

BUSINESS – to – BUSINESS

BAHEP extends its sincere appreciation for the continued support of the *Houston Chronicle* through this monthly supplement.

Symposium addresses storm surge and flooding defense for region



Len Waterworth, president/CEO of Dannenbaum Engineering Corporation, moderated the workshop and seminar throughout the day.

On Sept. 15, just two days after the three-year anniversary of Hurricane Ike's landfall in Texas, the Gulf Coast Community Protection and Recovery District (GCCPRD) and the Bay Area Houston Economic Partnership (BAHEP) presented a day-long workshop and symposium on the current efforts and prospective solutions to alleviate storm surge in Galveston Bay and the upper Texas Gulf Coast. The GCCPRD consists of the county judges from six Upper Texas Coast counties - Orange, Chambers, Jefferson, Brazoria, Galveston, and Harris. The GCCPRD was created to look at ways to provide surge protection remedies including the "Ike Dike."

The day's agenda included a presentation from engineers located in the Netherlands, the world leaders in storm surge suppression solutions. Held at South Shore Harbour Resort and Conference Center, the event drew 160 attendees.

The day began with opening remarks by Len Waterworth, president/CEO of Dannenbaum Engineering Corporation and a general engineering consultant to the GCCPRD. He stated, "Today we're looking at ways to find answers. How do we protect the economic prosperity that has been given to us, and how do we build on it?"

Waterworth was followed with a presentation by Owen Parker, P.E., of Dannenbaum Engineering Corporation, who spoke on "North Texas Coastal Risk Compared to Dutch Best Practices." He was joined in his presentation by Rick van Adrichem, a student from the Netherlands who currently interns at Dannenbaum as part of his master studies. Later in the afternoon, Parker also spoke on "Coastal Response to Hurricanes." He noted, "The GCCPRD is a direct leadership response to the \$37 billion in damage caused by Hurricane Ike."

Herman J. Gesser, III, who al-

so gave a morning presentation, served as chief counsel and projects director to U.S. Sen. Mary L. Landrieu (D-LA) from 1998-2007. His presentation, "The Louisiana Strategy to Funding," spoke of his experience as he researched, drafted, and provided advice and counsel on legislation primarily relating to the environment, public works, and appropriations. Specifically, this included such matters as transportation and Corps of Engineers projects to include coastal restoration, flood control, hurricane protection, and navigation.

Galveston County Judge Mark Henry gave the keynote address during lunch. He said, "This is not a pie in the sky concept. We have all of the facts and figures we need. It's not a question that it will work. It's a question of how do we get there from here. All of our local, state and national leaders must work as a team and commit themselves to getting the money we need for a surge protection program."

Afternoon presentations also included those by Helen Young, deputy commissioner, Coastal Resources, Texas General Land

Office, and Col. Christopher Sallesse, commander, U.S. Army Corps of Engineers, Galveston Engineer District. Young's presentation was, "The Role of the GLO in Texas Coastal Protection." The GLO is responsible for 367 miles of Gulf beach and 3,300 miles of bay and estuarine shoreline. Young said, "We want to put money into long-term solutions, and we look at the GCCPRD as a great starting point."

Sallesse reported that the Sabine pass to Galveston study has been identified for funding in FY 2012 and that a start for the coastal Texas study looks promising for FY 2013. He added, "The Galveston District continues an out-

reach effort to identify partners and opportunities for collaborative beneficial use of dredged material projects." In closing he stated, "When you're not improving what you have, you're not looking out for the strategic needs of the nation."

The Dutch presentation, "Building the National Will," spoke of that country's response to the 1953 flood. Dale Morris, senior economist, Royal Netherlands Embassy, commented, "Change is difficult, even in the Netherlands, when the future is uncertain and what is needed is not 100 percent clear. In the Netherlands, a national / local partnership helped to make reforms possible."

Payne serves dual role within BAHEP

Bob Payne, director of Contracts for the Bay Area Houston Economic Partnership, spent 40 years in the aerospace and military industries prior to joining BAHEP. Lockheed Martin was home for 35 of those years where he began working in the middle of the Apollo program and continued through the Sky Lab, Space Shuttle, and International Space Station eras.



Bob Payne

At Lockheed Martin, Payne was the manager of the Basic and Applied Research Department. Within the department, scientists and engineers volunteered to work with small business owners through BAHEP's Space Alliance Technology Outreach Program. SATOP is a State of Texas and federally funded initiative designed to transfer the knowledge and technology of the U.S. Space Program to small businesses, at no charge to them, to solve technical challenges they are unable to solve themselves. Scientists and engineers working for NASA, NASA contractors and colleges, called Alliance Partners, donate up to 40 hours to help get inventions from the prototype stage to marketable products.

"I was always very supportive of the program and encouraged the employees and supervisors to participate in it where appropriate," Payne stated. In early 2005, there was a Lockheed Martin contract transition, and, rather than relocate out-of-state for another position

within Lockheed Martin, he decided to retire. Retirement was very short, however. BAHEP needed to fill a position within SATOP, and Payne wanted to "pay it forward" and give back to the community. It was a perfect match.

Payne became the SATOP program manager, a position he held until January 2008 when he became the program director. His responsibilities include program oversight, maintenance of relationships with the Alliance Partners, and recruitment of economic development organizations in Texas to market the program to their small business communities. He explained, "SATOP provides an economic impact through the transfer of the knowledge and technology gained through the U.S. Space Program to the private sector. SATOP provides for job creation, capital investment and facility expansion."

In January 2008, Payne became BAHEP's director of Contracts in addition to his other responsi-

bilities. Contracts exist between BAHEP and 10 of its member cities as well as with Harris and Galveston counties. Contract compliance is a big aspect of his job duties. Payne works with BAHEP's staff liaisons to develop proposals. Once the contract is in place, he monitors contract compliance in terms of deliverables according to the terms and conditions of the contract.

The contracts are in effect from one to three years with BAHEP's municipal partners. Each year presents a series of contracts that have to be negotiated and renewed. Additionally, Payne provides quarterly and annual reports to the municipalities. "You have to stay focused," he emphasized, "and not let anything fall through the cracks."

For more than six years, Payne has continued to pay it forward through his work within BAHEP. When he eventually retires for the second time, he will leave very big shoes to fill.

Department at Texas A & M University at Galveston. His scientific work has included studies of regional and large-scale ocean physics as well as coastal processes and hurricane impacts. Merrell's interests have evolved to coastal sustainability and disaster mitigation and recovery. In particular, he is investigating the possibility of a regional surge suppression barrier for the Houston/Galveston area, the Ike Dike, with which many in the region are familiar.

Merrell explained that a major storm affects the Gulf coast every 15 years on average. He promotes a "coastal spine" that would hold back the maximum storm surge for a few hours. It would be designed for a 10,000 year storm and would not harm neighboring communities.

At seminar's end, Waterworth declared, "Protecting the Gulf coast region is a legacy for the future. You can't hand this off to somebody. What are you going to do about it?"

University of Houston Clear Lake establishes joint degree program with Texas Chiropractic College

Texas Chiropractic College and the University of Houston - Clear Lake have signed a memorandum of understanding, which establishes a joint-degree program between TCC's Doctor of Chiropractic (DC) degree and UH-

Clear Lake's Master of Science in Fitness and Human Performance (FHP). The agreement went into effect for the fall 2011 academic term. Both TCC and UHCL are members of the Bay Area Houston Economic Partnership.

"This is a ground-breaking opportunity for Texas Chiropractic College and, more importantly, for our students," said TCC Senior Vice President and Provost Clay McDonald. "We couldn't be more excited to launch our first

dual degree with the nationally respected fitness and human performance program at the University of Houston-Clear Lake. This represents a tremendous opportunity for our students to increase their knowledge and marketability and also reflects the quality of growth taking place at TCC."

UH-Clear Lake's Senior Vice President for Academic Affairs and Provost Carl A. Stockton stated, "By putting this joint-degree program in place, we are giving students at UH-Clear Lake and Texas Chiropractic College more opportunities to strengthen their educational backgrounds, which will definitely help them in their future careers."

Bob Mitchell, president of the Bay Area Houston Economic Partnership, commented, "This memorandum of understanding between UHCL and TCC is another great example of the high level of cooperation that exists between our independent school districts, colleges and universities."

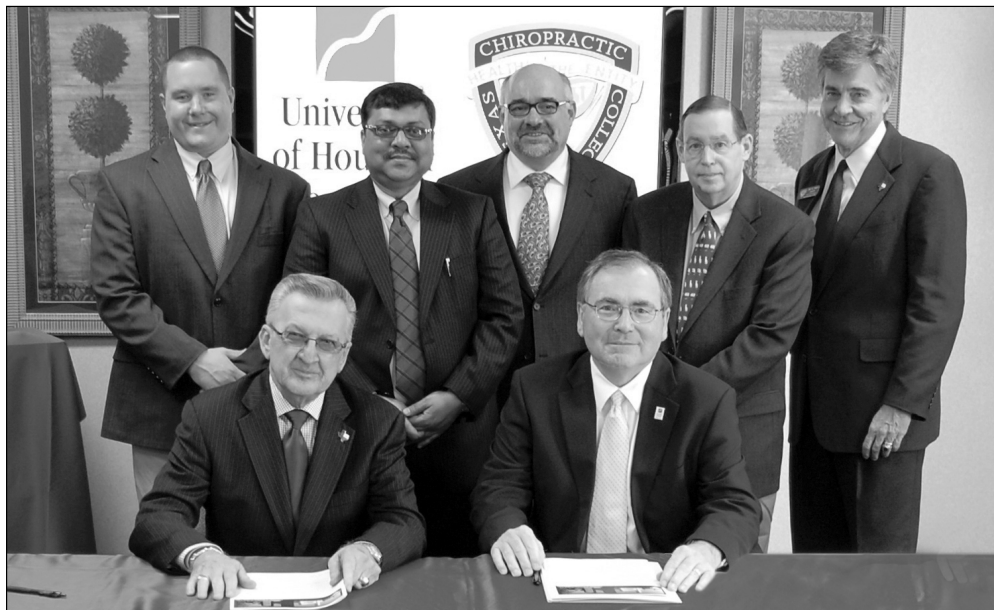
UH-Clear Lake's MS program in FHP is a 36-hour program, six of which will come from TCC's curriculum. The joint-degree program will add one trimester to TCC's standard 10-trimester (three and one-third years) doctor of chiropractic program.

This new agreement also provides for the participation of

qualified TCC students in UH-Clear Lake's FHP certification program. The certificate is designed for individuals with a bachelor's degree who are not seeking a master's in fitness and human performance but who want to receive specific instruction in fitness, exercise, nutrition and human performance. This is a 12-hour program.

For current UH-Clear Lake students in the master's program, the agreement provides for early placement should they choose to attend TCC.

The UH-Clear Lake Fitness and Human Performance master's program is a part of the School of Human Sciences and Humanities. Previous graduates of the FHP program have served as strength and conditioning coaches in the NBA, NFL, MLB, collegiate programs, NASA, and for international sports teams. Some graduates work as exercise physiologists, scientists, health promotion coordinators, fitness specialists, and personal trainers, as well. Others have continued their education in physical and occupational therapy schools, chiropractic schools, physician assistant programs, medical school, and in Ph.D. programs in related fields.



Texas Chiropractic College and the University of Houston-Clear Lake have established a joint-degree program that took effect in the current academic term. Both institutions are members of the Bay Area Houston Economic Partnership. Present at the signing were: (seated, from left to right) TCC President Richard G. Brassard, D.C., and UHCL President William A. Staples, Ph.D. (Standing, from left to right) UHCL Lecturer in Fitness and Human Performance Bill Amonette; UHCL Associate Vice President for Academic Affairs Mrinal Mughd, Ph.D.; TCC Senior Vice President and Provost Clay McDonald, D.C., M.B.A., J.D.; TCC Vice President for Academic Affairs and Program Development Al Adams, D.C.; and TCC Dean of Enrollment Management Fred Zuker, Ph.D. (Article and photo courtesy of Texas Chiropractic College)

BUSINESS to BUSINESS is a monthly Bay Area Houston Economic Partnership publication in partnership with the *Houston Chronicle*. BAHEP is a member-driven organization that provides the leadership to stimulate regional economic development and employment in southeast Texas. Its members include over 260 business partners encompassing 13 cities, Galveston and Harris counties, and the Port of Houston Authority.

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