

Contact Information

Institute for Sustainable Energy and the Environment (ISEE)

MSC 213
700 University Blvd.
Kingsville, TX 78363
361-593-4326
kudh2003@tamuk.edu



Texas A&M University - Kingsville

Frank H. Dotterweich College of Engineering
MSC 188
700 University Blvd.
Kingsville, TX 78363-8202
361-593-2799
katdg00@tamuk.edu



TEXAS A&M
UNIVERSITY
KINGSVILLE

Texas A&M University - Kingsville

Environmental Engineering
MSC 213
700 University Blvd.
Kingsville, TX 78363
361-593-3904
kaca001@tamuk.edu

Lower Rio Grande Valley-Texas Pollutant Discharge Elimination Systems Storm Water Task Force

MSC 213
700 University Blvd.
Kingsville, TX 78363
361-593-4326
kujg2004@tamuk.edu



Lower Rio Grande Valley 1st Annual Municipal Parks Stormwater Management Using Low Impact Development and Green Infrastructure Mini- Conference Program

November 12 - 13, 2015
Weslaco Economic Development Center
Weslaco, Texas
www.weslacoedc.com

Texas A&M University-Kingsville is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 33033-4097; Telephone number 404-679-4501) to award bachelor's, master's and doctoral degrees.





FRANK H. DOTTERWEICH COLLEGE OF ENGINEERING
 ENVIRONMENTAL ENGINEERING
 700 UNIVERSITY BLVD., MSC 213
 KINGSVILLE, TX 78363-8202
 PH 361/593-2187 • FAX 361/593-2069

November 12, 2015

Greetings,

On behalf of the Institute for Sustainable Energy and the Environment (ISEE), housed in the Frank H. Dotterweich College of Engineering at Texas A&M University-Kingsville, along with the Lower Rio Grande Valley Texas Pollutant Discharge Elimination System (TPDES) Storm Water Task Force, the RGV Sports Complex and Municipal Parks Environmental Council and our partners, welcome to our *1st Annual Municipal Parks Stormwater Management Using Low Impact Development and Green Infrastructure Mini-Conference*.

ISEE is a sustainability-based environmental research institute at Texas A&M University-Kingsville. ISEE focuses on research topics germane to South Texas and the U.S.-Mexico border region. It is our goal to develop team-based and research inspired programs to train and educate our future engineers. Working with our partners, we have brought together representatives from academia, private industries, environmental groups, research communities and state and federal agencies to be a part of a team exchanging ideas concerning environmental issues impacting coastal and semi-arid regions and the Rio Grande Valley, and transferring that information to the decision makers and stakeholders who influence the economic, social and physical infrastructure along the border region.

Over the last eighteen (18) years, ISEE has hosted several key topical conferences in partnership with the Lower Rio Grande Valley TPDES Storm Water Task Force, and this new mini-conference series aligns itself with the mission of ISEE and the Task Force. It is my hope that this new conference series serves as a platform for discussing sustainability issues that are both important and relevant to the Rio Grande Valley and South Texas. **This year the conference topics include low impact development, the stormwater runoff flow reduction strategies, stormwater management innovations, academia research topics, and many other interesting themes.** We hope you consider participating in this event and hope you have an enjoyable and stimulating time at the conference.

Sincerely,

Kim Jones, P.E., Ph.D.
 Director
 Institute for Sustainable Energy & the Environment
 Texas A&M University-Kingsville
 MSC 188, 700 University Boulevard
 Kingsville, Texas 78363
 Phone: (361) 593-2001
 Fax: (361) 593-2106
 Email: kfdj00@tamuk.edu



Conference Schedule

Thursday, November 12, 2015 – TFMA Course and Exam, Separate registration required. Must join TFMA to sit in during Exam.		
		Main Event Room
	Course I	Texas Floodplain Management Association (TFMA) Course & Certified Floodplain Manager (CFM) Exam
8:30–5:00 (30 min lunch)		Floodplain Management Review Course* Jessica Baker, P.E., P.M.P. Half Associates, Dallas TX. TFMA President 8 CECs/8 PDU's *Lunch included

Members of the Sports Complex and Municipal Parks Environmental Council Founded in 2015

City Alamo	City of La Joya
City of Alton	City of Mission
City of Brownsville	City of Palmview
Cameron County	City of Primera
Cameron County Drainage District #1	City of San Benito
City of Donna	City of San Juan
City of Edinburg	Santa Cruz Irrigation District #15
City of La Feria	Texas A&M University-Kingsville
City of Los Fresnos	City of Weslaco



Friday, November 13, 2015	
Stormwater I 8:00-8:45	WESLACO EDC EVENTS ROOM
	<p>Stormwater 0 – Plenary, Welcome, and Introductions Chair: Kim D. Jones, Ph.D., P.E., Director, ISEE, TAMUK Vice-Chair: Jose Hinojosa, Santa Cruz Irrigation District #15, Chairperson Lower Rio Grande Valley TPDES Storm Water Task Force</p> <p><i>“Welcome”</i> Kim D. Jones, P.E., Ph.D., Director Institute for Sustainable Energy and the Environment Frank H. Dotterweich College of Engineering Texas A&M University-Kingsville Kingsville, TX</p> <p><i>“Mission and Goals of the RGV SCMPEC”</i> Ernesto Solis Stormwater Specialist, City of Alamo Chairperson Sports Complex and Municipal Parks Environmental Council</p> <p><i>“Role of the LRGV TPDES Storm Water Task Force, it’s Past Accomplishments and Future Goals”</i> Joe Hinojosa, REM General Manager, Santa Cruz Irrigation District #15 Chairperson LRGV TPDES Storm Water Task Force</p>
Stormwater I 8:45-10:15	<p>Stormwater I – Low Impact Development Chair: Armando Ponce, Parks and Rec Director, City of San Juan Vice-Chair: Sal Mendoz, Assist. Parks and Rec Director, City of San Benito</p> <p><i>“Detention, Retention & Constructed Wetlands”</i> Dario V. Guerra III, P.E Principal Big D Engineering, McAllen, TX</p> <p><i>“LID – Challenges to Making it Work in Our Municipal Parks and Greenways”</i> Jim Carrillo, FAICP, ASLA Vice-President Half Associates, Dallas TX.</p> <p><i>“Development of Ideal Bioswale Materials for South Texas Watersheds”</i> Jungseok Ho, Ph.D. Assistant Professor Civil Engineering University of Texas-Rio Grande Valley</p>
	Networking Coffee Break and Exhibits
10:15-10:30	

Stormwater II 10:30- 12:00	<p>Stormwater II – Stormwater Management Chair: Damris McGlone, Parks and Rec Director, City of Brownsville Vice-Chair: David Arce, Parks and Rec Director, City of Weslaco</p> <p><i>“Urban Soil Compaction and Management Practices in Municipal Parks”</i> Jihoon (James) Kang, Ph.D. Professor Geology University of Texas-Rio Grande Valley</p> <p><i>“South Texas College LID Parking Lot – Case Study”</i> René González, P.E. Project Manager Perez Consulting Engineers, McAllen, TX</p> <p><i>“Bioretention in Texas-A Five Year Study”</i> Beverly Storey, P.L.A. Landscape Architect Texas Transportation Institute Texas A&M University, College Station, TX</p>
	LUNCH (provided)
12:00-1:30	
Stormwater III 12:15-1:15	<p>Stormwater III – Lunch Speakers Chair: Joey Trevino, Weslaco EDC Executive Director Vice-Chair: Olga Garza, Assistant Public Works Director, City of Weslaco</p> <p>“Welcome” The Honorable David Suarez Mayor, City of Weslaco</p> <p>“An Update on Cameron County Park System Projects” The Honorable Joe E. Vega Cameron County Parks Director Mayor, City of Port Isabel</p>
	<p>Stormwater IV – LID Topics Chair: David Arce, Parks and Rec Director, City of Weslaco Vice-Chair: Art Garza, Parks and Rec Director, City of San Benito</p> <p><i>“Lower Rio Grande Valley LID Demonstration, Education and Outreach Program”</i> Augusto Sanchez, MS, CFM Research Engineering Associate I Texas A&M University-Kingsville LID Program Project Manager and Ahmed Mahmoud Ph.D. Candidate Environmental Engineering Texas A&M University-Kingsville</p>
Stormwater IV 1:30-3:00	

3:00-3:15 Stormwater V 3:15 - 4:45	<p><i>“Green Solutions for overflow parking, trails, Drainage, ADA and Emergency access: Flexible Plastic Porous Paving Systems by Invisible Structures”</i> Roger Tadlock MKM Sales, Inc. Beaumont, TX</p> <p><i>“Using Your Embankment as a Unique Spectator Seating Solution”</i> Jamie Rodriguez Commercial Hardscapes Consultant Oldcastle Architectural Texas, an Oldcastle company Rosenberg, TX</p>
	<p align="center">Networking Coffee Break and Exhibits</p>
	<p align="center">Stormwater V – General Topics Chair: Frank Tamez, Parks and Rec Director, City of La Feria Vice-Chair: Ahmed Mahmoud, Graduate Student, TAMU-K</p> <p><i>“Potentials of Integrating Bioswale for Flood Mitigation and Enhancing Groundwater Recharge at Municipal Parks”</i> Chu-Lin (Mike) Cheng, Ph.D. Assistant Professor Civil Engineering University of Texas-Rio Grande Valley</p> <p><i>“Generic vs. Branded Herbicides Is there a Difference?”</i> Beverly Storey, P.L.A. Texas Transportation Institute Texas A&M University, College Station, TX</p> <p><i>“Expanding Public Park System in Colonias through LID/Green Infrastructure in Underutilized Spaces”</i> Hugo Colón Planning and Design Associate bcWorkshop, Brownsville, TX</p>
4:45-5:00	<p align="center">Closing Remarks</p>

INSTITUTE FOR SUSTAINABLE ENERGY AND THE ENVIRONMENT

ISEE provides increased access to B.S., M.S. and Ph.D. programs offered at Texas A&M University-Kingsville in environmental engineering to U.S. citizens and permanent residents; while it promotes research opportunities for undergraduate and graduate students to focus on the sustainability of semi-arid coastal areas. ISEE enables hands-on experience with state-of-the-art instrumentation and methodologies in laboratories and at various field sites. ISEE serves as a major source of research on the environmental sustainability of the semi-arid coastal areas, integrates the research with continuing education, transfers findings to the public domain and serves as a major resource partner with institutions along both sides of the US/Mexico border.

The Frank H. Dotterweich College of Engineering has a long history of preparing top-quality engineers for a rapidly changing profession. Research opportunities at the undergraduate and graduate level help train students for careers in engineering and small class sizes give students personal interaction with faculty members. The College maintains ties with the corporate and industrial world and provides valuable internship experiences that can translate into job offers once students complete their degrees. Most departments offer scholarships for qualified students and student chapters of professional organizations help students learn while they make valuable contacts for their future. The College offers bachelor’s and master’s degrees through six departments: civil and architectural engineering, chemical and natural gas engineering, electrical and computer science, environmental engineering, industrial management and technology, mechanical and industrial engineering and industrial management. A doctoral degree program in environmental engineering was added to our offerings in 2002. Our programs are located in four building including the Engineering Complex, which opened ten years ago. Our facilities house modern laboratories and computer facilities that help increase our graduates’ knowledge and experience. The undergraduate engineering programs in and mechanical engineering in the College are accredited through the Engineering Accreditation Commission of ABET, Inc. The undergraduate program in industrial management and technology is accredited by the Association Technology, Management, and Applied Engineering.

Exhibitors/Sponsors/Partners

