<table>
<thead>
<tr>
<th>Session Title</th>
<th>Lead Conference(s)</th>
<th>Co-Conference(s)</th>
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<td>Applying Machine Learning Techniques for Information Processing</td>
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<td>Contact the lead conference(s) for registration details.</td>
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<td>Evaluating Bias and Understanding Atmospheric Processes: Novel Statistical Techniques</td>
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<td>Improving Weather and Climate Observations: Novel Statistical Techniques</td>
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<td>Analyzing the Natural Variability of Tropical Rainfall: Novel Statistical Techniques</td>
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**Abstracts:**

- **Session Title:** Evaluating Bias and Understanding Atmospheric Processes: Novel Statistical Techniques

  - **Lead Conference(s):** [Link](https://example.com)
  - **Co-Conference(s):** [Link](https://example.com)
  - **Conference(s):** [Link](https://example.com)

  - **For More Information:** Contact the lead conference(s) for registration details.

  - **Abstract:** In this session, we focus on the evaluation of atmospheric processes using statistical techniques. We will present case studies on the impact of aerosols on climate, the role of clouds in weather modification, and the assessment of climate variability and change. The session will also address the significance of statistical methods in understanding atmospheric processes and their implications for climate change.

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    - Ken Carey, kcarey@noblis.org

  - **Lead Conference Focal Point(s):**
    - 1st Symposium on the Weather and Climate Enterprise
    - Laura Furgione, laura.furgione@noaa.gov
    - 3rd Conference on the Transition of Research to Operations (3R2O)
    - James Yoe, James.G.Yoe@noaa.gov

  - **Co-Conference Focal Point(s):**
    - 8th Symposium on Policy and Socioeconomic Research (POLICY)
    - Steven Quiring, squiring@tamu.edu
    - 25th Conference on Climate Variability and Change (CVC)
    - Hai Lin, Hai.Lin@ec.gc.ca

  - **Conference(s):**
    - 4HEALTH: Wendy Thomas, wthomas@ametsoc.org
    - 25CVC: Hai Lin, Hai.Lin@ec.gc.ca
    - 26th Conference on Integrated Observing and Modification (EIPT)
    - Steven Quiring, squiring@tamu.edu

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will be examined in light of current processes and needs with respect to all tropical meteorology forecast systems, which includes forecasts related to tropical cyclones, monsoons, and convective precipitation systems.

The historical perspective will be examined from the perspective of historical impacts on the science and on the governing agencies that have been responsible for operations and decision processes in support of public awareness and safety. The historical perspective will be presented in a way that also examines the role of the science in terms of the needs and constraints on the governing agencies.