ESSIC Academic Faculty

Jointly appointed ESSIC/AOSC

Zhanqing Li, Professor
Aerosol/Cloud Physics/ Radiation

Xin-Zhong Liang, Professor
Regional Climate Modeling, CWRF

Fernando Miralles-Wilhelm
Professor, ecohydrology and water resources

Raghu Murtugudde, Professor
Earth System Science, Sustainability

Kayo Ide, Associate Professor
Dynamics of atmosphere and ocean

Sumant Nigam, Professor
Climate Diagnostics
Hydroclimate Variability

Ross Salawitch, Professor
Atmospheric Composition, Carbon Cycle
Stratospheric Ozone

Jointly appointed ESSIC/GEOLOGY

Michael Evans, Associate Professor
Paleoclimate, global climate change
Hydrometeorological variations

James Farquhar, Professor
Sulfur cycle, Archean atmosphere,
Atmosphere-surface interactions /evolution

Sujay Kaushal, Associate Professor
Water Quality, Biogeochemistry

Steve Halperin, Professor and CIRUN
Director
(faculty appointment in CMNS-Dept. of Mathematics)
Figure 3-3: ESSIC growth: number and rank of research faculty; 2000-2014
(FRA=Faculty Research Assistant; RA=Research Associate)
ESSIC Research Scientists by Title

Figure 3-2: ESSIC research faculty and distribution among title/appointments.
Recent Senior Research Scientist hires

Dr. William Lau
Director, Atmospheres
NASA/GSFC

Dr. Xiaolei Zou
Professor
Florida State U.

Dr. Jay Zwally
ICESat Project Scientist
NASA/GSFC

Dr. Thomas Auligne
Project Scientist
NCAR/ESL

Dr. Mark Imhoff
Deputy Director
DOE/PNNL/JGCRI

Dr. Stephen Lord
NWS Senior Scientist
Weather and Climate
ESSIC Affinity Groups

- Aerosol/Cloud Physics/Radiation
- Hydrometeorology/Precipitation Retrieval
- Climate Variability/Policy
- Hydrology/Land Surface Processes
- Oceanography/Sea Surface Temperature
- Satellite Calibration/Validation
- Numerical Modeling/Data Assimilation
- Cryosphere
- Weather/Research-to-Operations
- Atmospheric Chemistry/Carbon
ESSIC at the 2014 AGU Fall Meeting

- 85 ESSIC Oral Presentations (44 invited)
- 133 ESSIC posters
- ESSIC leaders: 9 Primary Conveners, 7 Co-Conveners, and 15 Session Chairs

ESSIC at 2014 AMS Annual Meeting

- 64 ESSIC Oral Presentations (1 invited)
- 32 ESSIC posters