

15th Conference on Artificial and Computational Intelligence and its Application to the Environmental Sciences

The AI committee (Committee on Artificial Intelligence Applications to Environmental Science) held a short course, "Cloud-based Data Exploration and Machine Learning on environmental datasets" in collaboration with Google, and its annual conference at the Seattle meeting. Sessions were both focused on AI (4) and organized jointly with other conferences (8) to discuss applications of AI in their respective fields. Talks ranged from the shape of data and comparisons of AI techniques to a wide range of applications including automated pattern detection such as hurricanes in satellite data sets and higher performance predictive models for weather, energy, aviation, hydrology... The use of high performance computing and cloud resources as well as the processing of big data sets were prevalent themes. Attendance was likely at record levels for AI with several standing room only talks all the way to an excellent late Thursday afternoon joint session with Energy. AI is joining Prob/Stat and Climate this summer (28-29 Jul) in Baltimore to hold the 29th Conference on Climate Variability and Change, 24th Conference on Probability and Statistics, and 16th Conference on Artificial Intelligence. AI will be organizing its next conference at the Austin annual meeting likely accompanied by a workshop. Joint sessions with other committees will be a sought after. AI is also looking at options to hold its 2019 meeting outside of the AMS annual meeting and looking for partnerships.



AI committee members 2017 meeting.