AMS Workshop on Remote Sensing: Radar and Satellite Applications for the Broadcast Meteorologist

A workshop, entitled “Remote Sensing: Radar and Satellite Applications for the Broadcast Meteorologist,” sponsored by the American Meteorological Society and organized by the AMS Board of Broadcast Meteorology, will be held on Sunday, 20 June 1999, at the Coronado Springs Resort in Walt Disney World, Orlando, Florida.

This one-day workshop will focus on the daily operational use of radar and satellite imagery by the broadcast meteorologist. Topics will include new GOES satellite imagery products and future plans for GOES products, as well as case studies from severe weather events. Several National Weather Service Forecast Offices will share their research and findings based on satellite and radar use during specific weather events. An interactive radar decision-making session is also planned.

For additional information, contact Vince Condella, WITI-TV, Milwaukee, WI 53209; telephone: 414-362-2187; fax: 414-362-2141. For registration, hotel, and general information, please contact the AMS Meetings Department; telephone: 617-227-2426 ex. 226; fax: 617-723-8682; e-mail: amsmtgs@ametsoc.org.

AMS Short Course on Tropical–Extratropical Interaction and Predictability

An AMS short course on tropical–extratropical interaction and predictability, sponsored by the American Meteorological Society, will be held Sunday, 12 September 1999, preceding the 17th Conference on Weather Analysis and Forecasting, the 13th Conference on Numerical Weather Prediction, and the Eighth Conference on Climate Variations, in Denver, Colorado.

This one-day short course will emphasize the potential improvements in predictability to be gained by utilizing knowledge of tropical–extratropical interaction over a broad range of timescales. Topics include 1) observational evidence of tropical–extratropical interaction at interannual timescales, with an emphasis on the El Niño–Southern Oscillation phenomenon; 2) observations of the tropical influence on extratropical weather at intraseasonal timescales, with a focus on the Madden–Julian Oscillation and other higher-frequency phenomena; 3) theoretical basis for the dynamics of tropical–extratropical interaction; and 4) statistical aspects of tropical–extratropical interaction, emphasizing predictability.

For further information, contact George Kiladis, Aeronomy Laboratory, NOAA/ERL, R/E/AL3, 325 Broadway, Boulder, CO 80303; telephone: 303-497-3892; fax: 303-497-5373; e-mail: gkiladis@al.noaa.gov. For registration and hotel and general information, please contact the AMS Meetings Department; telephone: 617-227-2426, ex. 227, 228, or 305; fax: 617-742-8718; e-mail: amsmtgs@ametsoc.org.
developers of each of the following models: RAMS, MM5 COAMPS, HOTMAC, FINTAH, and others.

The preliminary program will be published in a future issue of the Bulletin. For further information please contact Sayuri Yamada, Yamada Science & Art Corporation, Route 4 Box 81-A, Santa Fe, NM 87501; telephone: 505-989-7351; fax: 505-989-7965; e-mail: ysa@ysasoft.com.

AMS Short Course on Data Mining and Knowledge Discover from Databases

A short course, “Introduction to Data Mining and Knowledge Discovery from Databases,” sponsored by the AMS Committee on Artificial Intelligence, will be held 9 January 2000 as part of the 80th AMS Annual Meeting at the Long Beach Convention Center in Long Beach, California.

This course is being presented to provide an overview and introduce the principles of data mining. Data mining refers to the specific algorithms applied to data in order to extract patterns. Recent advances in data collection and computing power have created a need for a greater variety and more sophisticated methods of data reduction and analysis. These methods are collectively grouped in the field of knowledge discovery from databases, which refers to the overall process of discovering useful information from data. The application of data mining, especially in terms of meteorological problems, will be discussed and the available tools will be reviewed. Topics may include 1) what data mining is and when to use it, 2) goals of data mining, 3) knowledge discovery from databases, 4) data warehousing, 5) available mining tools, 6) determining the appropriate tool/methodology, and 7) current application examples.

For further information on the short course, contact Richard L. Bankert, Naval Research Laboratory, 7 Grace Hopper Ave., Monterey, CA 93943-5502; telephone: 831-656-4880; fax: 831-656-4769; e-mail: bankert@nrlmry.navy.mil.

AMS Short Course on Becoming a Weather Entrepreneur

An AMS short course on becoming a weather entrepreneur, sponsored by the American Meteorological Society, organized by the AMS Board on Private Sector Meteorology, and cosponsored by the National Council of Industrial Meteorologists, will be held on Sunday, 9 January 2000, preceding the 80th AMS Annual Meeting in Long Beach, California.

In today’s business world, a major shift to outsourcing for technical services has occurred because of budget cuts, downsizing, and layoffs. In the wake of this shift, the option to start a weather consulting business as a long-term career path is presented to individuals. There are many valid reasons why an individual may want to pursue consulting as a part- or even full-time practice. Multitudes of information sources are available for starting a small business; however, the information on starting a weather business venture is greatly limited.

In this short course, the focus will be on the ins and outs of starting a weather consulting business, from the successful voice of experience — those who have created a profitable weather consulting business. Learn about the components of a successful weather entrepreneur, business plans, and related business necessities such as marketing, proposal writing, customer relationships, and government assistance plans. The goal of this course is to provide real information on the private weather consulting business to help individuals make the decision whether to venture into this potentially profitable and self-satisfying career path.

For further information contact Matthew J. Parker, organizing committee chairman, senior meteorologist, Savannah River Technology Center, Bldg. 735-7A, Aiken, SC 29808; telephone: (W) 803-725-2805; (H) 706-855-6397; fax: 706-869-1841; e-mail: parker@groupz.net; or Phillip Falconer, Falconer Weather Information Services, 7 Via Maria Drive, Scotia, NY 12302-5717; telephone: 518-399-5388; fax: 518-399-5320.

Submission Information

All organizations are invited to submit programs for inclusion in the Continuing Education column. Please send submissions to the Bulletin News Editor, AMS, 45 Beacon St., Boston, MA 02108; telephone: 617-227-2426 ext. 233; fax: 617-742-8718; e-mail: rthomas@ametsoc.org. Please include the following information: program title, brief description, and contact information, including name, address, phone and fax numbers, e-mail address, and URL of Web site when available.
Edited by Melvyn A. Shapiro and Sigbjørn Grønås

Containing expanded versions of the invited papers presented at the International Symposium on the Life Cycles of Extratropical Cyclones, held in Bergen, Norway, 27 June–1 July 1994, this monograph will be of interest to historians of meteorology, researchers, and forecasters. The symposium coincided with the 75th anniversary of the introduction of Jack Bjerknes’s frontal-cyclone model presented in his seminal article, “On the Structure of Moving Cyclones.” The monograph’s content ranges from a historical overview of extratropical cyclone research and forecasting from the early eighteenth century into the mid-twentieth century, to presentations and reviews of contemporary research on the theory, observations, analysis, diagnosis, and prediction of extratropical cyclones. The material is appropriate for teaching courses in advanced undergraduate and graduate meteorology.

The Life Cycles of Extratropical Cyclones is available for $65 list/$45 members. Prices include shipping and handling. Please send prepaid orders to Order Department, American Meteorological Society, 45 Beacon St., Boston, MA 02108-3693 or call (617) 227-2425. Visa, MasterCard, or American Express accepted.