

## 2015

### Oral Presentations

- 1: Marquis M., J. Olson, J. Kenyon, Y. Pichugina, A. Choukulkar, B. Banta, J. Wilczak, L. Bianco, I. Djalalova, K. McCaffrey, R. Eckman, J. Carley, J. Cline, 2015-6-9: **Wind Forecast Improvement Project-2 in Complex Flow – NOAA’s Plans for Improving the Rapid Refresh and High Resolution Rapid Refresh models.** *NAWEA North American Wind Energy Academy, 2015 Symposium, Blacksburg, VA, USA*
- 2: Marquis M., J. Olson, R. M. Banta, Y. L. Pichugina, S. Benjamin, E. P. James, J. M. Wilczak, I. V. Djalalova, L. Bianco, J. Carley, and J. W. Cline, 2015-1-4: **Results from the Position of Offshore Wind Energy Resources (POWER) Study.** *95th American Meteorological Society Annual Meeting, Phoenix, AZ, USA*
- 3: ( Invited ) Irina Djalalova, Luca Delle Monache, James Wilczak, 2015-9-1: **Community Multiscale Air Quality (CMAQ) PM2.5 forecast improvements to a Kalman\_filter Analog post-processing scheme.** *7th International Workshop on Air Quality Forecasting Research, College Park, Maryland, USA*
- 4: Wilczak J. M., L. Bianco, I. V. Djalalova, D. J. Gottas, P. J. Neiman, and J. B. Olson, 2015-1-4: **Meteorological Analysis of Large Power-Error Events in the Wind Forecast Improvement Project (WFIP) Data Set.** *95th American Meteorological Society Annual Meeting, Phoenix, AZ, USA*
- 5: Wilczak J., J. Cline, R. Banta, L. Benjamin, S. Benjamin, L. Berg, L. Bianco, J. Bickford, A. Brewer, A. Choukulkar, K. Clawson, A. Clifton, D. Cook, I. Djalalova, H. Fernando, K. Friedrich, J. Kenyon, B. Kosovic, C. King, M. Marquis, J. McCaa, K. McCaff, 2015-12-14: **The Second Wind Forecast Improvement Project: Observing Systems And Case Studies.** *American Geophysical Union (AGU) Meeting, San Francisco, CA, USA*

### Posters

- 1: Bianco L., I. Djalalova, D. Gottas, P. Neiman, J. Olson, J. Wilczak:, 2015-6-22: **Meteorological analysis of large power-error events in the Wind Forecast Improvement Project (WFIP) data set.** *ICEM 3rd International Conference Energy and Meteorology, Boulder, CO, USA*
- 2: Djalalova I., L. Bianco, J. Wilczak, J. Olson, J. Carley, M. Marquis, R. Banta, Y. Pichugina, J. Cline, 2015-6-22: **Evaluation of coastal and offshore winds in NOAA’s four models near turbine height and above with radar wind profiler and lidar data collected during the NEAQS 2004 field campaign.** *ICEM 3rd International Conference Energy and Meteorology, Boulder, CO, USA*

## 2014

### Oral Presentations

- 1:** Marquis M., J. Wilczak, S. Benjamin, J. Olson, L. Bianco, I. Djalalova, Y. Pichugina, R. Banta, J. Carley, J. Cline, 2014-11-11: **Observations and Forecasts for Wind Plants**, *13th Wind Integration Workshop*, Berlin, Germany, Germany
- 2:** Bianco, L., J. M. Wilczak, I. V. Djalalova, S. Calvert, J. W. Cline, C. A. Finley, J. M. Freedman, 2014-2-2: **A Ramp Tool and Metric to Measure the Skill of Numerical Weather Prediction Models at Forecasting Wind Ramp Events**. *94rd American Meteorological Society Annual Meeting*, Atlanta, GA, USA
- 3:** Djalalova, I. V., L. Delle Monache, J. Wilczak, 2014-2-2: **Analog-Kalman filter based post-processing of surface PM2.5 predictions from the Community Multiscale Air Quality (CMAQ) model**. *94rd American Meteorological Society Annual Meeting*, Atlanta, GA, USA
- 4:** Djalalova, I., L. Bianco, J. Wilczak, J. Olson, J. Carley, M. Marquis, R. Banta, Y. Pichugina, J. Cline, 2014-2-2: **Assessment of the impact of assimilation of a network of coastal wind profiling radars on simulating offshore winds in and above the wind turbine layer**. *94rd American Meteorological Society Annual Meeting*, Atlanta, GA, USA
- 5:** Pichugina, Y., R. M. Banta, A. Brewer, J. Olson, J. Carley, J. Wilczak, I. V. Djalalova, L. Bianco, M. Marquis, S. Benjamin, G. DiMego, J. W. Cline, 2014-2-2: **Characterization of marine boundary layer winds from lidar measurements and regional forecast models**. *94rd American Meteorological Society Annual Meeting*, Atlanta, GA, USA
- 6:** Wilczak J. M., L. Bianco, I. Djalalova, J. Olson, S. Benjamin, J. Carley, C. Finley, J. Freedman, J. Cline, M. Marquis, 2014-1-28: **he Impact of Remote Sensing Observations on Forecasts for Wind Energy: Results from the Wind Forecast Improvement Project (WFIP)**. *17th International Symposium for the Advancement of Boundary-Layer Remote Sensing (ISARS)*, Auckland, New Zealand, New Zealand
- 7: ( Invited )** Wilczak, J.M., B L. Bianco, I. V. Djalalova, J. B. Olson, S. Benjamin, C. A. Finley, J. M. Freedman, J. Manobianco, J. Carley, K. Orwig, J. W. Cline, M. Marquis, 2014-2-2: **An Overview of Results from the Wind Forecast Improvement Project (WFIP)**. *94rd American Meteorological Society Annual Meeting*, Atlanta, GA, USA

## 2013

### Oral Presentations

- 1: ( Contributed )** L. Bianco, J. M. Wilczak, I. V. Djalalova, J. B. Olson, S. Benjamin, C. A. Finley, J. M. Freedman, G. DiMego, J. R. Carley, K. Orwig, J. Cline, M. Marquis, 2013-12-3:

**Improving Wind Energy Forecasts through Assimilation of New Meteorological Observations: Results from the Wind Forecast Improvement Project (WFIP).** *American Geophysical Union (AGU)*, San Francisco, CA, USA

**2: ( Contributed )** L. Bianco, J. Wilczak, I. Djalalova, S. Benjamin, J. Olson, J. Freedman, C. Finley, K. Orwig, M. Marquis, G. DiMego, J. Charley, J. Cline, K. Clawson, R. Coulter, and P. Svenson, 2013-8-6: **Improving Wind Energy Forecasts through Assimilation of New Meteorological Observations: Results from the Wind Forecast Improvement Project (WFIP).** *North America Wind Energy Academy (NAWEA) Symposium*, Boulder, CO, USA

**3: ( Invited )** Wilczak J. M., S. Benjamin, I. Djalalova, L. Bianco, J. Olson, J. Freedman, C. Finley, K. Orwig, M. Marquis, G. DiMego, J. Charely, J. Cline, K. Clawson, and R. Coulter, 2013-6-25: **Data Denial Experiments from the Wind Forecast Improvement Project (WFIP).** *International Conference Energy & Meteorolog (ICEM)*, Toulouse, France

**4: ( Contributed )** I. V. Djalalova and J. M. Wilczak, 2013-9-7: **Summertime Inter-Basin Transport Between California's Central Valley and the Los Angeles Basin and its Potential Impact on Air Quality.** *Traversing new terrain in meteorological, modeling , air quality and dispersion*, UC Davis, CA, USA

**5: ( Contributed )** Wilczak J. M., S. Benjamin, J. Freedman, C. A. Finley, G. DiMego, K. Orwig, J. W. Cline, M. Marquis, L. Bianco, I. V. Djalalova, J. Olson, K. L. Clawson, R. L. Coulter, and L. K. Berg, 2013-1-5: **Data Denial Experiments from the Wind Forecast Improvement Project (WFIP).** *93rd American Meteorological Society Annual Meeting, 05–10 January, 2013*, Austin, TX, USA

## 2012

### Oral Presentations

**1: ( Invited )** Bianco L., I. V. Djalalova, and J. M. Wilczak, 2012-9-3: **Forcing Mechanisms of Planetary Boundary Layer Depths in the Los Angeles basin and Central Valley of California.** *9th International Symposium on Tropospheric Profiling (ISTP)*, L'Aquila, Italy

**2: ( Contributed )** Djalalova I. V., L. Bianco, and J. M. Wilczak, 2012-7-9: **Forcing Mechanisms of Summertime PBL Depths in the Los Angeles Basin and Central Valley of California.** *20th Symposium on Boundary Layers and Turbulence.*, Boston, MA, USA

**3: ( Contributed )** Wilczak J. M., I. Djalalova, L. Bianco, S. Benjamin, J. Freedman, C. Finley, and K. Clawson, 2012-6-5: **The Wind Forecast Improvement Project (WFIP): Deploying new observational networks for wind energy.** *16th International Symposium for the Advancement of Boundary-Layer Remote Sensing (ISARS)*, Boulder, CO, USA

**4: ( Invited )** Wilczak J. M., S. Benjamin, I. V. Djalalova, L. Bianco, J. Freedman, C. Finley, K. Orwig, J. Cline, S. Calvert, M. Marquis, G. DiMego, and A. Stern, 2012-9-10: **Enhancing short term wind energy forecasting for improved utility operations: the Wind Forecast Improvement Project (WFIP)**. *12th EMS Annual Meeting & 9th European Conference on Applied Climatology (ECAC)*, Łódź, Poland

**5: ( Invited )** Wilczak J. M., S. Benjamin, I. V. Djalalova, L. Bianco, S. Calvert, J. Freedman, C. Finley, K. Orwig, M. Marquis, G. DiMego, J. Cline, and A. Stern, 2012-9-3: **Enhancing Short Term Wind Energy Forecasting with Remote Sensing: the Wind Forecast Improvement Project (WFIP)**. *9th International Symposium on Tropospheric Profiling (ISTP)*, L'Aquila, Italy

**6: ( Contributed )** Wilczak J. M., S. Benjamin, S. Calvert, I. V. Djalalova, L. Bianco, D. Gottas, C. Finley, M. Ahlstrom, J. Freedman, J. Zack, K. Clawson, R. Coulter, L. Berg, G. DiMego, K. Orwig, M. Marquis, A. Stern, W. Shaw, 2012-1-22: **Enhancing short term wind energy forecasting for improved utility operations: The Wind Forecast Improvement Project (WFIP)**. *92nd American Meteorological Society Annual Meeting*, New Orleans, LA, USA

## 2011

### Oral Presentations

**1: ( Invited )** Wilczak J. M., S. Benjamin, I. V. Djalalova, L. Bianco, S. Calvert, W. Shaw, C. Finley, J. Freedman, M. Marquis, and A. Stern, 2011-11-8: **Enhancing short term wind energy forecasting for improved utility operations: The Wind Forecast Improvement Project (WFIP)**, *International Conference Energy & Meteorology*, Gold Coast, Queensland, Australia.

## 2010

### Oral Presentations

**1: ( Contributed )** Bianco, L., I.V.Djalalova, J.M.Wilczak, 2010-8-2: **Annual variability of boundary layer height and its correlation to surface meteorological variables in California's Central Valley**. *AMS/19th Symposium on Boundary Layer and Turbulence*, Keystone, CO, USA

**2: ( Contributed )** Djalalova, I.V., Evelyn D. Grell, Jian-Wen Bao, 2010-8-2: **Investigation of mixing in a coupled air quality and weather prediction model**. *AMS/19th Symposium on Boundary Layer and Turbulence*, Keystone, CO, USA

## Posters

**1:** Djalalova, I.V., Evelyn D. Grell, Jian-Wen Bao, 2010-11-16: **Nested-domain simulations of CO and Ozone in the WRF-Chem model: Comparison of 3-D versus 1-D subgrid mixing.**  
*IWAQFR, International Workshop on Air Quality Forecasting Research, Quebec, Canada*