

List of Presentations

- 42 **Kim, J**, Cifelli, R., Johnson, L., Hughes, M., Viterbo, F., Nowak, K. 2020: Performance and Reliability of the NOAA National Water Model Operational Forecast for Water Resources Management. 2020 AMS annual meeting. January 2020, Boston, MA, U.S.
- 41 **Kim, J**, Johnson, L., Cifelli, R. 2019: Assessment of NOAA National Water Model Operational Short-Range Streamflow Forecasts: A February 2019 Case Study in San Francisco Bay Area. 2019 AGU annual meeting. December 2019, San Francisco, CA, U.S.
- 40 Johnson, L., Pratt, G., **Kim, J**, Cifelli, R. 2019: AQPI: System Requirements for Hydrological Functions. 2019 AGU annual meeting. December 2019, San Francisco, CA, U.S.
- 39 Johnson, L., Cifelli, R., **Kim, J**, Pratt, G. 2019: Distributed Hydrologic Modeling for Flood Mitigation: San Francisco Bay Area Advanced Quantitative Precipitation Information System. 2019 AMS annual meeting. January 2019, Phoenix, AZ, U.S.
- 38 Johnson, L., Boucher, M., Leventhal, R., **Kim, J**. 2018: AQPI: Distributed Hydrologic Modeling for Flood Mitigation. 2018 AGU conference. December 2018, Washington D.C., U.S.
- 37 **Kim, J.**, Johnson, L., Cifelli, R., Gochis, D., Read, L., Chandrasekar, V. 2018: Development of Hydrological Assessment Tool (HAT) based on a hybrid machine learning approach. 2018 AGU conference. December 2018, Washington D.C., U.S.
- 36 Han, H., Ramirez, J. A., **Kim, J.**, Cifelli, R., 2018: Development of Hydrological Assessment Tool (HAT) based on a hybrid machine learning approach. 2017 AGU conference. December 2018, Washington D.C., U.S.
- 35 **Kim, J.**, Xu, J., Delaney, C., Johnson, L., Lee, N., Chen, H., Xu, L., Cifelli, R., Chandrasekar, V. 2018: AQPI Integrated Water Management Modeling: Case Studies using Local Models in San Francisco Bay Area. 10th Biennial Bay-Delta Science Conference. September 2018, Sacramento, CA, U.S.
- 34 Cifelli, R., Johnson, L., **Kim, J.**, Co-authors. 2018: An Advanced Quantitative Precipitation Information System from the San Francisco Bay Area. 10th Biennial Bay-Delta Science Conference. September 2018, Sacramento, CA, U.S.
- 33 Johnson, L., **Kim, J.**, Cifelli, R., Pratt, G., Boucher, M., Leventhal, R. 2018: AQPI: Distributed Hydrologic Modeling for Flood Mitigation. 10th Biennial Bay-Delta Science Conference. September 2018, Sacramento, CA, U.S.
- 32 Chen, H., Cifelli, R., Chandrasekar, V., Jasperse, J., Xu, L., Zedler, E., Spaulding, J., **Kim, J**. 2018: AQPI: Radar-Derived Quantitative Precipitation Estimation in Complex Terrain over the San Francisco Bay Area. 10th Biennial Bay-Delta Science Conference. September 2018, Sacramento, CA, U.S.
- 31 **Kim, J.** Johnson, L., Cifelli, R., Gochis, D., Read, L. 2018: Coupling the National Water Model

- with a Reservoir Operation Simulation Model: Russian River Basin Case Study. 2018 Forecast Informed Reservoir Operations (FIRO) workshop. July 2018, San Diego, CA, U.S.
- 30 **Kim, J.** Johnson, L., Cifelli, R. 2018: Hydrological Assessment of the National Water Model in San Francisco Bay Area: Development of Multifactor Classification Approach Based on Machine Learning. 2018 Forecast Informed Reservoir Operations (FIRO) workshop. July 2018, San Diego, CA, U.S.
- 29 **Kim, J.** and Joo, J. 2018: Evaluation of Low Impact Development using EPA SWMM-LID Modeling, 13th International Conference on Hydroinformatics. July 2018, Palermo, Italy.
- 28 Martyr-Koller, R., Herdman, L., **Kim, J.**, Erikson, L., Johnson, L., Stacey, M., Barnard, P. 2018: How Does Sea-Level-Rise Influence tides, Coastal Storms, and River Flow Interactions? Insights from an Urbanized Estuary. EGU General Assembly 2018, Vienna, Austria.
- 27 **Kim, J.**, Herdman L., Johnson, L., Martyr-Koller, R., Cifelli, R., Barnard, P., Erikson, L., Hart, J., Chandrasekar, V. 2018: Integrated Flood Forecast Model (Hydro-CoSMoS) for San Francisco Bay. 2018 American Meteorological Society 98th Annual Meeting, 32nd Conference on Hydrology. January 2018, Austin, Texas, U.S.
- 26 Hart, J., Johnson, L., Herdman L., **Kim, J.**, Martyr-Koller, R., Cifelli, R., Barnard, P., Erikson, L., Chandrasekar, V. 2018: Assessment of Information Products for a Coupled Watershed-Coastal Flood Forecast Modeling System. 2018 American Meteorological Society 98th Annual Meeting, 32nd Conference on Hydrology. January 2018, Austin, Texas, U.S.
- 25 **Kim, J.** Johnson, L., Cifelli, R., Chandrasekar, V., Gochis, D., McCreight, J., Yates, D., Read, L., Flowers, T., and Cosgrove, B. 2017: Experiments with Interaction between the National Water Model and the Reservoir System Simulation Model: A Case Study of Russian River Basin. 2017 AGU conference. December 2017, New Orleans, LA, U.S.
- 24 **Kim, J.** Chandrasekar, V., Cifelli, R., Johnson, L. 2017: Coupling Fluvial and Oceanic Drivers in Flooding Forecasts for San Francisco Bay. 2017 UCOWR/NIWR Annual Conference “Water in a Changing Environment”. June 2017, Fort Collins, CO, U.S.
- 23 **Kim, J.**, Herdman, L., Cifelli, R., Barnard, P., Erikson, L., Johnson, L., Chandrasekar, V. 2017: Coupling Fluvial and Oceanic Drivers in Flooding Forecasts using Multi/Radar Multi/Sensor Data for San Francisco Bay. 2017 Weather Radar and Hydrology: Weather Radar for Hydrologic Prediction and Water Management: 25 years of Progress and Emerging Challenges. April 2017, Seoul, South Korea.
- 22 Johnson, L., **Kim, J.**, Cifelli, R., Chandrasekar, V. 2016: Soil Water Retention Curve. 2016 AGU conference. December 2016, San Francisco, CA, U.S.
- 21 Herdman L., **Kim, J.**, Cifelli, R., Barnard, P., Erikson, L., Johnson, L., Chandrasekar, V. 2016: Coupling Fluvial and Oceanic Drivers in Flooding Forecasts for San Francisco Bay. 2016 AGU

- conference. December 2016, San Francisco, CA, U.S.
- 20 Herdman, L., Erikson, L., Barnard, P., **Kim, J.**, Cifelli, R., Johnson, L. 2016: Integrating Fluvial and Oceanic Drivers in Operational Flooding Forecasts for San Francisco Bay, Geophysical Research Abstracts Vol. 18, EGU2016-18125, April 17-22, 2016, Vienna, Austria.
- 19 **Kim, J.**, Herdman L., Johnson, L., Martyr-Koller, R., Cifelli, R., Barnard, P., Erikson, L., Hart, J., Chandrasekar, V. 2016: Comparison of Semi-Distributed and Fully Distributed Hydrological Models in Complex Terrain. 2016 American Meteorological Society 96th Annual Meeting, 30nd Conference on Hydrology. January 2016, New Orleans, LA, U.S.
- 18 **Kim, J.**, Cifelli, R., Johnson, L., Livneh, B., Chandrasekar, V. 2015: Effect of Rainfall Spatial Distribution on Flood Forecasting in Complex Terrain. 2015 AGU conference. December 2015, San Francisco, CA, U.S.
- 17 **Kim, J.**, Cifelli, R., Johnson, E. L., Livneh, B., Chandrasekar, V., 2015: Comparison of Distributed Rainfall-Runoff Models – A Case Study for the Storm Event on December 10, 2014, 2015 AWRA Annual Water Resources Conference, November 16-19, 2015, Denver, CO, U.S.
- 16 **Kim, J.**, Chandrasekar, V., Chen, H., Lim, S., 2015: Interaction of Spatio-Temporal Resolution of Rainfall Observations and a Semi-Distributed Runoff Model for Flood Forecasting: A Case Study from Dallas Fort Worth Region, 37th Conference on Radar Meteorology, September 14-18, 2015, Norman, OK, U.S.
- 15 Choi, J., Yoo, C., **Kim, J.**, Han, M., 2015: A Method of Relay-Information-Transfer for Radar QPE: A Case Study for the Coastal Area in the Korean Peninsula, 4th Asian Conference on Civil, Material and Environmental Sciences, August 27-27, 2015, Osaka, Japan.
- 14 **Kim, J.**, Chandrasekar, V., Yoo, C., Lim, S., Choi, J., 2014: Quantitative Precipitation Estimation Algorithm using an Overlapped Observation Area between Radars, 8th European Conference on Radar in Meteorology and Hydrology, September 1-5, 2014, Garmisch-Partenkirchen, Germany.
- 13 Choi, J., **Kim, J.**, Chandrasekar, V., Lim, S., 2014: Use of a Micro Rain Radar (MRR) for Measurements of Rain Drop Sizes and Quantitative Estimation Precipitation in Mountain Area, 8th European Conference on Radar in Meteorology and Hydrology, September 1-5, 2014, Garmisch-Partenkirchen, Germany.
- 12 **Kim, J.**, and Yoo, C., 2013: The Relay Transfer of Information for Quantitative Precipitation Estimation. 1th International Workshop on Rain Radar and its Hydrological Application, 2013, South Korea.
- 11 **Kim, J.**, Yoon, J., and Yoo, C., 2012: Decision of Real-Time Z-R Relation using the Kalman Filter. IAHR-APD 2012, South Korea.
- 10 Yoon, J., **Kim, J.**, and Yoo, C., 2012: Identify the Range Dependent Error of the Radar Rainfall Data. IAHR-APD 2012, South Korea.

- 9 Yoo, C., **Kim, J.**, and Yoon, J., 2012: Use of the Dual Kalman Filter for Real-Time Decision of G/R Ratio. 7th European Conference on Radar in Meteorology and Hydrology, France.
- 8 Yoon, J., **Kim, J.**, Jun,C., and Yoo, C., 2012: The Error Structure of the Radar Reflectivity and the Correction of the Range Dependent Error. 7th European Conference on Radar in Meteorology and Hydrology, France.
- 7 **Kim, J.**, Yoo, C., and Ku, J., 2012: Problems of 1.5 km CAPPI in Korea, Asia Oceania Geosciences Society 2012, Singapore.
- 6 Yoo, C., **Kim, J.**, Suk, M., Park, H., and Cha, J., 2012: Decision of Real-Time Z-R Relation for the Hydrology Application of CAPPI Reflectivity. Korea Society of Civil Engineers Conference 2012, South Korea.
- 5 Yoo, C., Yoon, J., **Kim, J.**, Park, C., and Jun, C., 2011: A Quality Evaluation Criterion for Radar-Rate Data. Weather Radar and Hydrology 2011, United Kingdom.
- 4 Yoo, C., **Kim, J.**, Yoon, J., Park, C., Park, C., and Jun, C., 2011: Use of the Kalman Filter for the Correction of Mean-Field Bias of Radar Rainfall. Fifth Korea-Japan-China Joint Conference on Meteorology 2011, South Korea.
- 3 **Kim, J.**, Yoo, C., 2010: Effects of the Uncertainty in the Estimated Catchment Average Rainfall and Rainfall-Runoff Model Parameters on the Stream Flow Simulation, Korean Society of Hazard Mitigation Conference 2010, South Korea.
- 2 Yoo, C., **Kim, J.**, and Hwang, J., 2010: Quality Improvement of Observed Runoff Data using Extended Kalman Filter, Korea Society of Civil Engineers Conference 2010, South Korea.
- 1 Yoo, C., **Kim, J.**, 2009: Evaluation of July 15, 2006 Strom Event using the ModClark Model. Korean Society of Hazard Mitigation Conference 2009, South Korea.