

# *State-of-the-Art Flow Field Analysis and Visualization*

<http://www.cs.mtu.edu/~chaoliw/vis13-tutorial.htm>

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Daniel Weiskopf	<i>University of Stuttgart</i>
Tom Peterka	<i>Argonne National Laboratory</i>
Guoning Chen	<i>University of Houston</i>

*IEEE VIS Tutorial*

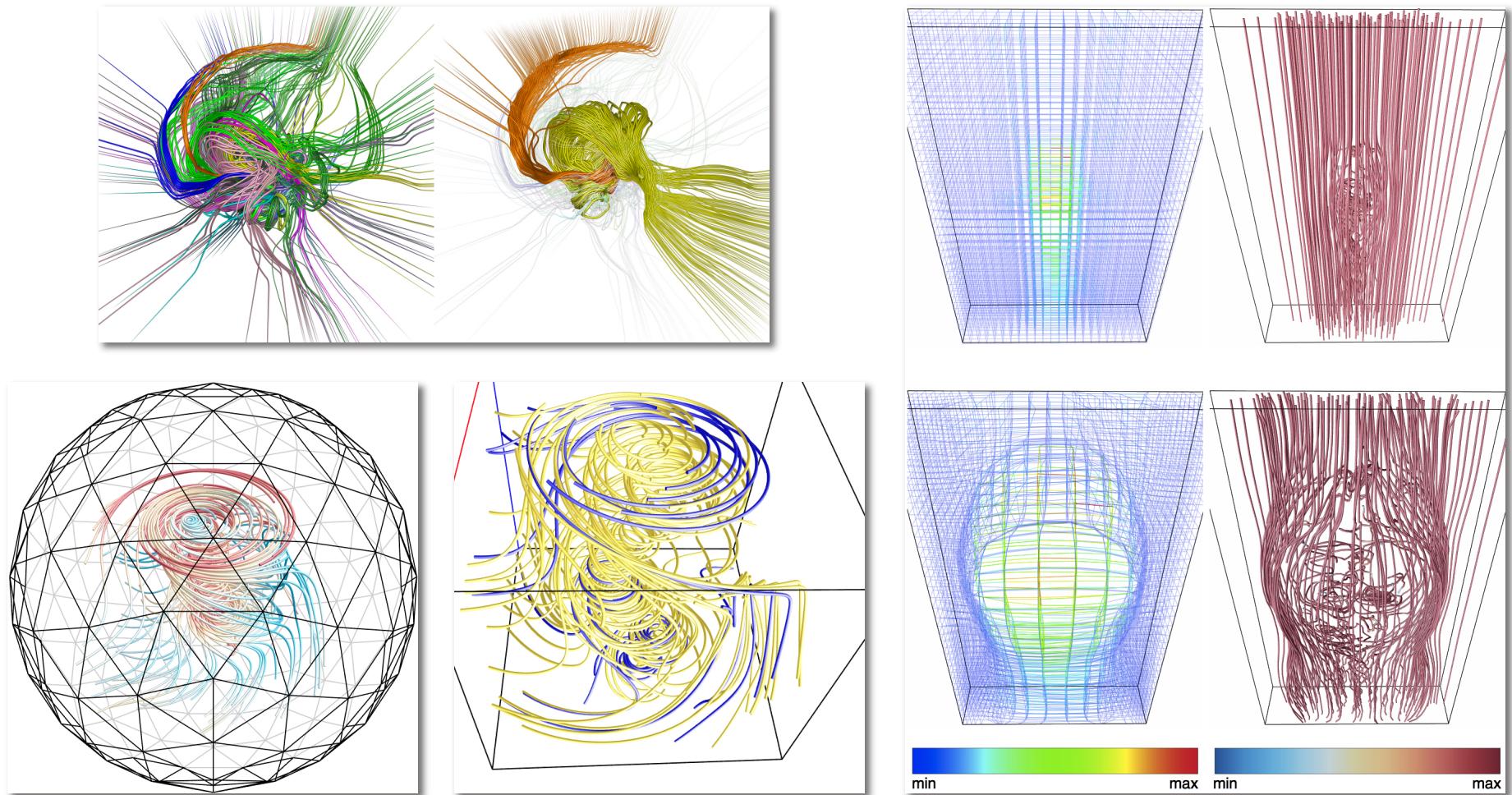
13 Oct 2013 Atlanta, GA

# Schedule

- 8:30 Introduction and fast forward
- 8:40-9:15 Chaoli Wang
- 9:15-9:50 Daniel Weiskopf
- 9:50-10:10 Han-Wei Shen
- 10:10-10:30 Break
- 10:30-10:45 Han-Wei Shen (cont.)
- 10:45-11:20 Tom Peterka
- 11:20-11:55 Guoning Chen
- 11:55-12:10 Q&A and discussion

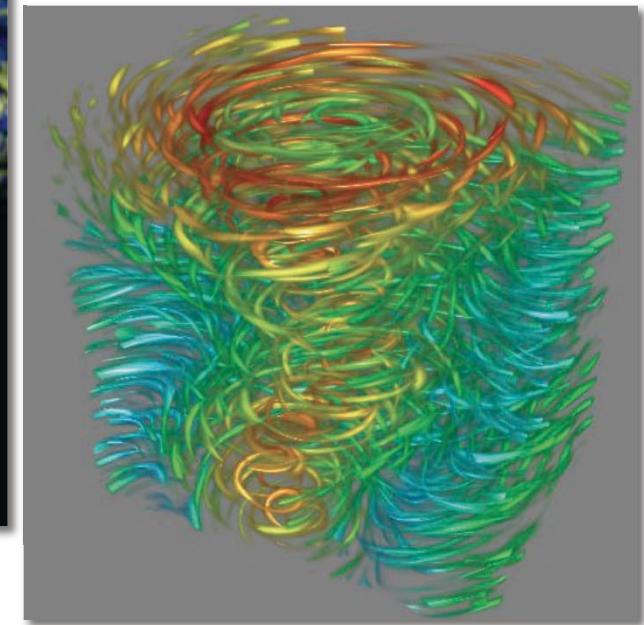
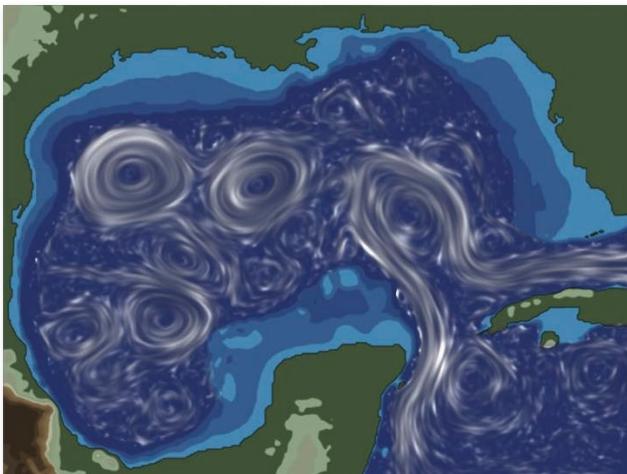
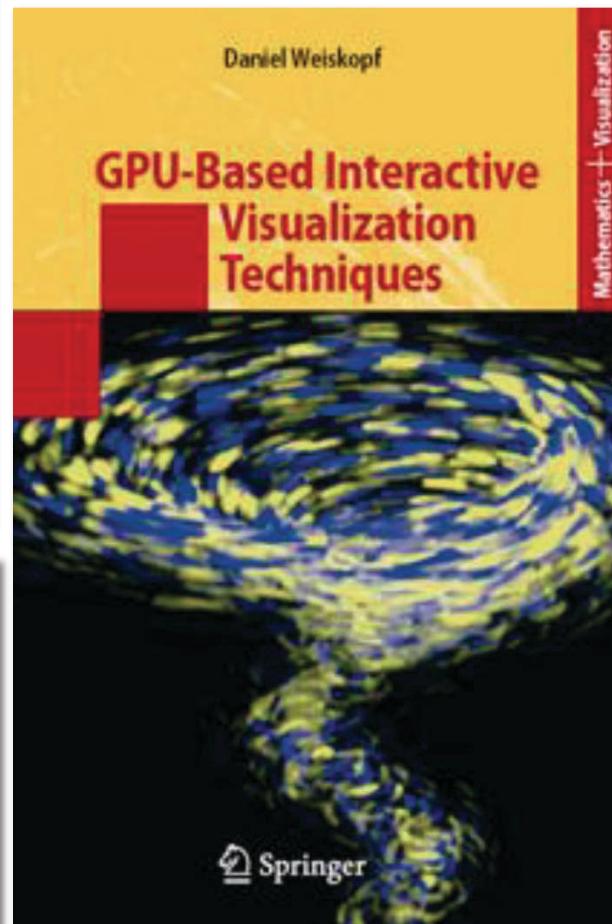
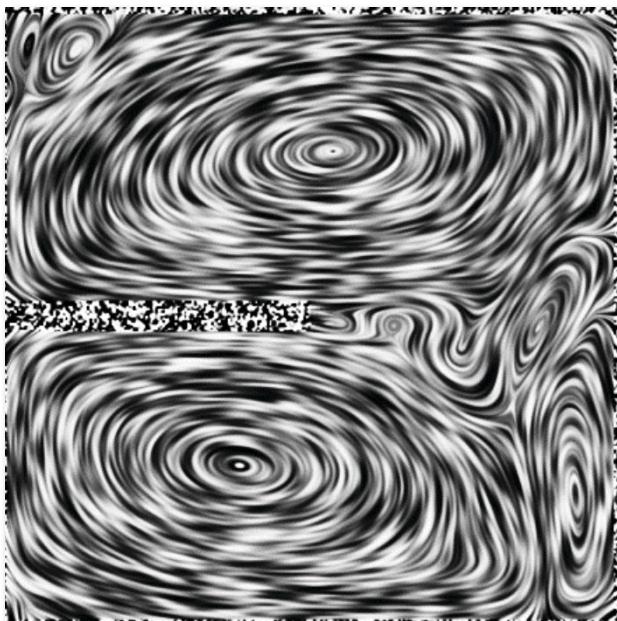
# Streamlines in 3D: techniques beyond seed placement

Chaoli Wang



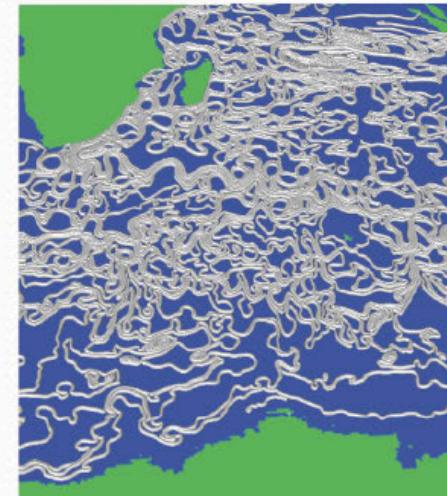
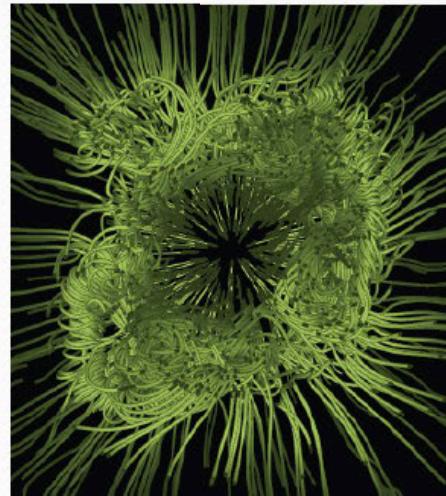
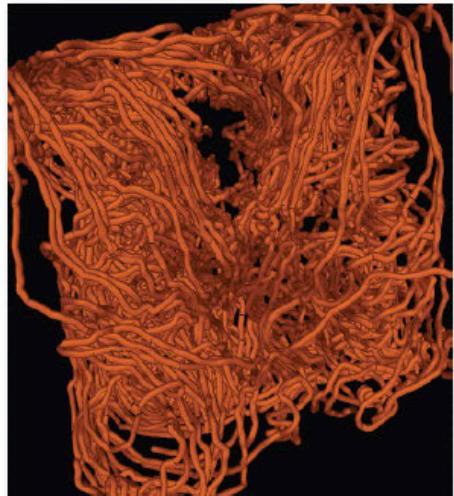
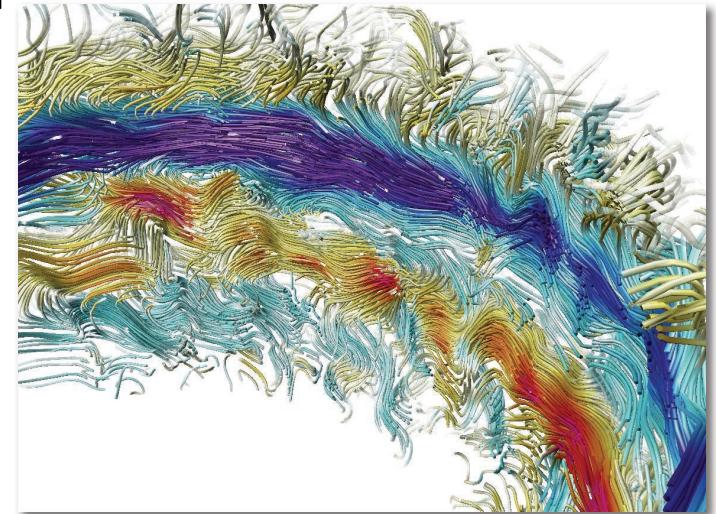
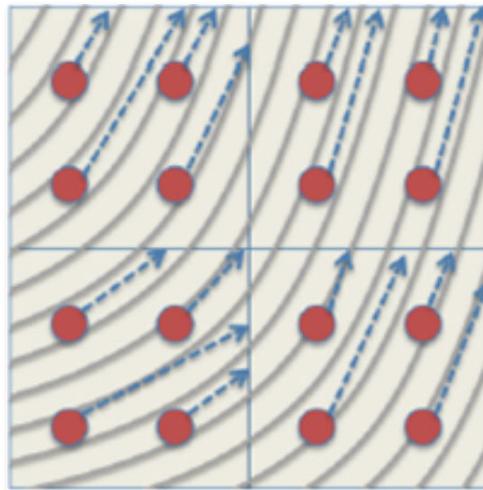
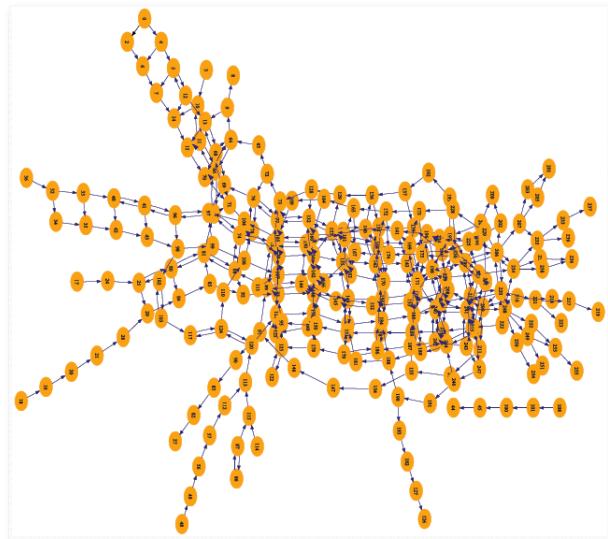
# Texture-based flow visualization

## Daniel Weiskopf



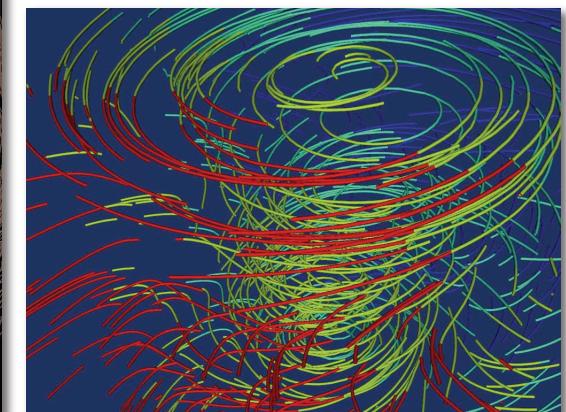
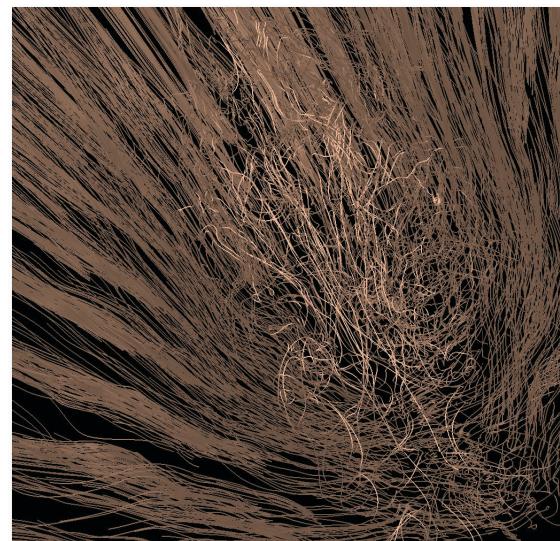
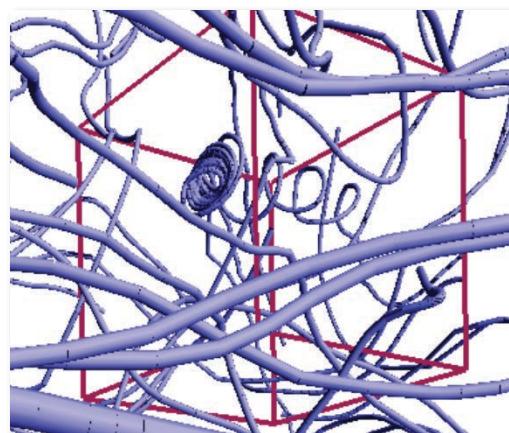
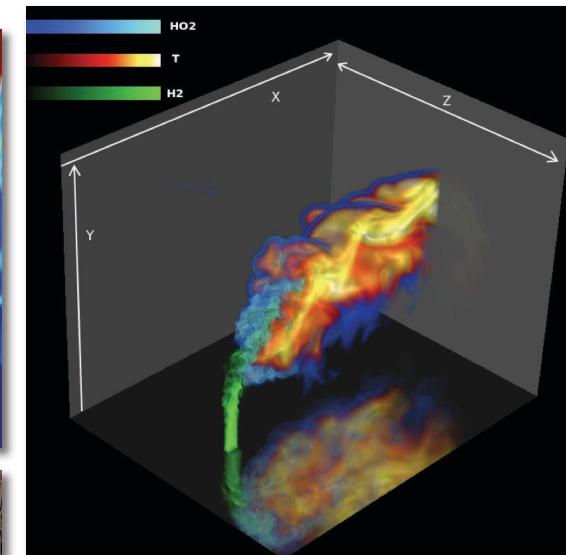
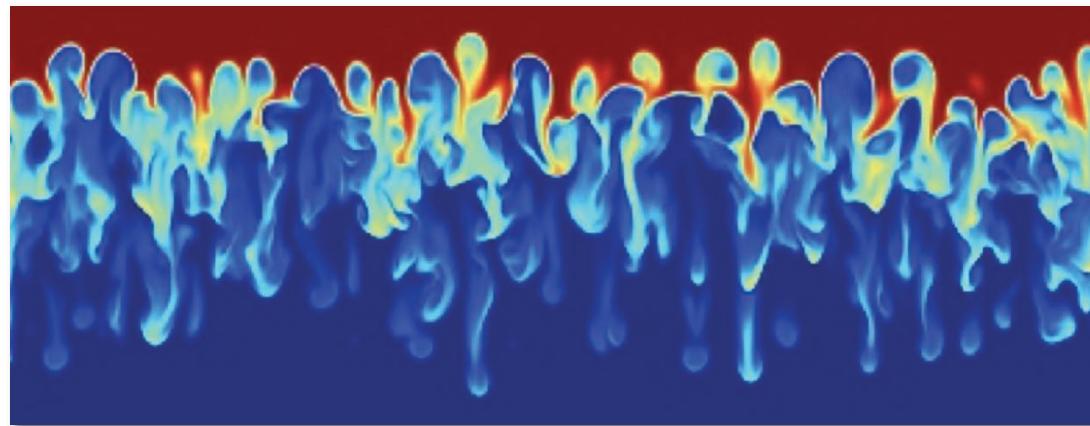
# Graph-based analysis of large scale flow fields

Han-Wei Shen



# Foundations of data-parallel particle advection

## Tom Peterka



# Vector field topology in flow analysis and visualization

Guoning Chen

