**2003**
Tracy Depue, MS ATS Colorado State University
Ground truth and modeling verification of the hail quadrature parameter

Konrad Gojara, MS ECE Colorado State University
Radar calibration for distributed targets

Direk Khajonrath, MS ECE Colorado State University
Dual-polarization radar calibration

Sarah Tessendorf, MS ATS Colorado State University
Kinematic and microphysical evolution of the 29 June supercell observed during STEPS

**2004**
Regina M. Allen, MS University of Oklahoma School of Meteorology
Lightning rates relative to WSR-88D radar parameters from STEPS storms

Y.G. Cho, PhD ECE Colorado State University
A high bandwidth radar operation over the Internet: signal analysis, network protocols and experimental validation

Sutanay Chowdhury, MS ECE Colorado State University
Wideband reception and processing for polarimetric radars

Brenda Dolan, MS ATS Colorado State University
An integrated display and analysis tool for multi-variable radar data

David Long, MS ATS Colorado State University
Evaluating the use of polarimetric cloud radars for studying winter storms

Stephanie A. Weiss, MS University of Oklahoma School of Meteorology
Lightning, electric field, and radar observations of the STEPS 29 June 2000 storm

**2005**
Chris Rose, PhD ECE Colorado State University
Systems engineering evaluation of GPM dual-frequency retrieval algorithms

Kyle Wiens, PhD ATS Colorado State University
Kinematic, microphysical and electrical structure and evolution of thunderstorms during the severe thunderstorm electrification and precipitation study (STEPS)

**2006**
Nitin Bharadwaj, MS ECE Colorado State University
Range-velocity ambiguity mitigation for dual polarized weather radars

Wiebke Deierling, PhD University of Alabama, Huntsville, Dept. of Atmospheric Science
The relationship between total lightning and ice fluxes

Eric Hefner, MS ECE Colorado State University
Range oversampling and whitening of radar signals from volume scattering

Sang-Hun Lim, PhD ECE Colorado State University
Reflectivity retrieval in a networked radar environment

Sarah Tessendorf, PhD ATS Colorado State University
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 Colorado State University
Application-aware transport services for sensor-actuator networks (Jayasumana and Chandra co-advisors)

Kyoko Ikeda, MS ATS Colorado State University
Observations of winter storms with a video disdrometer and polarimetric radar

Gang Xu, PhD ECE Colorado State University
Dynamic model for space-time weather radar observation and nowcasting

**2008**
Jim George, MS ECE Colorado State University
Transformation of CSU-CHILL into a virtual radar system

Kristin George, MS ATS Colorado State University
Polarimetric –based rainfall rates using S-band and X-band radars in the GPM-GV pilot project

Delbert Willie, MS ECE Colorado State University
Attenuation statistics for X-band radar network design

**2010**
Nitin Bharadwaj, PhD ECE Colorado State University
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 Colorado State University
Precipitation observations from high frequency spaceborne polarimetric synthetic aperture radar and ground-based radar: theory and model validation

Matthew Martinez, MS ECE Colorado State University
Description and evaluation of the CASA dual-Doppler system

**2012**
Cuong Nguyen, PhD ECE Colorado State University
Electronic scan weather radar: scan strategy and signal processing for volume targets

Elizabeth Thompson, MS ATS Colorado State University
Microphysics and kinematics of winter storms observed by the CASA IP1 X-band dual-polarized radar network, including winter hydrometeor identification algorithm development

**2013**
Brody R. Fuchs, MS ATS Colorado State University (to be completed in December)
Electrical characteristics of storms and their dependence on environmental conditions