

CALL FOR ABSTRACTS

WEATHER MODIFICATION ASSOCIATION
2026 ANNUAL CONFERENCE



RENO, NEVADA | APRIL 27 - MAY 1, 2026

The Weather Modification Association (WMA) is pleased to announce its 74th Annual Meeting, to be held April 27 - May 1, 2026, at the Atlantis Casino Resort in Reno, Nevada. Building on over seven decades of scientific exchange and collaboration, the 2026 conference will feature an expanded program designed to broaden participation, deepen technical discussion, and strengthen engagement across the weather modification community.

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CALL FOR ABSTRACTS

WMA invites the submission of abstracts for oral and poster presentations aligned with the session themes outlined below. Contributions are welcomed from across research, operations, policy, communication, instrumentation, and applied sciences related to weather modification and atmospheric processes.

CONFERENCE PURPOSE & AUDIENCE

The WMA Annual Meeting is intended to be inclusive of all professionals involved in or affected by weather modification and atmospheric water management. This includes students, researchers and scientists, industry operators, technology developers, policy makers, water and resource managers, insurance professionals, media representatives, and others with a direct relationship to weather modification.

PRELIMINARY SESSION THEMES

HAIL SUPPRESSION: FOUNDATIONAL CONCEPTS & MODERN ADVANCEMENTS

Explores microphysical principles, radar and modeling approaches, and emerging delivery or targeting technologies such as balloon-based systems. Focuses on strategies and innovations that improve precision and confidence in hail suppression outcomes.

WARM SEASON RAIN ENHANCEMENT: SCIENCE, OPERATIONS & EVALUATION

Covers advances in warm-cloud microphysics, operational design, monitoring tools, and evaluation frameworks. Encourages case studies, modeling contributions, and global program comparisons.

WINTER CLOUD SEEDING: SCIENCE, OPERATIONS & HYDROLOGIC IMPACTS

Includes microphysical understanding, advanced targeting techniques, snowpack impacts, hydrologic modeling, and instrumentation results from field campaigns. Ideal for programs with robust evaluation tools.

SEEDING AGENTS: R&D, CHARACTERIZATION & EMERGING APPLICATIONS

Focuses on innovations in silver iodide, hygroscopic flares, novel or experimental agents, lab characterization, environmental compatibility, and dispersion modeling.

COMMUNICATING SCIENCE, PUBLIC ENGAGEMENT & ADDRESSING MISINFORMATION

Dedicated to strategies for transparent communication, handling misinformation online and in public settings, community engagement examples, and frameworks for building trust with policymakers and the public.

AEROSOLS & CLOUD MICROPHYSICS RELEVANT TO WEATHER MODIFICATION

Covers aerosol-cloud interactions, nucleation pathways, in situ and remote-sensing microphysics observations, and integration of microphysical insights into operational seeding strategies.

ENVIRONMENTAL ANALYSIS & IMPACTS OF WEATHER MODIFICATION

Includes studies evaluating environmental deposition, long-term ecosystem effects, trace chemical monitoring, atmospheric modeling of environmental footprints, and regulatory perspectives.

VALIDATION, INSTRUMENTATION, REMOTE SENSING & EVALUATION TOOLS

Focuses on radar advancements, aircraft instrumentation, sensor systems, WRF/WRF-Hydro modeling, statistical evaluation, and tools that quantify the impacts and uncertainty of seeding programs.

INDIVIDUAL ORAL PRESENTATIONS:

Oral Presentations will be organized with four (15 minutes each) to a 60-minute session grouped according to the same or similar topics.

PANEL SESSIONS:

Panel sessions focus on a unified topic with a moderated discussion by the panel organizer.

SUBMISSION GUIDELINES

- Abstracts should be no more than 300 words.
- Include title, authors, affiliations, and presenter designation.
- Indicate preferred session theme.
- Abstracts should be submitted to the WMA Conference Committee using
- the following Google forms link: <https://forms.gle/AfchNTjUfyT3YzCJ6>



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ONLINE SUBMISSION CLOSES

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NOTIFICATION OF ACCEPTANCE

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FINAL PROGRAM PUBLISHED

For all questions please contact board@weathermod.org

Image courtesy of Reno-Sparks Convention and Visitors Authority.