International Workshop
“Small Satellite and Sensor Technology for Disaster Management”

• Key Drivers of the SSTDM Workshop
• SSTDM Presentation Focus

Suraj Rawal, Ph.D.
SSTDM Co-Chair
Human activities = impacts

- Global Warming
- Water, Air, & Land Pollution
- Resource Depletion
- Ozone Depletion
- Reduction of Biodiversity
- Population Increase & Economic Growth
Hazards

Atmosphere
- Hurricanes
- Dust storms
- Thunderstorms
- Tornadoes
- Wind
- Fog
- Extreme precipitation
- Lightning

Land
- Landslides
- Extreme temperatures
- Floods and flash floods
- Volcanoes
- Earthquakes
- Snow
- Avalanches
- Epidemics
- Wild fire
- Droughts

Ocean
- Tsunamis
- Chlorophyll bloom (HABs)
- El nino and la nina
- Cyclones
- Snow and ice

Remote Sensing
Models and Analysis

Climate
Collaborative Concept Papers/Projects

- **Unique Opportunity** to Collaborate and Encourage Next Gen. Researchers
- **SSTDM Presentation Focus**
  - State-of-the Art
  - *Technical Challenges and Gaps*
  - What should/Could be Done
Message from Dr. Ray Johnson, Senior VP, CTO, Lockheed Martin Corporation

• My Sincerest Apologies to All the Workshop Participants
• Best Wishes for the Workshop to be Very Successful