Mesoscale Modeling Branch

DiMego, Geoff - Branch Chief

Black, Tom : modeling, nesting, modeling infrastructure, NEMS

Du, Jun : SREF implementor, regional ensembles, bias correction, ensemble products

Janjic, Zavisa : NMMB (regional and global) modeler, dynamics & physics

Keyser, Dennis : observation processing, monitoring, quality control etc

Lin, Ying : precipitation – assimilation, analysis and verification

Manikin, Geoff : RUC & HYSPLIT implementor, severe weather, diagnostician

McQueen, Jeff : air quality (NAQFC), dispersion, aerosol modeling

Parrish, Dave : data assimilation – strong & weak constraints, satellite channel bias correction, radar, NEMS etc

Pyle, Matt : HiResWindow implementor, hi-res, severe wx & community modeling, NEMS preprocessing system (NPS), digital filter

Rogers, Eric : NAM + NDAS + DGEX implementor, real-time & retrospective parallels, verification, diagnostician

Wu, Wan-Shu : data assimilation - obs & background errors, data impact, etc

Ek, Michael : cross-branch land-surface modeling team lead

Visiting Scientists

Bua, Bill : COMET, documentation, forecaster facilitation

Carley, Jacob : ultra high resolution assimilation of radar obs

Mesinger, Fedor : North American regional reanalysis, regional climate modeling, precipitation verification

Mirvis, Eugene : NEMS & ensemble systems functional equivalent for DTC and outside users

Shao, Hui : data assimilation, representative from NCAR testbed assisting with community support of GSI

Vasic, Ratko : modeling infrastructure, NEMS, physics interoperability

Contractors

Aligo, Eric : model physics & testing

Colon, Edward : NEMS launcher, modeling infrastructure, digital filter

Ferrier, Brad : microphysics and model physics testing lead, launchers

Gayno, George : terrain & fixed external fields interfacer (e.g. sst, snow, etc)

Huang, Ho-Chun : smoke modeling, air quality & aerosol data assimilation

Huang, Jianping : NAQFC implementor, air quality modeling

Jovic, Dusan : modeling, nesting & ensembling infrastructures, NEMS

Krasowski, Greg : satellite obs processing

Levine, Steven : mesonet metadata, quality control, MySQL

Ling, Yangrong : obs processing, uselist generation, "dropout team"

Liu, Shun : Doppler radar processing & qc, radar data assimilation

Lou, Guang Ping : verification (storm track)

Mao, Yali : aviation products, translate algorithms from C++ to Fortran

Melchior, Shelley : obs processing, qc, web docs, MySQL

Pondeca, Manuel : RTMA implementor, data assimilation - anisotropic covariance

Purser, Jim : data assimilation – recursive filters, nonlinear qc, model grid designer

Shafran, Perry : verification (fcst-vs-obs), run-history data retrieval

Tang, Youhua : NAQFC, chemistry in NEMS

Tassone, Caterine : physics testing, 10 m wind optimization

Tsidulko, Marina : air quality assessment & pbl verification

Whiting, Jeff : obs processing including marine & climate, MySQL

Wong, Vince : land-surface modeling

Wu, Yihua : land-surface modeling, fresh water lake (FLAKE) & fire wx initialization

Yang, Bo : regional ensembles

Zhou, Binbin : ensemble products, aviation products, verification (fcst-vs-anal), MySQL

Zhu, Yanqiu : data assimilation satellite channel bias correction, RTMA and pbl analysis

Zhu, Yuqiu (Julia) : verification implementor, implementations facilitator