

POSITION DESCRIPTION

**Endowed Chair and Professor
Specializing in Geospatial Computing
in Hydrographic Sciences**

**Conrad Blucher Institute for Surveying & Science
College of Science & Engineering**

February 2012



**TEXAS A&M
UNIVERSITY
CORPUS
CHRISTI**

**CONRAD BLUCHER
INSTITUTE
FOR SURVEYING AND SCIENCE**

Advertisement

Picture yourself in a sub-tropical environment where top-notch academics and cutting-edge research are blended into a robust lifestyle. Texas A&M-Corpus Christi is the only University in the nation located on its own island at 27°42'53" North of the equator.

With palm trees lining pathways throughout the 240-acre campus, nearby natural wetlands and a pristine beach, we've become a first-choice destination for many students seeking a university that takes the lead, rather than follows.

Exploring the depths of the Gulf of Mexico, performing on the finest stage in the Texas Gulf Coast and undertaking new research to improve the lives of those in our community form the enriching experiences offered at Texas A&M University-Corpus Christi. We're an active campus where our students, faculty and staff make all the difference.

A&M-Corpus Christi offers:

- The area's premier institution of higher learning enrolls more than 10,000 students and is part of The Texas A&M University System.
- A&M-Corpus Christi's location on the Gulf of Mexico and on the cultural border with Latin America shapes its focus and provides the foundation for gaining national prominence.
- Our five academic colleges offer bachelor's, master's and doctoral degrees from highly accomplished faculty, 90 percent who hold the highest degree in their fields.
- Students receive a personalized approach to teaching with a student-to-faculty ratio of 20:1.

Duties and Responsibilities

Texas A&M University-Corpus Christi (TAMU-CC) is an expanding, doctoral-granting institution committed to preparing graduates for lifelong learning and responsible citizenship in the global community. The Conrad Blucher Institute for Surveying and Science, a research institute located on the campus of TAMU-CC, <http://www.cbi.tamucc.edu/>, is dedicated to innovative research and encourages scientists and professional engineers to develop and apply technology solutions relevant to surveying, scientific measurements, and to the issues in the Gulf of Mexico region. Our supportive, multicultural learning community provides undergraduate and graduate students with a challenging educational experience.

The Institute has achieved and maintains a national reputation for developing innovative geospatial science research and serves as a focused resource area for geospatial datasets relevant to the coastal environment. The Institute participates in cooperative ventures with other academic entities and federal and state agencies to ensure that research opportunities are available for the historically underrepresented population in the region.

The Blucher Endowed Chair would be expected to strengthen links between the School, its graduates and other alumni, and the professional survey, hydrographic, and business communities through research grants and partnerships.



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Person Specification

Applicants must hold a Ph.D. or equivalent terminal degree in Hydrographic Surveying, Surveying, GIS, Geodesy, Computer Science, or closely related discipline. Record of original, extramurally funded research with significant publications in archival journals. Demonstrated excellence in supervising graduate and undergraduate student researchers, ability to communicate effectively with an ethnically and culturally diverse campus community. Interest in developing a Ph.D. program in Geospatial Computing Sciences. Demonstrated success in mentoring colleagues. Demonstrated experience/success in cultivating relationships with industry professionals locally and nationally. Experience with commercial geospatial computing systems and a background in research laboratories, corporations or government/non-profit sectors.

Date of Appointment

This is a 5 year appointment, subject to renewal, and will be a full-time, benefits eligible position with appointment beginning Sept. 1, 2012; which could be delayed for the ideal candidate.

To Apply

Please visit the following for more information:

<https://islanderjobs.tamucc.edu>

Equal Employment Opportunities

Texas A&M University-Corpus Christi is an equal opportunity employer committed to diversity. In compliance with the Americans with Disabilities Amendments Act of 2008 (ADAA): to request an accommodation to complete the application process, please contact Human Resources at hrweb@tamucc.edu or phone (361) 825-2630.

Salary

For further information in regards to remuneration, please contact the head of the search committee, Dr. Gary Jeffress at gary.jeffress@tamucc.edu



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Texas A&M University-Corpus Christi

Texas A&M University-Corpus Christi is committed to becoming one of the leading centers of higher education in the Gulf of Mexico region while serving the intellectual, cultural, social, environmental and economic needs of South Texas. As a result, Texas A&M-Corpus Christi will invigorate and strengthen the region and state through its educational programs, research initiatives and outreach efforts.

Our Mission

Texas A&M University-Corpus Christi is an expanding, doctoral-granting institution committed to preparing graduates for lifelong learning and responsible citizenship in the global community. We are dedicated to excellence in teaching, research, creative activity

and service. Our supportive, multicultural learning community provides undergraduate and graduate students with a challenging educational experience. The university's federal designation as a Hispanic Serving Institution (HSI) provides a foundation for closing educational gaps, while its strategic location on the Gulf of Mexico and on the cultural border with Latin America provides a basis for gaining national and international prominence.

Texas A&M-Corpus Christi traces its beginning to 1947 as the area's premier institution of higher education. Today, we're part of The Texas A&M University System, a network of nine universities, seven state agencies and a comprehensive health science center.

Enrollment currently stands at over 10,000 students representing 48 states and 67 foreign countries.

College of Science and Engineering

The College of Science & Engineering has four Academic Departments and one specialized Interdisciplinary Program:

- School of Engineering and Computing Sciences
- Department of Life Sciences
- Department of Mathematics & Statistics
- Department of Physical & Environmental Sciences
- Interdisciplinary Program: Science Math & Technology Education

Descriptions of each of these programs can be found at <http://www.sci.tamucc.edu/academics.html>

The Conrad Blucher Institute for Surveying and Science

Within this College also lies the Conrad Blucher Institute for Surveying and Science and the Geographic Information Science Academic Undergrad Program and the Master's in Geospatial Surveying Engineering.



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The Conrad Blucher Institute conducts innovative research and encourages scientists and professional engineers to develop and apply technology solutions relevant to surveying, scientific measurements, and to the issues in the Gulf of Mexico region. The Institute has achieved and maintains a national reputation for developing innovative geospatial science research and serves as a focused resource area for geospatial datasets relevant to the coastal environment. The Institute participates in cooperative ventures with other academic entities and federal and state agencies to ensure that research opportunities are available for the historically underrepresented population in the region.

The Geographic Information Science program was started by a generous endowment from Mr. Conrad Blucher, a local South Texas Land Surveyor. This helped establish the Conrad Blucher Institute for Surveying and Science. The Institute, dedicated in 1987, encourages scientific research and education, with a special emphasis on surveying. To provide for the unique needs of Texas surveyors, the Institute is developing strong continuing education and research programs in surveying. As funds and resources permit, the Institute will also promote research and education in all of the supporting sciences. Science education is a vital base for surveyors and scientists. The Institute supports activities to improve these areas and help create professional and student interest in surveying and science.

Living in Corpus Christi, TX



Corpus Christi, Texas enjoys a spectacular location on the sparkling Gulf of Mexico. As the gateway to the famous Padre Island National Seashore, Corpus Christi has long been a popular tourist destination. The city offers over one hundred miles of Gulf Coast beaches. Here you will find some of the best and most consistent settings for water sports, fishing, hiking and bird watching. In fact, with its predominantly sunny climate, you are likely to find many Corpus Christi residents enjoying the great outdoors in their leisure time.

Corpus Christi is also the county seat of Nueces County, and currently supports a population of approximately 280,000 residents within its 154 square mile borders. The average age of a resident here is 33 years old. The median home cost is \$103,500. Compared to the rest of the country, Corpus Christi's cost of living is 1.40% lower than the U. S. Average. The majority of residents here are employed in the retail trade, with over twelve percent of locals working in this field. Manufacturing is the second largest employment sector, with just over seven percent employed in this sector.

Many locals are employed in this city's Port district. The city's port is a major international center for moving petroleum products, grains, cotton and chemicals around the world. Another leading employer in the region is one of Texas's best known universities, Texas A & M University.

Corpus Christi offers a rich tapestry of cultures while maintaining the relaxed lifestyle of a beach community. With an environment comprised of cool sea breezes and sunshine filled days throughout the year, residents here tend to be relaxed and maintain a slower pace of life than many other parts of the nation. In fact, the average temperature here is a balmy 71 degrees. Corpus Christi logs an average of 255 days each year of clear, sunny skies.



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The city has a unique promenade area situated on the bay front. There is also an arts and museum district. In between, you will find a seemingly endless array of restaurants, coffee houses, boutiques and hotels, many also located at the edge of the bay. It is here that you will also find the Municipal Marina, a focal point for the city. From here you can also see the USS Lexington, an impressive Naval ship turned museum.



Corpus Christi also offers incredible beaches. McGee Beach is a popular spot for both families and tourists, as the waters here tend to remain calm. Additionally, this beach is conveniently located near several of the city's most popular hotels. Corpus Christi Beach is just over the Harbor Bridge, and tends to draw some serious sunbathers.

Corpus Christi also sponsors a number of festivals and fairs throughout the year. Many of these reflect the diverse cultures that comprise the region, such as the South Texas Ranching Heritage Festival or the Pow-Wow by the Sea. There are a number of artistic and culturally-themed events, such as the immensely popular Texas Jazz Festival. And many events take advantage of Corpus Christi's unique setting, such as the annual Bayfest. In fact, the bay area even takes center stage during the Christmas holidays, when boats of all shapes and sizes take to the water for December's Harbor Lights Festival and Boat Parade.

Corpus Christi is a town that enjoys a strong economy, thanks in large part to its strong tourists trade. But the lucky residents here know that living here is the best vacation of all!



Further Information

For further information, the following sites may be of interest:

<http://corpuschristi.texas.com/index.html>

<http://tamucc.edu/>

<http://gisc.tamucc.edu>

<http://gisc.tamucc.edu/index.php?n=GSEN.MSGSEN>

<http://www.cbi.tamucc.edu/>

The School of Engineering and Computing Sciences: <http://encs.tamucc.edu/>



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