Instabilities and bifurcations in sheared, rotating and convective flows, thin films, magnetohydrodynamics, geophysical and astrophysical flows. Transition to turbulence, flow control, bio-locomotion. Industrial, environmental and biomedical applications. Experimentation, theoretical and numerical methods. Minisymposia and topical sessions on active matter; petroleum hydrodynamics; special session: “Development of Theory of Hydrodynamic Stability in Former Soviet Union”.

Potential proposers are invited to suggest other special sessions.

Important Dates
Deadline for abstract submission
February 1, 2017
Notification of acceptance
March 15, 2017
Deadline for registration
May 15, 2017

Organizing Committee
Alexander Mikishev (Conference Chair) – SHSU
Barry Friedman – SHSU
Vladimir Ajaev – SMU
Vemuri Balakotaiah – University of Houston

Plenary Speakers
Ranga Narayanan – University of Florida
Moshe Matalon – University of Illinois
Edriss S. Titi – Texas A&M
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