



# South Florida Hydrologic Society

Presents

## ***High Time Resolution Modeling of Groundwater Levels in the Arch Creek Basin Repetitive Loss Areas***

Dr Mike Sukop, Professor

Sea Level Solutions Center/Department of Earth and Environment

Florida International University

Dr Sukop will present preliminary high time resolution groundwater modeling of the Arch Creek basin area. High time resolution is necessary to capture the short-lived effects of rain events and their interaction with tidal fluctuations. Flooding events have led to repetitive damage and insurance losses in this low-lying basin, which is located just north of North Miami. Flooding is correlated with high groundwater levels in this basin and the area is considered a harbinger of inland flooding that may occur in many more places in the future.

**AND - Nominations for Officers!**

## **February 1, 2017**

**Social Hour 5:30-6:30** followed by short **Business Meeting 6:00-6:30** with **Talk 6:30-7:30 PM**

Please **RSVP** to Keren Bolter [kbolter@fau.edu](mailto:kbolter@fau.edu)

**Wings Plus**

**9880 W. Sample Rd**

**Coral Springs Fl 33065**

<https://goo.gl/maps/WjxS2GDtKl92>

The South Florida Hydrologic Society (SFHS <http://sfhs.fiu.edu>) is a non-profit, professional society, established to provide:

- A forum for the exchange of information related to the unique groundwater and surface water hydrology of South Florida
- Professional networking opportunities for students, scientists, consultants, regulators, and utilities
- Professional development through mentoring and education
- Outreach to the general public on South Florida-related hydrologic issues

For more information, contact:

- Chuck Downer/USACE
- Dorothy Sifuentes/USGS
- Tara Root/FAU
- Keren Bolter/South Florida Regional Council
- Elizabeth Geddes/SFWMD