

UT RIO GRANDE VALLEY
STORMWATER
CONFERENCE

Lower Rio Grande Valley

20th Annual Water Quality Management &
Planning Conference

Poster Competition

May 17, 2018

Schlitterbahn Resort – Hibiscus C

South Padre Island, Texas



*Each team will have 15 minutes to present to the judges.

Station #	Presenter(s)	Poster Title	School	Type
Graduate Posters: 8:45 am – 10:00 am 5/17/2018				
1 8:45	<i>Erik Castillo and Jongmin Kim, Ph.D.</i>	<i>Dehumidification Water Quality Analysis of the South Texas Gulf of Mexico</i>	UTRGV	Grad
2 9:00	<i>Antonio Reyna</i>	<i>Where Does Rainwater Go in the Laguna Madre Coastal Watershed?</i>	UTRGV	Grad
3 9:15	<i>Zenaida Guerrero, Jungseuk Ho Ph.D. Javier Guerrero, Augusto Sanchez</i>	<i>Stormwater Runoff Quantity from Permeable and Traditional Pavements in Semi-arid South Texas – Modeling Comparison using SWMM</i>	UTRGV	Grad
4 9:30	<i>Eli Gonzalez, Chu-Lin Cheng Ph.D, Jihoon Kang Ph.D, Jungseok Ho Ph.D</i>	<i>Potentials of Shallow Groundwater Contamination Discharge into Lower Laguna Madre</i>	UTRGV	Grad
5 9:45	<i>Taufiqul Alam</i>	<i>Development of Decision Making Tool (DMT) for Stormwater Detention Requirements in LRGV, Texas</i>	TAMUK	Grad
6 10:00		<i>Effect of Land Cover Changes on Stormwater Runoff in a Large Urban Watershed</i>	TAMUK	Grad

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Undergraduate Posters: 10:15 am – 12 pm 5/17/2018				
1 10:15	<i>Hector Escalante Mateos and Jongmin Kim, Ph.D.</i>	<i>Passive Treatment for Hardness Removal from Rio Grande Water Resources</i>	UTRGV	Undergrad
2 10:30	<i>Alejandro Pena Silva, Gerardo Flores, Adam Flores, and Jongmin Kim, Ph.D.</i>	<i>Lead in Drinking Water at South Texas University</i>	UTRGV	Undergrad
3 10:45	<i>Adam Flores, Darla Ortega, and James Kang, Ph.D.</i>	<i>Evaluation of Polyacrylamide, Compost, Biochar, and Vermiculite for Improving Soil Moisture Content and Wet Aggregate Stability</i>	UTRGV	Undergrad
4 11:00	<i>Jose Garcia, Adam Flores, Darla Ortega, and James Kang, Ph.D.</i>	<i>Soil Physical Parameters Affected by Cover Crops in Rio Grande Valley Agricultural Soils</i>	UTRGV	Undergrad
5 11:15	<i>Dina Marin</i>	<i>Parallel Computation for Hurricane Storm Surge Forecasting</i>	UTRGV	Undergrad
6 11:30	<i>Sara E. Davila</i>	<i>Hurricane Storm Surge impact on the Major Valley Floodways</i>	UTRGV	Undergrad
8 11:45	<i>Amado Zambrano, Paola Granados, Aaron Garza, Serio Mireles, Jongmin Kim Ph.D., Engil Pereira, James Kang Ph.D.</i>	<i>Aqueous lead removal using biochar pyrolyzed with locally-sourced biomass</i>	UTRGV	Undergrad
9 12:00	<i>Luz Salinas, Sergio Romo, Julio Garcia, Azurym Padron</i>	<i>Isla Blanca Beach Front & Sand Dune Protection</i>	UTRGV	Undergrad
Break for Lunch 12:00 PM – 1:00 PM				

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10 1:00	<i>Andres Alaniz, Sergio Alejandro Herrera, Luis Lerma, Paola Ayala, Gabriela Ramirez, Ernesto Sosa, Dulce Torres</i>	<i>Residential Green Building Challenge</i>	UTRGV/ Tech de Matamoros	Undergrad
11 1:15	<i>David Lopez, Hector Trevino, Luzeldi Gutierrez, Abraham Perez</i>	<i>Environmental Impact of Solar PV Installations</i>	UTRGV/ Tech de Matamoros	Undergrad
12 1:30	<i>Christopher Peña, Manuel Tienda, Marco Torres, Juan Lerma, Abiel Arechiga</i>	<i>Experimental Design to Study Load Reduction in Parking Lot</i>	STC	Undergrad
13 1:45	<i>Fernando Silva and Miguel Elizondo</i>	<i>Simulating LID Performance with SWMM</i>	STC	Undergrad
14 2:00	<i>Yazmin Morales, Claudia del Ángel Reyes</i>	<i>Valley Green Roof Environment Conservation</i>	STC	Undergrad
15 2:15	<i>Benjamin Garza, Eloy Lopez Minjares, Adan Gonzalez, Stephanie Ramos</i>	<i>Green Infrastructure Master Plan for South Texas College Pecan Campus</i>	STC	Undergrad
16 2:30	<i>Marlon Garza, Miguel Hernandez, Nohemi Garza</i>	<i>South Texas College Parking Lot LID Experimental Design Improvement</i>	STC	Undergrad
17 2:45	<i>Jessica Barrera, Melissa Vasquez, Roberto Hernandez, Enrique Ugarte</i>	<i>Hydrologic Impact of Resacas on the Brownsville Ship Channel Water Quality</i>	UTRGV	Undergrad

***Poster Winners will be announced after 3:00 pm. Entire team must be present.**