resolution of coastal bathymetric surveys. *14*(3), 1082-1098.

Morton, R. A., Gibeaut, J., Paine, J. G. (1995). Meso-scale transfer of sand during and after storms: implications for prediction of shoreline movement. *126*, 161-179.

Morton, R. A., Paine, J. G., Gibeaut, J. (1994). Stages and durations of post-storm beach recovery, southeastern Texas coast, U.S.A. *10*(4), 884-908.

Gibeaut, J., Davis, R. A. (1993). Statistical geomorphic classification of ebb-tidal deltas along the west-central Florida coast. (18), 165-184.

Davis, R. A., Gibeaut, J., Andronaco, M. (1990). Formation and development of a tidal inlet from a washover fan, west-central Florida coast. *65*, 87-94.

Abstract

Gibeaut, J., Taylor, E. B., Del Angel, D., Reisinger, A. A., Starek, M. J. (2014). *Living with Sea Level Rise on Texas Barrier Islands* (vol. Abstract ID:15545). Honolulu, Hawaii: Ocean Sciences Meeting, American Geophysical Union (AGU).
<http://www.eposters.net/pdfs/living-with-sea-level-rise-on-texas-barrier-islands.pdf>

Starek, M. J., Fernandez-Diaz, J. C., Singhanian, A., Gibeaut, J., Shrestha, R. L., Su, L., Reisinger, A., Lord, A. (2013). *Bathymetric Lidar Mapping of Seagrass Distribution within Redfish Bay State Scientific Area, Texas: Invited*. American Geophysical Union (AGU) Meeting of the Americas, Cancun, Mexico, May 2013.

Starek, M. J., Gibeaut, J., Del Angel, D. (2013). *Multitemporal Lidar Assessment of Hurricane Ike Impact and Recovery along the Upper Texas Coast*. National Conference on Beach Preservation Technology, Jacksonville, FL February 2013.

Starek, M. J., Mitsova, H., Hardin, E., Blundell, B., Gibeaut, J. (2012). *Space-Time Cube Visualization of Landscape Dynamics with Lidar Time Series Data: Invited*. USACE 13th Annual Coastal Charting and Mapping Workshop, Chicago, June 2012.

Barraza, E., Francis, J. M., Gibeaut, J., Yoskowitz, D. W. (2012). *Ecosystem services on a sandy barrier island: a geographic representation*. Sixth NOAA Education Partnership Program Forum. www.sgmeet.com/cerf2011/files/cerf2011_abstract_book.pdf

Reisinger, A. S., Caudle, T. L., Gibeaut, J. (2010). *Hurricane Ike beach and foredune impacts* (26th ed., vol. 91, pp. Abstract GO24A-07). American Geophysical Union, EOS Transactions.

Gibeaut, J., Barraza, E., Radosavljevic, B. (2010). *Projecting the Impacts of Relative Sea-Level Rise and Erosion on Texas Barrier Islands and Planning for the Future* (26th ed., vol. 91, pp. Abstract OS23C-04). American Geophysical Union, EOS Transactions, Meeting of the Americas Supplement.

Gibeaut, J., Barraza, E. (2010). *Coastal Hazards Maps: Actionable Information for Communities Facing Sea-Level Rise* (pp. Abstract NH11D-05). American Geophysical Union, Fall Meeting, AGU, San Francisco, California, 13 - 17 December.

Barraza, E., Gibeaut, J. (2010). *How would a more resilient Galveston Island look?* (pp. Abstract PA42A-07). American Geophysical Union, Fall Meeting, AGU, San Francisco, California, 13 - 17 December.

Su, L., Gibeaut, J. (2009). *Extracting surface features of the Nueces River Delta using LiDAR points* (pp. p. 29). Port Aransas, Texas: Proceedings of the Texas Bays and Estuaries Meeting, April 28-30, University of Texas Marine Science Institute.

Reisinger, A. S., Tissot, P., Hicks, D. W., Gibeaut, J. (2009). *Neural network spatial model for salinity in Bahia Grande* (pp. p. 18). Port Aransas, Texas: Proceedings of the Texas Bays and Estuaries Meeting, April 28-29, University of Texas Marine Science Institute.

Gibeaut, J. (2009). *Projecting impacts of relative sea-level rise, erosion, and storms on Galveston Bay barrier islands* (pp. p. 65). Galveston, Texas: Proceedings of the Ninth Biennial State of the Bay Symposium, Galveston Bay Estuary Program Texas Commission on Environmental Quality.

Booklet includes conferences, publications and other outreach materials

Yoskowitz, D. W., Leon, C., Gibeaut, J., Lupher, B., Lopez, M., Santos, C., Sutton, G., McKinney, L. (2013). *Gulf 360: State of the Gulf of Mexico* (pp. 52). Corpus Christi, Texas: Harte Research Institute for Gulf of Mexico Studies. <http://www.gulf360.org/>

Commentary

Gibeaut, J. (2007). *Coastal development: the Galveston case, part I*. Geotimes.

Gibeaut, J. (2007). *Coastal development: the Galveston case, part II*. Geotimes.

Educational Poster

Gibeaut, J., White, W. A. (2004). *The Texas coastal environment: living with the dynamic forces of nature*. Bureau of Economic Geology, Jackson School of Geosciences, The University of Texas at Austin.

Other Publications

Su, L., Gibeaut, J. (2012). *An Inter-sensor Calibration and Atmospheric Correction System for Long-term Time Series of AVHRR HRPT data*. Sacramento, California: American Society for Photogrammetry and Remote Sensing (ASPRS), 2012 Annual Conference.

McLaughlin, R. J., Gibeaut, J. (2010). *Beach construction setback rule is more important after flawed ruling (Contributed)*. Corpus Christi, Texas: Corpus Christi Caller Times.

Su, L., Gibeaut, J. (2010). *An Improved Classification Approach for Lidar Point Clouds on Texas Coastal Areas* (Part 4 ed., vol. XXXVIII). Orlando, Florida: International Society of Photogrammetry and Remote Sensing (ISPRS).

Gibeaut, J., Barraza, E., Radosavljevic, B. (2010). *Estuarine Wetland Habitat Transition Induced by Relative Sea-Level Rise on Mustange and North Padre Islands, Texas: Phase I* (pp. 52). Corpus Christi, Texas: Coastal and Marine Geospatial Laboratory, Harte Research Institute, Texas A&M University - Corpus Christi, A Report of the Texas Coastal Coordination

Council pursuant to National Oceanic and Atmospheric Administration Award No. NA07NOS4190144.

Gibeaut, J., Caudle, H., Andrews, J. C. (2009). *Virtual Barrier Island*. coastal.beg.utexas.edu/thscmp/vbi.htm

Su, L., Gibeaut, J. (2009). *Extracting Surface Features of the Nueces River Delta Using Lidar Points*. San Antonio, Texas: American Society for Photogrammetry and Remote Sensing (ASPRS), 2009 Fall Conference.

Gibeaut, J. (2003). *Lidar: mapping a shoreline by laser light* (11th ed., vol. 48, pp. 23-27). Geotimes.

Research Reports

McLaughlin, R. J., McKinney, L., Tunnell, J. W., Shirley, T., Montagna, P. A., Stunz, G. W., Gibeaut, J., Yoskowitz, D. W. (2011). *Texas Coastal Management Program Section 309 Assessment and Strategies Report for 2011-2015*. Texas General Land Office. www.glo.texas.gov/what-we-do/caring-for-the-coast/_documents/grants-funding/cmp/309-report-2011-2015.pdf

Technical Reports

Starek, M. J., Gibeaut, J., Del Angel, D. (2013). *Lidar-based assessment of Hurricane Ike volumetric recovery along the upper Texas coastline*. Corpus Christi, Texas: Coastal and Marine Geospatial Lab, Harte Research Institute, Prepared for HDR Engineering/Texas General Land Office. www.hartheresearchinstitute.org/geospace-main

Hepner, T., Gibeaut, J. (2004). *Texas High School Coastal Monitoring Program: Ball, Port Aransas, and Port Isabel High Schools, 2002/2003* (pp. 29). : The University of Texas at Austin, Bureau of Economic Geology.

White Paper for the Public

S.-L., Gibeaut, J. (2013). *The Risk of Rising Sea Level: Texas Universities Ready and Able to Help Coastal Communities Adapt* (pp. 7). Austin, Texas: Bureau of Economic Geology.

abstract

Wood, J. S., Gibeaut, J., Tunnell, J. W., Cho, H. J. (2012). *Hyperspectral remote species discrimination in optically shallow waters using AISA Eagle imagery, ENVI image processing software and ESRI's ArcGIS software*. Tallahassee, Florida: Sixth NOAA Education Partnership Program Forum.

Presentations

Gibeaut, J. (Author), Smith, L. H. (Author), Lumb, L. (Presenter), "Identifying key habitat conservation needs for the endangered whooping crane (*Grus Americana*) along the central Texas coast," NOAA Educational Partnership Program Education and Science Forum, NOAA, Princess Anne, Maryland. (October 28, 2014).

Gibeaut, J. (Author), Taylor, E. B. (Author), Dotson, M. (Presenter), "Probabilistic prediction of wetland response to sea level rise in the Galveston Bay, Texas area via a Bayesian network," NOAA Educational Partnership Program Education and Science Forum, NOAA, Princess Anne, Maryland. (October 28, 2014).

Gibeaut, J. (Author), Rittenhouse, M. R. (Presenter), "Sargassum: Ugly Invader or Coppice Mound Creator?," NOAA Educational Partnership Program Education and Science Forum, NOAA, Princess Anne, Maryland. (October 28, 2014).

Gibeaut, J. (Author), Martinez, M. (Presenter), "Short-Term Wetland Sediment Accretion Rates on Mustang Island, TX," NOAA Educational Partnership Program Education and Science Forum, NOAA, Princess Anne, Maryland. (October 28, 2014).

Starek, M. J. (Author & Presenter), Bridges, D. (Author), Gibeaut, J. (Author), Tissot, P. (Author), "Unmanned Aerial System for Coastal Reconnaissance of the Near-shore Zone," ASPRS Annual Conference, American Society for Photogrammetry and Remote Sensing, Louisville, KY. (March 25, 2014).

Gibeaut, J. (Author & Presenter), Nichols, W. (Author), "GOMAportal: Access to Geospatial Data for the Gulf of Mexico," 2013 All-Hands Meeting, Gulf of Mexico Alliance, Tampa, Florida. (June 26, 2013).

Gibeaut, J. (Author & Presenter), "North Padre and Mustang Island Geohazards Project," Monthly Meeting, Coastal Bend Bays Foundation, Corpus Christi, Texas. (May 6, 2013).

Gibeaut, J. (Author & Presenter), "Projecting Geo-environmental Change Caused by Sea-Level Rise on Texas Barrier Islands: Information for Better Planning," Joint Penrose/Chapman Conference - Coastal Processes and Environments Under Sea-Level Rise and Changing Climate: Science to Inform Management, American Geophysical Union/Geological Society of America, Galveston, Texas. (April 17, 2013).

Gibeaut, J. (Author & Presenter), Del Angel, D. (Author), Radosavljevic, B. (Author), Starek, M. (Author), "Proposed Observatory for Understanding Coastal Wetland Change," Texas Mangrove Research Symposium, Mission-Aransas National Estuarine Research Reserve, Port Aransas, Texas. (February 28, 2013).

Rogers, S. (Author), Gibeaut, J. (Author), Gayanilo, F. (Author & Presenter), "Data Gap Analysis Framework for Objective-based Coastal and Marine Planning," Gulf of Mexico Oil Spill & Ecosystem Sciences Conference, Gulf of Mexico Research Initiative, New Orleans, Louisiana. (January 23, 2013).

Showalter, L. (Author & Presenter), Gibeaut, J. (Author), Gayanilo, F. (Author), "Digital Object Identifier (DOI) use for persistent citation of datasets," Gulf of Mexico Oil Spill & Ecosystem Sciences Conference, Gulf of Mexico Research Initiative, New Orleans, Louisiana. (January 23, 2013).

Gibeaut, J. (Author & Presenter), Gayanilo, F. (Author & Presenter), "Gulf of Mexico Research Initiative Information and Data Cooperative (GRIIDC)," Monterey Bay Aquarium Research Institute, Moss Landing, California. (November 28, 2012).

Gibeaut, J. (Author & Presenter), "Sea Level Rise:Expected impacts to the Natural Environment along the Texas Coast," Adaptation to Sea Level Rise: Minimizing Risk to the Built, Natural and Economic Environments along the Texas Gulf Coast, The University of Texas at Austin, Port Aransas, Texas. (September 18, 2012).

Gibeaut, J. (Author & Presenter), Lupher, B. (Author), "General Statistics and Maps of Offshore Platforms in the Gulf of Mexico," Idle Iron - Idle Opportunities Workshop, Harte Research Institute/Coastal Conservation Association, Houston, Texas. (September 12, 2012).

Gibeaut, J. (Author & Presenter), Barraza, E. (Author), Radosavljevic, B. (Author), "Projecting the Impacts of Relative Sea-Level Rise and Erosion on Texas Barrier Islands and Planning for the Future," Austin Geological Society, Austin, Texas. (May 7, 2012).

Radosavljević, B. (Author & Presenter), Gibeaut, J., Tissot, P., "Sea-Level Rise: Estuarine Wetlands of Mustang Island at Imminent Risk of Submergence," 2012 EGU General Assembly, European Geological Union, Vienna, Austria. (April 27, 2012).

Wood, J. S., Gibeaut, J., Tunnell, J. W., Cho, H. J., "Hyperspectral remote species discrimination in optically shallow waters using AISA Eagle imagery, ENVI image processing software and ESRI's ArcGIS software," Sixth NOAA education Partnership Program Forum, Tallahassee, Florida. (March 26, 2012).

Gibeaut, J. (Author & Presenter), "Sea Level Rise and Wetlands," Texas Wetlands Conference, CLE International, San Antonio, Texas. (February 9, 2012).

Gibeaut, J. (Author & Presenter), "The Role of Geographic Information Systems (GIS) in Understanding Coastal Change," 2011 SACNAS National Conference, SACNAS, Society for the Advancement of Chicanos and Native Americans in Science, San Jose, California. (October 28, 2011).

Gibeaut, J. (Author & Presenter), Barraza, E. (Author), "Coastal Hazards Maps: Actionable Information for Communities Facing Sea-Level Rise," American Geophysical Union Fall Meeting, American Geophysical Union, San Francisco, California. (December 13, 2010).

Gibeaut, J., "Impact of Relative Sea-Level Rise, Erosion, and Development on Barrier Island Habitats," Coastal Bend Audubon Society Meeting, Coastal Bend Audubon Society, Corpus Christi, Texas. (November 2, 2010).

Gibeaut, J. (Author & Presenter), Barraza, E. (Author), Radosavljevic, B. (Author), "Projecting the Impacts of Relative Sea-Level Rise and Erosion on Texas Barrier Islands and Planning for the Future," American Geophysical Union Meeting of the Americas, American Geophysical Union, Foz do Iguassu, Brazil. (August 10, 2010).

Gibeaut, J. (Panelist), "Shoreline Oiling," Panel Discussion on the BP Gulf of Mexico Oil Spill, Harte Research Institute, Texas A&M University - Corpus Christi, Corpus Christi, Texas. (June 25, 2010).

Gibeaut, J. (Panelist), "Shoreline Oiling," Panel Discussion on the BP Gulf of Mexico Oil Spill, Harte Research Institute, Texas A&M University - Corpus Christi, Corpus Christi, Texas. (June 11, 2010).

Radosavljevic, B. (Author & Presenter), Gibeaut, J. (Author), Tissot, P. (Author), "Vertical Accretion Rates in Estuarine Wetlands of Mustang Island, TX Using Cs-137," Texas Bays and Estuaries Meeting, The University of Texas Marine Science Institute, Port Aransas, Texas. (April 15, 2010).

Gibeaut, J. (Author & Presenter), Tremblay, T. A. (Author), Waldinger, R. (Author), Collins, E. W. (Author), Smyth, R. C. (Author), White, W. A. (Author), Hepner, T. L. (Author), Andrews, J. R. (Author), Gutierrez, R., "Developing a barrier island geohazards map: Galveston Island, Texas," International Conference on Sea Level Rise in the Gulf of Mexico, Harte Research Institute, Texas A&M University - Corpus Christi, Corpus Christi, Texas. (March 1, 2010).

Radosavljevic, B. (Author & Presenter), Gibeaut, J. (Author), "Vertical Accretion in Estuarine Wetlands of Mustang Island, TX as Determined by Cs-137 Gamma Spectroscopy," International

Conference on Sea Level Rise in the Gulf of Mexico, Harte Research Institute, Texas A&M University - Corpus Christi, Corpus Christi, Texas. (March 1, 2010).

Reisinger, A. S. (Author & Presenter), Gibeaut, J. (Author), Caudle, T. L. (Author), "Hurricane Ike beach and foredune impacts," Ocean Sciences Meeting, American Geophysical Union, Portland, Oregon. (February 23, 2010).

Gibeaut, J. (Author & Presenter), "Texas Barrier-Island Studies at the Harte Research Institute, Texas A&M - Corpus Christi," Texas Chapter of the American Shore and Beach Preservation Association Meeting, ASBPA, Port Aransas, Texas. (January 15, 2010).

Gibeaut, J. (Author & Presenter), "Projecting impacts of relative sea-level rise, erosion, and storms on barrier-island habitats," Climate Change: The Western Gulf Coast and Southern Plains Workshop, U.S. Fish and Wildlife Service, Austin, Texas. (August 12, 2009).

Gibeaut, J. (Author & Presenter), "Gulf of Mexico Alliance-multi-state data requirements," 86th Meeting of the Coastal Engineering Research Board, U.S. Army Corps of Engineers, San Diego, California. (June 3, 2009).

Reisinger, A. (Author & Presenter), Tissot, P., Hicks, D. W., Gibeaut, J., "A neural network spatial model for salinity in Bahia Grande," 2009 Texas Bays and Estuaries Conference, University of Texas Marine Science Institute, Port Aransas, Texas. (April 2009).

Gibeaut, J. (Author & Presenter), "Texas climate and coastal resource issues," Texas Climate Trends and Wildlife Conservation Conference, National Wildlife Federation, College Station, Texas. (April 21, 2009).

Gibeaut, J. (Author & Presenter), "Projecting impacts of relative sea-level rise, erosion, and storms on Galveston Bay barrier islands," Ninth Biennial State of the Bay Symposium, Galveston Bay Estuary Program, Galveston, Texas. (January 24, 2009).

Gibeaut, J. (Author & Presenter), "Hurricane Rita, Hurricane Ike, and the Next Storm," Board of Directors, Gulf of Mexico Foundation, Woodlands, Texas. (December 8, 2008).

Gibeaut, J. (Author & Presenter), "Impacts of Hurricane Rita on shoreline habitats in Texas," Gulf Coast Hurricane Conference, PIANC USA, Mobile, Alabama. (November 13, 2008).

Gibeaut, J. (Author & Presenter), "Hurricane Ike and the Next Storm," Harte Research Institute Advisory Council, Corpus Christi, Texas. (October 31, 2008).

Gibeaut, J. (Author & Presenter), "Projecting impacts of relative sea-level rise and erosion on Texas barrier-island environments," SSPEED Conference, Severe Storm Prediction and Global Climate Impact on the Gulf Coast, Rice University, Houston, Texas. (October 31, 2008).

Gibeaut, J. (Author & Presenter), "Tracking coastal change with topographic lidar," Texas GIS Forum, Austin, Texas. (October 29, 2008).

Gibeaut, J. (Author & Presenter), "Coastal hazards," Texas Coastal Conference, Corpus Christi, Texas. (October 16, 2008).

Gibeaut, J. (Author & Presenter), "Nueces Delta digital elevation model," Workshop of the Nueces Feasibility Study, U. S. Army Corps of Engineers, San Antonio, Texas. (June 10, 2008).

Gibeaut, J. (Author & Presenter), "Managing barrier-island development in the face of sea-level rise, storm impacts, and erosion," Corpus Christi Sunrise Rotary Club, Corpus Christi, Texas. (May 5, 2008).

Gibeaut, J. (Author & Presenter), "Managing barrier-island development in the face of sea-level rise, storm impacts, and erosion," Corpus Christi South Rotary Club, Corpus Christi, Texas. (April 30, 2008).

Gibeaut, J. (Author & Presenter), "Nueces Delta digital elevation model progress," City of Corpus Christi Rincon Bayou, Nueces Delta Studies Coordination Meeting. (February 15, 2008).

Gibeaut, J. (Author & Presenter), "Geohazards mapping: a tool for managing growth," Coastal Resiliency Priority Issues Team of the Gulf of Mexico Alliance, Corpus Christi, Texas. (December 12, 2007).

Gibeaut, J. (Author & Presenter), "Barrier-Island Geohazards," Harte Research Institute Advisory Council, Corpus Christi, Texas. (December 6, 2007).

Gibeaut, J. (Author & Presenter), "Geohazards mapping: a tool for barrier-island management," Harte Research Institute, Corpus Christi, Texas. (November 13, 2007).

Gibeaut, J. (Author & Presenter), "Geohazards mapping: a tool for managing growth," 10th Annual Southern and Caribbean Regional Meeting, NOAA, Lafayette, Louisiana. (November 5, 2007).

Gibeaut, J. (Author & Presenter), "Galveston Island geohazards map," Public Meeting of the City of Galveston Planning Commission, Galveston, Texas. (September 18, 2007).

Gibeaut, J. (Author & Presenter), "Sea-level rise and coastal wetland change," Gulf of Mexico Alliance Regional Restoration Coordination Team Workshop, Galveston, Texas. (May 22, 2007).

Gibeaut, J. (Author & Presenter), "Modeling future coastal wetland transition induced by relative sea-level rise," Coastal Sediments 2007 Conference, New Orleans, Louisiana. (May 16, 2007).

Gibeaut, J. (Author & Presenter), "Measuring the continuum of coastal environmental variability with remote sensing," XIII Brazil Symposium on Remote Sensing, Florianopolis, Brazil. (April 25, 2007).

Gibeaut, J. (Author & Presenter), "Using lidar-derived digital elevation models to project future barrier-island change caused by relative sea-level rise," XIII Brazil Symposium on Remote Sensing, Florianopolis, Brazil. (April 25, 2007).

Gibeaut, J. (Author & Presenter), "Sea-level rise and the transition of barrier-island geoenvironments," Harte Research Institute for Gulf of Mexico Studies, Corpus Christi, Texas. (April 4, 2007).

Gibeaut, J. (Author & Presenter), "Galveston Island geohazards map," Public Meeting of the Galveston City Council, Galveston, Texas. (March 8, 2007).

Gibeaut, J. (Author & Presenter), "Past and future wetland change on the barrier islands of the upper Texas coast," Texas Chapter of the American Fisheries Society workshop on Challenges to Conserving Texas Coastal Wetlands, Lake Jackson, Texas. (March 2, 2007).

Gibeaut, J. (Author & Presenter), "Impacts of sea-level rise, erosion, and development on the barrier islands of the upper Texas coast," Texas A&M University, College Station, Texas. (February 15, 2007).

Gibeaut, J. (Author & Presenter), "Impacts of sea-level rise, erosion, storms, and development on the barrier islands of the upper Texas coast," Coastal Bend Bays Foundation, Corpus Christi, Texas. (February 12, 2007).

Gibeaut, J. (Author & Presenter), "Impact of relative sea-level rise, erosion, and development on natural buffers: Galveston Island, Texas," Eighth Biennial State of the Bay Symposium, Galveston, Texas. (January 24, 2007).

Gibeaut, J. (Author & Presenter), "Sand resources of Sabine and Heald Banks, Texas," Texas General Land Office CT2020 Coastal Sand Sources Workshop, Austin, Texas. (November 2, 2006).

Gibeaut, J. (Author & Presenter), "Virtual reality model for visualizing coastal environments and sea-level change," Middle and High School Science Teachers' Workshop, Texas State Energy Conservation Office, Dallas, Texas. (November 1, 2006).

Gibeaut, J. (Author & Presenter), "Past and future wetland change on the barrier islands of the upper Texas coast," Texas Commission on Environmental Quality, Austin, Texas. (October 23, 2006).

Gibeaut, J. (Author & Presenter), "Texas coast susceptibility to storms and sea-level rise," Outreach Lecture Series, The University of Texas at Austin, Environmental Science Institute, Austin, Texas. (October 5, 2006).

Gibeaut, J. (Author & Presenter), "The Texas Gulf Coast," Clint Small Middle School, Austin, Texas. (August 24, 2006).

Gibeaut, J. (Author & Presenter), "Mapping geohazards on Galveston Island," Public Meeting of the Galveston City Council, Galveston, Texas. (July 27, 2006).

Gibeaut, J. (Author & Presenter), "Wetland habitat transition induced by relative sea-level rise," Galveston Bay Council, Clear Lake, Texas. (July 19, 2006).

Gibeaut, J. (Author & Presenter), "Geological survey of the Gulf shoreline following Hurricane Rita," Texas Coastal Law Conference, Galveston, Texas. (May 18, 2006).

Gibeaut, J. (Author & Presenter), "Texas shoreline change analysis and communicating the results to the public," Shoreline Change Conference II: a workshop on managing shoreline change, Charleston, South Carolina. (May 3, 2006).

Gibeaut, J. (Author & Presenter), "Changes in barrier island environments during sea-level rise," Sigma Xi Research Society, Texas A&M Chapter, College Station, Texas. (March 30, 2006).

Gibeaut, J. (Author & Presenter), "Beaches and dunes," Surfrider Foundation Central Texas Chapter, Austin, Texas. (February 1, 2006).

Gibeaut, J. (Author & Presenter), "Exploring and living with the dynamic Texas coast," Clint Small Middle School, Austin, Texas. (January 6, 2006).

Gibeaut, J. (Author & Presenter), "Patterns of Gulf of Mexico shoreline change in Texas," Technical Erosion Conference, Houston, Texas. (2005).

Gibeaut, J. (Author & Presenter), "Lidar applications in coastal research," Coastal Geography Graduate Class, Texas State University, San Marcos, Texas. (November 3, 2005).

Gibeaut, J. (Author & Presenter), "Wetland habitat transition induced by relative sea-level rise," Monitoring and Research Subcommittee of the Galveston Bay Council, Galveston Bay Estuary Program, Webster, Texas. (May 27, 2005).

Gibeaut, J. (Author & Presenter), "Status, historical trends, and modeling future change of barrier island estuarine marshes," State of the Bay Symposium, Galveston Bay Estuary Program, Houston, Texas. (January 25, 2005).

Gibeaut, J. (Author & Presenter), "Using airborne lidar to assess coastal environments," Texas Coastal Erosion Technical Conference, Galveston, Texas. (September 24, 2004).

Gibeaut, J. (Author & Presenter), "Modeling change in barrier island habitats during rising relative sea level," ASBPA Conference and Annual Meeting, New Orleans, Louisiana. (September 13, 2004).

Gibeaut, J. (Author & Presenter), "The Texas Shoreline Change Project: combining lidar, historical photography, and ground surveys to measure shoreline change rates along the bay and gulf shorelines," 14th Annual Texas GIS Forum & Training Conference, Austin, Texas. (April 1, 2004).

Gibeaut, J. (Author & Presenter), "Topographic variation of barrier island wetlands: implications for modeling change during rising relative sea level," 5th Biennial Texas Coastal Issues Conference, Corpus Christi, Texas. (March 10, 2004).

Gibeaut, J. (Author & Presenter), "The Texas Shoreline Change Project: combining lidar, historical photography, and ground surveys to measure shoreline change rates along bay and Gulf of Mexico shorelines," 3rd Biennial Coastal GeoTools Conference, Charleston, South Carolina. (2003).

Gibeaut, J. (Author & Presenter), "Coastal geological studies in support of coastal management," Coastal Geography Graduate Class, Texas State University, San Marcos, Texas. (October 23, 2003).

Gibeaut, J. (Author & Presenter), "Geotubes for temporary erosion control and storm surge protection along the Gulf of Mexico shoreline of Texas," Coastal Zone 03: Coastal Zone Management through Time, Baltimore, Maryland. (July 2003).

Gibeaut, J. (Author & Presenter), "Measuring shoreline change along bays and oceans using historical aerial photography and airborne topographic lidar surveys," Gulf Coast Association of Geological Societies Annual Conference. (2002).

Gibeaut, J. (Author & Presenter), "Shoreline change analysis using airborne lidar," Shoreline Change Conference, Charleston, South Carolina. (May 7, 2002).

Gibeaut, J. (Author & Presenter), "Effect of an artificial tidal inlet on shoreline change," Shoreline Change Conference, Charleston, South Carolina. (May 7, 2002).

Gibeaut, J. (Author & Presenter), "Mapping barrier island environments with lidar," Army Research Office/Topographic Engineering Center, Alexandria, Virginia. (May 6, 2002).

Gibeaut, J. (Author & Presenter), "Lidar coastal applications," Texas Water Development Board, Austin, Texas. (February 27, 2002).

Gibeaut, J. (Author & Presenter), "The Texas Shoreline Change Project: mapping techniques and patterns of change along the upper Texas Gulf of Mexico shoreline," Texas Parks and Wildlife Department, Austin, Texas. (February 5, 2002).

Gibeaut, J. (Author & Presenter), "GIS Applications and Research at the Bureau of Economic Geology," Texas Geographic Information Council Quarterly Meeting, Austin, Texas. (August 16, 2001).

Gibeaut, J. (Author & Presenter), "Airborne LIDAR at The University of Texas," Texas Geographic Information Systems Forum, Austin, Texas. (January 17, 2001).

Gibeaut, J. (Author & Presenter), "Shoreline mapping with airborne lidar," 2nd Biennial Coastal GeoTools '01 Conference, Charleston, South Carolina. (January 8, 2001).

Gibeaut, J. (Author & Presenter), "Episodic beach erosion hazard analysis and lidar surveys," First International Global Disaster Information Network (GDIN) Information Technology Conference. (2000).

Gibeaut, J. (Author & Presenter), "High school science education through fieldwork, collaboration using the Internet, and virtual reality models of the coastal zone," Austin Geological Society, Austin, Texas. (February 2000).

Gibeaut, J. (Author & Presenter), "Mapping shoreline change in Texas," Texas General Land Office, Austin, Texas. (February 2000).

Gibeaut, J. (Author & Presenter), "Mapping topography and bathymetry of barrier islands using airborne, terrestrial, and marine systems," AAPG Annual Convention. (1999).

Gibeaut, J. (Author & Presenter), "Mapping Shoreline Change in Texas," 13 Public Meetings convened by the Texas General Land Office, Texas coast. (July 1999).

Gibeaut, J. (Author & Presenter), "Topographic Mapping of Coastal Zones Using Airborne Laser and Radar Systems," United States Geological Survey, Center for Coastal Geology, St. Petersburg, Florida. (May 1999).

Gibeaut, J. (Author & Presenter), "The Texas high school coastal monitoring program," AAPG Annual Convention. (1998).

Gibeaut, J. (Author & Presenter), "High School Beach Monitoring Program: a pilot project in education, public awareness, and coastal management," Ocean Sciences Meeting. (1998).

Gibeaut, J. (Author & Presenter), "Mapping barrier islands using AIRSAR," Fourth International Conference on Remote Sensing for Marine and Coastal Environments, Orlando, Florida. (March 17, 1997).

Gibeaut, J. (Author & Presenter), "Geomorphic analysis and depositional environment mapping of barrier island systems using AIRSAR," American Geophysical Union Spring Meeting. (1996).

Gibeaut, J. (Author & Presenter), "Accurate and rapid bathymetric surveys for coastal research," Geological Society of America, South-Central Section, Annual Meeting. (1996).

Gibeaut, J. (Author & Presenter), "Mapping depositional environments on barrier islands using airborne synthetic aperture radar," Geological Society of America, South-Central Section, Annual Meeting. (1996).

Gibeaut, J. (Author & Presenter), "Shoreline oil from Exxon Valdez: change from 1991 to 1993," International Oil Spill Conference (Achieving and Maintaining Preparedness). (1995).

Gibeaut, J. (Author & Presenter), "High-accuracy bathymetric surveys for coastal research," SEPM (Society for Sedimentary Geology Congress, St. Pete Beach, Florida. (1995).

Gibeaut, J. (Author & Presenter), "Shallow-water, high-accuracy, high-resolution bathymetric surveying system," Water for Texas Conference. (January 1995).

Gibeaut, J. (Author & Presenter), "Classification of tidal inlets along a mixed energy coast," SEPM Annual Midyear Meeting. (1988).

Gibeaut, J. (Author & Presenter), "Beach sedimentation cycles (1962-1985) along a microtidal wave-dominated coast: south shore of Rhode Island," SEPM Annual Midyear Meeting. (1987).

Gibeaut, J. (Author & Presenter), "Beach profile variation (1962-1985) along a microtidal wave-dominated coast: south shore of Rhode Island," Geological Society of America, Northeast Section, Annual Meeting. (1986).

Contracts, Grants and Sponsored Research

Grant

Bridges, David (Co-Principal), Mahdy, Ahmed Mahmoud (Principal), Gibeaut, James (Co-Principal), Coffin, Richard (Co-Principal), Starek, Michael John (Co-Principal), "MRI: Development of an Integrated Gas Monitoring and Source Identification Unmanned Aircraft System for Exploration, Compliance and Assessment," Sponsored by National Science Foundation, Federal, \$539,998.00. (September 1, 2016 - August 31, 2019).

McLaughlin, Richard J. (Co-Principal), McKinney, Larry (Principal), Montagna, Paul A. (Co-Principal), Stunz, Gregory W. (Co-Principal), Yoskowitz, David W. (Co-Principal), Tunnell, John W (Co-Principal), Gibeaut, James (Co-Principal), Bretos, Fernando (Co-Principal), "Opportunities for Advancing Coastal and Ocean Monitoring and Conservation in Cuba," Sponsored by Lounsbery Foundation, Private, \$46,400.00. (2015 - 2016).

Gibeaut, James (Supporting), Montagna, Paul A. (Supporting), Yoskowitz, David W. (Co-Principal), Tunnell, John W (Co-Principal), Stunz, Gregory W. (Supporting), McLaughlin, Richard J. (Principal), "A Regional Ecosystem Approach for the Conservation and Sustainable Management of Coastal and Marine Resources," Sponsored by NOAA, Federal, \$2,599,650.00. (October 1, 2011 - September 30, 2016).

Gibeaut, James (Principal), "Marsh and Seagrass -Analysis of Coastal Wetland Vegetation Injury," Sponsored by NOAA/Industrial Economics Inc., Federal, \$212,442.00. (May 15, 2013 - September 23, 2016).

McLaughlin, Richard J. (Co-Principal), Gibeaut, James (Principal), Yoskowitz, David W. (Co-Principal), "Living with Sea-Level Rise in the Greater Houston Area," Sponsored by The Meadows Foundation, Private, \$135,700.00. (December 2014 - August 2016).

Gibeaut, James (Principal), Yoskowitz, David W. (Co-Principal), McLaughlin, Richard J. (Co-Principal), "Living with Sea-Level Rise in the Greater Houston Area," Sponsored by Houston Endowment, Private, \$720,000.00. (September 1, 2013 - August 31, 2016).

McLaughlin, Richard J. (Co-Principal), Montagna, Paul A. (Co-Principal), Gibeaut, James (Co-Principal), Tunnell, John W (Principal), Stunz, Gregory W. (Co-Principal), "Corpus Christi Desalination Pilot Study - Phase 2," Sponsored by Freese and Nichols Engineering, Private, \$100,144.00. (July 2, 2014 - December 31, 2015).

Kar, Dulal C (Principal), Tatum, Terry (Co-Principal), Gibeaut, James (Co-Principal), Xie, Feiqin (Co-Principal), Mehrubeoglu, Ruby (Co-Principal), Chen, Ruizhi (Co-Principal), "CC-NIE Networking Infrastructure: Establishing a Science DMZ for Research in Coastal, Marine, Atmospheric, Environmental, and Geospatial Computing Sciences," Sponsored by National Science Foundation, Federal, \$495,466.00. (October 1, 2013 - September 30, 2015).

Yoskowitz, David W. (Principal), Carollo, Cristina (Co-Principal), Cebrian, J. (Co-Principal), Gibeaut, James (Co-Principal), Krupnick, A. (Co-Principal), Montagna, Paul A. (Co-Principal), Nanez-James, Suraida (Co-Principal), Pollack, Jennifer (Co-Principal), Ritchie, J. (Co-Principal), "Ecosystem Services Provided by Gulf of Mexico Habitats: Tools, Valuation, and Application," Sponsored by Gulf of Mexico Regional Sea Grant Consortium, Federal, \$648,388.00. (2012 - 2014).

Gibeaut, James (Principal), Reisinger, Anthony (Principal), "NASA Earth & Space Fellowship," Sponsored by NASA, Federal, \$90,000.00. (September 1, 2011 - August 31, 2014).

Gibeaut, James (Principal), "Coastal Resources Data Gathering and Assessment for Coastal and Marine Spatial Planning," Sponsored by Texas General Land Office/NOAA, State, \$485,135.00. (July 1, 2012 - June 30, 2014).

Gibeaut, James (Principal), "Gulf of Mexico Research Initiative Information and Data Cooperative (GRIIDC)," Sponsored by Gulf of Mexico Research Initiative, Private, \$3,250,000.00. (May 1, 2011 - May 31, 2014).

Gibeaut, James (Principal), "Gulf of Mexico Alliance - Coordination of Ecosystem Integration and Assessment Priority Issue Team," Sponsored by GOMA/NOAA, Federal, \$36,000.00. (January 1, 2013 - December 31, 2013).

Gibeaut, James (Principal), Yoskowitz, David W. (Co-Principal), Stunz, Gregory W. (Co-Principal), "Evaluation of Ecosystem Services of Coastal Habitats," Sponsored by EPA (Gulf of Mexico Program), Federal, \$199,762.00. (2009 - 2013).

Gibeaut, James (Principal), Wood, John (Co-Principal), Nichols, William (Co-Principal), "Gulf Ecological Management Sites Restoration Portal," Sponsored by Gulf of Mexico Foundation/EPA, Federal, \$39,996.68. (April 4, 2013 - November 30, 2013).

Gibeaut, James (Principal), "Shoreline Type Mapping of the Central and Lower Texas Coast," Sponsored by Texas General Land Office, State, \$526,377.00. (September 1, 2011 - August 31, 2013).

Gibeaut, James (Principal), "GIS Analysis for Employing the Conservation Design Approach on Sea-Level Rise Impacts on Coastal Avian Habitats along the Central Texas Coast," Sponsored by International Crane Foundation/Gulf Coast Prairie LCC, Federal, \$20,000.00. (May 1, 2012 - June 30, 2013).

Gibeaut, James (Principal), "Shoreline Change and Beach/Dune Morphodynamics along the Gulf Coast," Sponsored by GLO/U.S. Department of Interior (MMS), State, \$180,000.00. (January 1, 2010 - June 6, 2013).

Gibeaut, James (Principal), "Mustang and North Padre Islands Geohazard Analysis," Sponsored by GLO/U.S. Department of Interior (BOEMRE), Federal, \$50,000.00. (March 1, 2011 - March 31, 2012).

Montagna, Paul A. (Principal), Gibeaut, James (Co-Principal), McLaughlin, Richard J. (Co-Principal), Shirley, Thomas (Co-Principal), Stunz, Gregory W. (Co-Principal), Yoskowitz, David (Co-Principal), Kim, H-K. (Supporting), Pollack, Jennifer Beseres (Supporting), "CAMEO:

Building the Foundation - An Integrative Approach to Managing the Dewatering of Estuaries," Sponsored by National Oceanic and Atmospheric Administration, Federal, \$454,181.00. (February 1, 2009 - January 31, 2012).

Gibeaut, James (Principal), "Shoreline Type Mapping of the Upper Texas Coast: Texas General Land Office, Oil Spill Response Division," Sponsored by Texas General Land Office, Oil Spill Response Division, State, \$513,684.30. (2009 - 2011).

Gibeaut, James, "Gulf of Mexico Alliance: Identification and Characterization of Gulf Habitats Priority Issues Team," Sponsored by NOAA Coastal Services Center, Federal, \$2,097,963.00. (2008 - 2011).

Gibeaut, James (Principal), "Geohazards Mapping of South Padre Island," Sponsored by Texas General Land Office, Coastal Management Program, State, \$177,837.00. (2008 - 2010).

Gibeaut, James (Principal), "Hurricane Ike Shoreline Change Analysis," Sponsored by Texas General Land Office through a subcontract with HDR Inc., State, \$9,000.00. (2008 - 2010).

Gibeaut, James (Principal), "Mustang and North Padre Island Geo-Hazard Analysis I," Sponsored by Coastal Bend Bays and Estuaries Program, Other, \$45,000.00. (2008 - 2009).

Gibeaut, James (Principal), "Post-Hurricane Ike Topographic Lidar Survey and Analysis on the Upper Texas Coast," Sponsored by Texas General Land Office, subaward through The University of Texas at Austin, State, \$28,000.00. (2008 - 2009).

Gibeaut, James (Principal), "Storm Impacts and Morphodynamics of the Beach-Dune System," Sponsored by Texas Research Development Fund, State, \$40,005.00. (2008 - 2009).

Gibeaut, James (Principal), "Digital Elevation Model of the Nueces Delta," Sponsored by Coastal Bend Bays & Estuary Program, Private, \$143,000.00. (2007 - 2008).

Gibeaut, James (Principal), "Status and Trends of Dune Volume, Texas General Land Office: Morphology, and Vegetation Cover along the Texas Gulf Shoreline," Sponsored by Texas General Land Office, State, \$91,908.00. (2006 - 2008).

Gibeaut, James (Principal), "Virtual Model for Exploring How Sea-Level Changes Have and Will Affect Coastal Environments," Sponsored by State Energy Conservation Office, State, \$105,800.00. (2006 - 2008).

Gibeaut, James (Principal), "Texas High School Coastal Monitoring Program," Sponsored by Texas Coastal Management Program/NOAA, State, \$62,000.00. (2006 - 2007).

Gibeaut, James (Principal), "Classroom at the Coast," Sponsored by Meadows Foundation, State, \$60,000.00. (2005 - 2007).

Gibeaut, James (Principal), "Mapping of Padre Island National Seashore and NPS Mapping Support in Texas," Sponsored by National Park Service, Federal, \$120,000.00. (2003 - 2007).

Gibeaut, James (Principal), "The Texas Shoreline Change Project: Gulf of Mexico Shoreline Sabine Pass to the Brazos River, Pass Cavallo to Aransas Pass, and the Padre Island National Seashore," Sponsored by Texas General Land Office, State, \$357,000.00. (2001 - 2007).

Gibeaut, James (Principal), "Airborne Lidar Survey of Landslide Prone Area in Ventura County, California," Sponsored by U.S. Geological Survey, Federal, \$56,000.00. (2005 - 2006).

Gibeaut, James (Principal), "Geohazards Map of Galveston Island," Sponsored by City of Galveston, State, \$50,000.00. (2005 - 2006).

Gibeaut, James (Principal), "Airborne Lidar Survey of Mustang Island, Texas," Sponsored by City of Corpus Christi, State, \$80,000.00. (2005).

Gibeaut, James (Principal), "Wetland Habitat Transition Induced by Relative Sea-Level Rise," Sponsored by Galveston Bay Estuary Program, State, \$40,000.00. (2004 - 2005).

Gibeaut, James (Principal), "Monitoring and evaluation of geotubes during 2002/2003," Sponsored by Texas Coastal Management Program, State, \$80,000.00. (2002 - 2003).

Gibeaut, James (Principal), "Recent Shoreline Change along the Southeastern Texas Coast," Sponsored by Galveston County, Texas, State, \$34,349.00. (2002 - 2003).

Gibeaut, James (Principal), "Texas High School Coastal Monitoring Program: Ball, Port Aransas, and Port Isabel High Schools," Sponsored by Texas Coastal Management Program, State, \$33,070.00. (2002 - 2003).

Gibeaut, James (Principal), "Texas Tidal Inlets Project; Depositional Environments and Morphodynamics of San Luis Pass," Sponsored by Texas General Land Office, State, \$206,990.00. (2002 - 2003).

Gibeaut, James (Principal), "The Texas Shoreline Change Project: Coastal Mapping of West and East Bays in the Galveston Bay System Using Airborne Lidar," Sponsored by Texas General Land Office, State, \$234,434.00. (2002 - 2003).

Gibeaut, James (Principal), "Texas Shoreline Change Project: Gulf of Mexico Shoreline from Mansfield Channel to Rio Grande and Shorelines in Matagorda, Copano/Aransas, and Corpus Christi Bays," Sponsored by Texas General Land Office, State, \$401,985.00. (2000 - 2003).

Gibeaut, James (Principal), "Patterns of Shoreline Change and Hurricane Washover on Barrier Islands," Sponsored by NASA, Federal, \$600,000.00. (1998 - 2003).

Gibeaut, James (Co-Principal), "Characterization of the Beach Zone via Airborne LIDAR and Hyperspectral Remotely Sensed Data," Sponsored by U.S. Army Research Office, Federal, \$200,000.00. (2002).

Gibeaut, James (Principal), "Cooperative Continuation (Year 2): Sand Resources of the Texas Continental Shelf and Regional Shoreline Change," Sponsored by U.S. DOI, Minerals Management Service, Federal, \$50,000.00. (2002).

Gibeaut, James (Principal), "Shoreline Change in West and Christmas Bays," Sponsored by Texas Coastal Management Program, State, \$34,430.00. (2000 - 2002).

Gibeaut, James (Principal), "Texas High School Coastal Monitoring Program: Ball, Port Aransas, and Port Isabel High Schools," Sponsored by Texas Coastal Management Program, State, \$60,736.00. (2000 - 2002).

Gibeaut, James (Principal), "Field Training and Consultation for the 2001 Exxon Valdez Oil Spill Shoreline Survey," Sponsored by National Marine Fisheries Service, Federal, \$24,594.00. (2001).

Gibeaut, James (Principal), "Geographic Information System for Sand Resources of Sabine and Heald Banks and the State of Beach Erosion in Southeast Texas," Sponsored by U.S. DOI, Minerals Management Service, Federal, \$49,814.00. (2001).

Gibeaut, James (Principal), "Monitoring and evaluation of geotubes," Sponsored by Texas Coastal Management Program, State, \$78,989.00. (2001).

Gibeaut, James (Principal), "Transect Surveys and Analysis for the 2001 Exxon Valdez Oil Spill Shoreline Survey," Sponsored by NOAA, Federal, \$24,783.00. (2001).

Gibeaut, James (Principal), "High Resolution Elevation Data Capture and Analysis for Honduras," Sponsored by U.S. Geological Survey, Federal, \$370,000.00. (2000 - 2001).

Gibeaut, James (Principal), "LIDAR Surveys of Downtown Austin and Port Ingleside, Texas for Raytheon demonstration project #2," Sponsored by Raytheon for NASA, Federal, \$80,000.00. (2000 - 2001).

Gibeaut, James (Principal), "Texas High School Coastal Monitoring Program: Ball, Port Aransas, and Port Isabel High Schools," Sponsored by Texas Coastal Management Program, State, \$33,070.00. (2000 - 2001).

Gibeaut, James (Principal), "Texas Shoreline Change Project: Gulf of Mexico Shoreline from Port Aransas to Padre Island National Seashore and Baffin Bay," Sponsored by Texas General Land Office, State, \$118,000.00. (2000 - 2001).

Gibeaut, James (Principal), "Texas Shoreline Change Project: Gulf of Mexico Shoreline from the Brazos River to Pass Cavallo," Sponsored by Texas General Land Office, State, \$117,750.00. (2000).

Gibeaut, James (Principal), "Coastal Hazards Atlas of Texas V. 3: A Tool for Hurricane Preparedness and Coastal Management," Sponsored by Texas Coastal Management Program, State, \$97,894.00. (1999 - 2000).

Gibeaut, James (Principal), "Investigation of shoreline change in the vicinity of Rollover Pass," Sponsored by Texas Parks and Wildlife Department, State, \$39,314.00. (1999 - 2000).

Gibeaut, James (Principal), "Recent Changes in Gulf Shoreline Position, Mustang and North Padre Island, TX," Sponsored by Texas Coastal Management Program, State, \$74,014.00. (1999 - 2000).

Gibeaut, James (Principal), "Texas High School Coastal Monitoring Program: Ball High School, Galveston, Year 3," Sponsored by Texas Coastal Management Program, State, \$25,809.00. (1999 - 2000).

Gibeaut, James (Principal), "Texas High School Coastal Monitoring Program: Port Aransas High School, Year 1," Sponsored by Texas Coastal Management Program, State, \$19,003.00. (1999 - 2000).

Gibeaut, James (Principal), "Texas High School Coastal Monitoring Program: Port Isabel High School, Year 1," Sponsored by Texas Coastal Management Program, State, \$19,003.00. (1999 - 2000).

Gibeaut, James (Principal), "Coastal Hazards Atlas of Texas, v. 2: A Tool for Hurricane Preparedness and Coastal Management," Sponsored by Texas Coastal Management Program, State, \$59,184.00. (1998 - 1999).

Gibeaut, James (Principal), "High School Beach Monitoring Program, Year 2: A Pilot Project in Education, Public Awareness, and Coastal Management," Sponsored by Texas Coastal Management Program, State, \$40,424.00. (1998 - 1999).

Gibeaut, James (Principal), "LIDAR-derived digital elevation model for Lakewood Area, California," Sponsored by Optech Inc., Other, \$31,034.00. (1998 - 1999).

Gibeaut, James (Principal), "Coastal Hazards Atlas of Texas: A Tool for Hurricane Preparedness and Coastal Management," Sponsored by Texas Coastal Management Program, State, \$64,277.00. (1997 - 1998).

Gibeaut, James (Principal), "Dune and Beach Dynamics in Galveston County: Critical Information for Coastal Management," Sponsored by Texas Coastal Management Program, State, \$49,846.00. (1997 - 1998).

Gibeaut, James (Principal), "High School Beach Monitoring Program: A Pilot Project in Education, Public Awareness, and Coastal Management," Sponsored by Texas Coastal Management Program, State, \$45,643.00. (1997 - 1998).

Gibeaut, James (Principal), "Laser Altimeter Survey of the Upper Texas Coast," Sponsored by NASA Topography and Surface Change Program, Federal, \$43,000.00. (1997 - 1998).

Gibeaut, James (Principal), "Detecting Small-Scale Topographic Changes and Relict Geomorphic Features on Barrier Islands Using SAR," Sponsored by NASA, Federal, \$254,710.00. (1995 - 1998).

Gibeaut, James (Principal), "High-Accuracy Bathymetric Surveying and Real-Time GPS Positioning System, Texas Higher Education Coordinating Board," Sponsored by Advanced Technology Program, Federal, \$191,560.00. (1996 - 1997).

Gibeaut, James (Principal), "Shallow-Water, High-Accuracy, High-Resolution Bathymetric Surveying System, Texas Higher Education Coordinating Board," Sponsored by Advanced Technology Program, Federal, \$187,820.00. (1994 - 1995).

Scholarly and Creative Awards and Honors

Third Place, Grover E. Murray Best Published Paper Award, GCAGS/GCSSEPM. (2002).
Best of Session Poster, 5th International Conference on Remote Sensing for Marine and Coastal Environments. (1998).

Honorable Mention Poster, 4th International Conference on Remote Sensing for Marine and Coastal Environments. (1997).

Graduate Council Fellowship, University of South Florida. (1987).

Phi Kappa Phi Honor Society, University of South Florida. (1987).

Eugene J. Tynan Memorial Prize for Graduate Research, University of Rhode Island. (1986).

Speiker-Toivonen Scholarship for Summer Field Work, The Ohio State University. (1982).

SERVICE

Department

Committee Member, Coastal and Marine System Science Student Curriculum Committee. (April 2011 - Present).

Committee Member, Coastal and Marine System Science Student Recruitment Committee. (October 2008 - December 2012).

Faculty Mentor, Island Days. (March 2010).

Faculty Mentor, Island Days. (January 2010).

College

Committee Member, Faculty Search Committee for Earth Systems Science Tenure Track Position. (September 2010 - April 2011).
Committee Chair, Faculty Search Committee for Earth Systems Science Tenure Track Position. (September 2008 - April 2009).

University

Committee Member, Graduate Council. (August 2010 - August 2012).

Professional

Gulf of Mexico Data Atlas Executive Steering Committee. (April 2011 - Present).
Vice Chair (Current and earlier member), Gulf of Mexico Coastal Ocean Observing System Regional Association, Products and Services Advisory Council. (April 2010 - Present).
Member and former Co-Chair, Data Management Advisory Committee for the Gulf of Mexico Alliance. (January 2010 - Present).
Ecosystem Integration and Assessment Team of the Gulf of Mexico Alliance. (October 2008 - Present).
Journal Peer Reviewer, Earth and Planetary Science Letters. (2013).
Northern Gulf Institute BP Oil Spill Research Review Team. (January 2011).
Dauphin Island Sea Lab BP Oil Spill Research Review Team. (October 2010).
International Conference on Sea Level Rise in the Gulf of Mexico. (2009 - March 2010).

Public

Committee Member, Technical Advisory Committee for Coastal Texas. (January 2012 - Present).
Committee Member, Nueces County Beach Management Advisory Committee. (January 2008 - January 2012).
Discussant, Coastal Bend Bays & Estuaries Program Workshop on an Ecosystem Services Based Plan. (June 2010).