

# 2010 Shlemon Specialty Conference

## Modern Subsidence, Sea-Level Rise, and the Future of the Gulf Coast

Sponsored by the Association of Environmental & Engineering Geologists and AEG Foundation  
May 13 – 15, 2010 ~ The San Luis Resort ~ Galveston Island, Texas

### Modern Subsidence, Sea-Level Rise, and the Future of the Gulf Coast

Shlemon Specialty Conferences provide an intensive 3-day forum of technical discussions among researchers and practitioners, with focus on topics beneficial to society and directly related to application of the engineering and environmental geosciences. The conferences are intended to disseminate practice and research results, and to foster improvement and understanding of applied geology.

The sixth Shlemon Specialty Conference, *Modern Subsidence, Sea-Level Rise, and the Future of the Gulf Coast*, will include keynote presentations by invited experts, a field excursion, poster sessions, and ample time for informal interaction.

The **Subsidence Field Trip** held in conjunction with the conference on the second day will include various stops around Galveston and the Bay Area to observe locations that could be or have been impacted by subsidence. Field trip leaders are Dr. Carl Norman and Richard Howe. Attendees will be transported to the field trip stops by rented bus.

The technical focus of the conference concerns:

- Subsidence measurements
- Processes causing subsidence
- Quaternary geology of the Gulf Coast
- Coastal flooding, and protection
- Space-based geodesy of New Orleans
- Subsidence of New Orleans
- Northern hemisphere glaciations and crustal physics, subsidence modeling
- In-SAR and oil field subsidence
- Groundwater-induced subsidence of the Gulf Coast

Abstracts for poster sessions are invited and will be organized on various topics. Posters will be on display throughout the entire conference with time set aside each day for review and discussion.

Abstracts for poster sessions should be no more than 350 words and include the title of the abstract, author(s) full name, affiliation, affiliation address, and email address and sent to Julie Keaton, Conference Director ([aegjuliek@aol.com](mailto:aegjuliek@aol.com)). Abstracts may be selected for oral presentation.

If you have any questions, please contact Cynthia Palomares, General Chair ([cpalomar@tceq.state.tx.us](mailto:cpalomar@tceq.state.tx.us)) or Roy Dokka, Technical Program Chair ([rdokka1@lsu.edu](mailto:rdokka1@lsu.edu)).

### Conference Keynote Speaker

**Dr. Roy K. Dokka**, Executive Director of the Center for GeoInformatics, Director of the Louisiana Spatial Reference Center, and Fuehan Endowed Professor of Engineering, Louisiana State University, will speak on *The Nature of Modern Subsidence: The basics: Definition, Measurement, and Natural and Anthropogenic Processes* and will provide a case history: Late 20<sup>th</sup> Century Subsidence of New Orleans and its Causes Revealed". (Dr. Dokka is a structural geologist and geodesist).

### Conference Speakers

**Dr. John Anderson**, Rice University: *Late Quaternary Global Sea-Level Rise and Its Impact on the Northern Coast of the Gulf of Mexico – Past, Present and Future*

**Dr. Erik Ivins**, California Institute of Technology/Jet Propulsion Laboratory: *Subsidence and the Physics of Later Quaternary Sediment and Water Loading of the Lithosphere in the Mississippi River Delta Region*

**Dr. Tom Holzer**, USGS: *The Importance of Faulting and Groundwater Offtake in the Subsidence History of the Houston Area*

**Dr. Sean Buckley**, University of Texas: *Use of Radars for Subsidence Studies*

**Dr. Ronald Blom**, California Institute of Technology/Jet Propulsion Laboratory: *Advanced Radar Systems for Coastal Subsidence Monitoring in the Future*

## ***The San Luis Resort Spa & Conference Center***

Location:

5222 Seawall Blvd., Galveston, TX 77551

Phone: 800-392-5937

Reservations must be made no later than April 15!

Discover unparalleled luxury at The San Luis Resort, Spa & Conference Center, a 30-acre year-round beachfront hotel and resort property on beautiful Galveston Island, Texas. Recipient of the AAA Four Diamond Award® since 2000, The San Luis Resort features lavish accommodations, breathtaking Gulf views and personalized service. ([www.sanluisresort.com](http://www.sanluisresort.com))

### ***Dinner after Field Trip***

At the conclusion of the field trip, dinner will be provided at the Gaido's Famous Seafood Restaurant.

A tradition of excellence for over 92 years, Gaido's Famous Seafood Restaurant first opened in 1911 when S.J. Gaido, opened his restaurant. The Gaido family commitment was to make the trip to Galveston Island worthwhile with the best in service and the finest in seafood.

**Dr. George Davis** will be the dinner's Keynote Speaker. Dr. Davis is a Regents Professor in the Department of Geosciences at the University of Arizona. His primary scientific interest has been field-oriented structural geology, with applications in regional tectonics and active tectonics. His current research is in Greece, where he is a team leader on the Mt. Lykaion (Zeus) Sanctuary and Excavation Site in the Peloponnesus. His role is to interpret the geologic history of the site, including active tectonics, in specific relationship to the archaeology of Lykaion.

**20 Professional Development Hours  
(PDH's earned upon attendance. No partial credit given –  
must attend the entire conference to earn the 20 PDH's.)**