

Neil A. Stuart
Wakefield, VA

Education

Narragansett High School (Narragansett, RI) Class of 1986
B.S. Meteorology (1990), State University of New York at Albany
Emerson College, Boston, 6 credits of television training courses (1990)

Work Experience

Senior Forecaster
NWS Wakefield, VA (11/00 to present)
MIC Anthony Siebers (757) 899-5730

- Review and/or approve public, aviation, marine, fire and other weather forecasts, information and products before issuance.
- Serve as the primary contact with adjacent WFOs, the National Centers, RFCs, CWSUs, and other NWS facilities for coordinating forecast products.
- Serve as the primary contact with other federal, state, and local agencies, and emergency management and law enforcement officials.
- Provide weather advice and guidance to the general public, and to agricultural, commercial, transportation and recreational interests.
- Ensure forecast product integrity and optimize customer service through the establishment of relationships with users of special program forecasts or in Focal Point activities as assigned by the MIC.

Journey Forecaster
NWS Wakefield, VA (6/94 to 11/00)

Intern
NWS Wilmington, NC (1/91 to 6/94)
NWS Albany, NY (9/89 to 12/89) - Taken for credit at college

Volunteer
NWS Providence, RI (6/89 to 12/90)
WJAR-TV Providence, RI (6/90 to 8/90)

Professional Experience

- Chair – Upcoming ‘Symposium on the Public and Private Sector Partnership’, planned for the 2006 AMS Annual Meeting
- Chair - ‘Second Forum on the Future Role of the Human in the Forecast Process’ (2005 AMS WAF/NWP Conference)
 - Session 1 – Reaching the goals outlined in the first forum on the future role of the human in the forecast process
 - Session 2 – Cognitive psychological aspects of expert weather forecasters
 - Session 3 – Future roles of the public and private sectors
- Chair - ‘Forum on the Future Role of the Human in the Forecast Process’ (2004 AMS Meeting)
- Co-Chair - 20th Conference on Weather and Forecasting (2004)
- IFPS Science Steering Team - Led regional focus group addressing the future role of NCEP centers in the production of forecast grids (December 2004 to January 2005)
- Chair - Science Fair at elementary school, included presentation to an audience of 200 (2004)
- Member of NOAA team supporting National Science Teachers Association Convention, featured in December 2004 NWS Focus (2004)
- Chair - AMS Board for Operational Government Meteorologists (2003-2005)
- Member of AMS Board of Operational Government Meteorologists (1999-2005)
- Member of AMS Weather and Forecasting Committee (2002-present)
- Letter of Commendation for Service on AMS BOGM from Eastern Region Director Dean Gulezian (2004)
- Special Awards Judge for AMS at the VA State Science and Engineering Fair (2003)
- Organizing committee and session chair for AWIPS Symposium (2002)
- Organizing committee for 19th Conference on Weather and Forecasting (2002)
- Led organizing committee, conducted local office Winter WX workshop (2002)
- Chair - Poster session at the Mid-Atlantic Winter Storms Conference (2002)
- Hurricane program leader - NWS Wakefield, VA (2001-present)
- Radar program leader - NWS Wakefield, VA (1996-present)
- Satellite program leader - NWS Wakefield, VA (1994-present)
- Office Webmaster - NWS Wakefield, VA (1998-2001)
- Collaborations - NSSL, CIRA, Dominion VA Power, numerous NWS Offices, N.C. State, Plymouth State, Texas A & M, Air Force Weather Agency, Mitretek Systems, Accu Weather, St. Louis University, Decisionmaking.com, University of Washington
- Participant - 2 COMET projects and 2 CSTAR projects
- Public Service duty and media contact at NHC/TPC during Hurricane Frances 2004 watch/warning operations
- Member of AMS and NWA since 1992

Journal Publications:

- Characteristics of Cloud and Precipitation Plumes over the Chesapeake Bay. *Bull. Amer. Meteor. Soc.*, **84**, 11, 1337-1340. (2003)
- Operational Considerations of the WSR-88D Precipitation Processing Subsystem during the Convective Flooding Event of 11 August 1994 in Northern Virginia. *Nat. Wea. Digest*, **23**, 3, 21-31. (1998)
- The WSR-88D Depiction of the 6 September 1994 Split Cell Thunderstorms in Southern Virginia. *Nat. Wea. Digest*, **21**, 2, 18-30. (1997)
- Training Symposium for Operational Forecasters in the Carolinas and Virginia. *Bull. Amer. Meteor. Soc.*, **77**, 12, 2937-2945. (1996)
- Synoptic and Mesoscale Features Leading to the 10 March 1992 Charlotte, North Carolina Tornado: A Low-Top Weak-Reflectivity Severe Weather Event. *Nat. Wea. Digest*, **18**, 4, 29-42. (1994)
- Lead author for submitted Bull. of AMS article summarizing the Forum on the Future Role of the Human in the Forecast Process -Collaboration with Air Force Weather Agency, University of Missouri, North Carolina State University, NSSL, Accu Weather
- Lead Author for submitted AMS Weather and Forecasting Journal Article entitled "Using wind anomalies to forecast east coast winter storms" – Collaboration with Richard Grumm of NWSFO State College, PA
- Reviewer for Weather and Forecasting Journal article: Weather Forecasting by Humans - Heuristics and Decision Making (2004)
- Reviewer for Bulletin of the AMS Journal upcoming article: An Analysis of a Frontogenetically Forced Early-Spring Snowstorm (2004)

Conference Pre-prints:

- 22nd Conference on Severe Local Storms, Hyannis, MA, Amer. Meteor. Soc, **22**, 12.8. (2004)
- 20th Conference on Weather and Forecasting, Ft. Lauderdale, FL, Amer. Meteor. Soc, **20**, 9.2. (2004)
- 11th Conference on Satellite Meteorology, Madison, WI, **11**, P2.16. (2001)
- 18th Conference on Weather and Forecasting, Ft. Lauderdale, FL, Amer. Meteor. Soc, **18**, 5.9. (2001)
- 18th Conference on Weather and Forecasting, Ft. Lauderdale, FL, Amer. Meteor. Soc, **18**, P3.10. (2001)
- 24th Conference on Hurricanes and Tropical Meteorology, Fort Lauderdale, FL, Amer. Meteor. Soc, **24**, 522-524. (2000)
- 19th Conference on Severe Local Storms, Minneapolis, MN, Amer. Meteor. Soc., **19**, 124-127. (1998)
- 19th Conference on Severe Local Storms, Minneapolis, MN, Amer. Meteor. Soc., **19**, 424-427. (1998)
- 28th Conference on Radar Meteorology, Austin, TX, Amer. Meteor. Soc., **28**, 361-363. (1997)
- 22nd Conference on Hurricanes and Tropical Meteorology, Fort Collins, CO, Amer. Meteor. Soc, **22**, 672-674. (1997)
- 15th Conference on Weather and Forecasting, Vienna, VA, Amer. Meteor. Soc, **15**, 378-382. (1996)
- 13th Conference on Weather and Forecasting, Vienna, VA, Amer. Meteor. Soc, **13**, 443-447. (1993)

Other publications:

- The Synoptic Characteristics of the 4 November 1992 Tornado Outbreak in North Carolina: A Low Top Weak Reflectivity Severe Weather Episode. Dept. of Commerce, NOAA, National Weather Service, Eastern Region Technical Attachment, March 1995, **Vol. 95-3**. (1995)
- Marine Aspects of the 25 January 2000 Storm in Virginia and the Northern Outer Banks of North Carolina. *Mariners Weather Log*, **44**, 2, 62-65. (2000)
- Marine Effects of the Memorial Day 2000 Storm in Virginia and the Northern Outer Banks of North Carolina. *Mariners Weather Log*, **44**, 3, 25-32. (2000)

Conference Presentations:

- Over 25 oral and poster presentations at AMS and NWA conferences, local conferences/seminars (1993-present)
- Specialized conference participation includes:
 - Panel expert, Improving QPF (24th AMS Conference on Hurricanes and Trop. Met., 2000)
 - Panel expert, Future of mesoscale weather prediction (18th Conference on Weather and Forecasting, 2001)
 - Panel Expert, Winter Weather training (Mid-Atlantic Winter Weather Storms Conference, 2002)
 - Conducted Winter Weather Workshops at NWA meetings (2000 and 2002)
 - 2000: Ice Storm Forecasting Scenario
 - 2002: Midwestern Blizzard Weather Event Simulator Training Case

References

Brian Motta