

**2003**

Tracy Depue, MS ATS

Ground truth and modeling verification of the hail quadrature parameter

Konrad Gojara, MS ECE

Radar calibration for distributed targets

Direk Khajonrath, MS ECE

Dual-polarization radar calibration

Sarah Tessendorf, MS ATS

Kinematic and microphysical evolution of the 29 June supercell observed during STEPS

**2004**

Y.G. Cho, PhD ECE

A high bandwidth radar operation over the Internet: signal analysis, network protocols and experimental validation

Sutanay Chowdhury, MS ECE

Wideband reception and processing for polarimetric radars

Brenda Dolan, MS ATS

An integrated display and analysis tool for multi-variable radar data

David Long, MS ATS

Evaluating the use of polarimetric cloud radars for studying winter storms

**2005**

Chris Rose, PhD ECE

Systems engineering evaluation of GPM dual-frequency retrieval algorithms

Kyle Wiens, PhD ATS

Kinematic, microphysical and electrical structure and evolution of thunderstorms during the severe thunderstorm electrification and precipitation study (STEPS)

**2006**

Nitin Bharadwaj, MS ECE

Range-velocity ambiguity mitigation for dual polarized weather radars

Eric Hefner, MS ECE

Range oversampling and whitening of radar signals from volume scattering

Sang-Hun Lim, PhD ECE

Reflectivity retrieval in a networked radar environment

Sarah Tessendorf, PhD ATS

Relationships between kinematics, microphysics, and lightning in high plains storms observed during the severe thunderstorm electrification and precipitation study (STEPS)

**2007**

Tarun Banka, PhD ECE

Application-aware transport services for sensor-actuator networks (Jayasumana and Chandra co-advisors)

Kyoko Ikeda, MS ATS

Observations of winter storms with a video disdrometer and polarimetric radar

Gang Xu, PhD ECE

Dynamic model for space-time weather radar observation and nowcasting

**2008**

Jim George, MS ECE

Transformation of CSU-CHILL into a virtual radar system

Kristin George, MS ATS

Polarimetric –based rainfall rates using S-band and X-band radars in the GPM-GV pilot project

Dilbert Willie, MS ECE

Attenuation statistics for X-band radar network design

**2010**

Nitin Bharadwaj, PhD ECE

Networked radar system: waveforms, signal processing and retrievals for volume targets

Evan Ruzanski, PhD ECE

Nowcasting for a high-resolution weather radar network

**2011**

Jason Fritz, PhD ECE

Precipitation observations from high frequency spaceborne polarimetric synthetic aperture radar and ground-based radar: theory and model validation

Matthew Martinez, MS ECE

Description and evaluation of the CASA dual-Doppler system

**2012**

Cuong Nguyen, PhD ECE

Electronic scan weather radar: scan strategy and signal processing for volume targets

Elizabeth Thompson, MS ATS

Microphysics and kinematics of winter storms observed by the CASA IP1 X-band dual-polarized radar network, including winter hydrometeor identification algorithm development