



AIME-Con Call for Proposals

Due Sunday June 14, 11:59pm EST

Measurement Science in AI-Integrated Assessment and Pedagogy

Quick Information

- **Hosted by:** [National Council on Measurement in Education \(NCME\)](#)
- **Organized by:** [Artificial Intelligence in Measurement and Education \(AIME\) Special Interest Group of NCME](#)
- **Location:** Pittsburgh, Pennsylvania - Wyndham Grand Pittsburgh Downtown
- **Dates:** October 5–7, 2026
- **Modality:** In-person
- **Proposal Submission Portal:** Opening in April – check the [AIME-Con website](#)
- **Proposal Deadline:** June 14, 2026; 11:59pm EST
- **Authors Notified:** July 2026
- **Registration Portal:** Opening in Aug – check the [AIME-Con website](#)
- **Conference email:** aimcon@ncme.org

Conference Purpose

The AIME-Con is a gathering designed to bring together an interdisciplinary community of experts working at the intersection of artificial intelligence (AI), educational measurement, assessment, natural language processing, learning analytics, and technological development. As AI continues to transform education and assessment practices, this conference provides a platform for fostering cross-disciplinary dialogue, sharing cutting-edge research, and exploring

the technical, ethical, and practical implications of AI-driven innovations in measurement and education.

Conference Theme

Measurement Science in AI-Integrated Assessment and Pedagogy

This theme examines how advances in artificial intelligence are reshaping assessment, feedback, and pedagogy, while underscoring that these innovations must be anchored in rigorous measurement science. As AI systems expand the possibilities for scoring, item generation, adaptive tasks, and personalized instructional support, they simultaneously create new demands for evidence about what these systems measure, how well they measure it, and how they affect learning. “Measurement Science in AI-Integrated Assessment and Pedagogy” frames psychometric principles—validity, reliability, fairness, and instructional effectiveness—as the foundation for responsible AI design and evaluation. It highlights the necessity of integrating measurement theory, data science, and learning research to guide the development and use of AI tools. The theme signals a commitment to advancing not only the capabilities of AI but also the evidentiary standards required to ensure these technologies enhance education.

Topics of interest include but are not limited to the use of AI related to:

- Item Generation
- Automated Scoring
- Validity, Transparency, and Bias
- AI in the Classroom
- Formative Systems
- AI and Assessment Design (Scaling, Standard Setting, Alignment and Beyond)
- Implementation and Policy Implications

We welcome empirical research, explanations of methodological innovations, theoretical explorations, and case studies that provide actionable insights and innovative approaches to AI in measurement and education.

Session Formats

Authors will have the opportunity to select their preferred format for their presentation. Final decisions will be made by the program committee.

1. Individual paper session – 15 minute paper presentation
2. Poster presentation– ideal for discussing work in progress
3. Coordinated paper session – 90 minute session consisting of 4–5 papers organized around a central theme/topic
4. Panel presentation – 90 minutes

5. Innovation Demonstration – 15 minutes
6. Training session – 2-hour or 4-hour training sessions

Conference Proceedings

Authors of individual/coordinated paper or poster presentations accepted to AIME-Con after the proposal peer-review process will have the option of publishing their work in the AIME-Con Proceedings. These proceedings will be hosted by [ACL Anthology](#). This is an ideal opportunity to have your work more widely recognized and discovered. Instructions for formatting a proceedings-ready paper are below. ACL Anthology uses a [Creative Commons 4.0 BY \(Attribution\)](#) license - more info can be found [HERE](#).

Proposal Format for Individual Paper and Poster Presentations

A limited number of posters will be accepted to be presented during the evening reception on October 6.

All proposals should include:

- A title of no more than 12 words
- A brief abstract of no more than 50 words (for inclusion in the final program)

For work included in the AIME-Con Proceedings, papers should be up to 6 pages (excluding references, tables, figures) using either the [LaTeX](#) or [Word templates](#) for *ACL Conferences.

For work in progress, a structured abstract of up to 1000 words with the following headings. Theoretical/conceptual papers and reviews may adapt these headings as appropriate:

- Background
- Aims
- Sample(s)
- Methods
- Results (or Anticipated Results if data analysis is not completed)
- Conclusions (or Anticipated Conclusions/Contributions)
- References, tables, and figures as appropriate (not counted toward the word limit)

Note. Accepted work-in-progress submissions will have the opportunity to later submit a 6-page paper for inclusion in the AIME-Con Proceedings.

Proposal Format for a Coordinated Paper Session

The Program Committee defines a coordinated paper session as a set of papers organized around a central theme or topic. The Program Committee expects that coordinated sessions will include 4–5 papers (no more than 5 papers). Coordinated sessions are 90 minutes long.

Proposals for coordinated paper sessions must identify all contributors. Authors' and presenters' names should be included, NOT blinded. Proposals must consist of:

- a session title of no more than 12 words
- an abstract of no more than 200 words (for inclusion in the final program)
- a discussant and/or moderator where appropriate
- a set of formatted papers that adheres to the guidelines described in the "Proposal Format for Paper and Poster Presentations" section above. Coordinated Sessions may include a mix of full papers and works-in-progress.

Proposal Format for a Panel Presentation

The Program Committee defines a Panel Presentation as a moderated, interactive discussion among a group of experts focused on a specific theme, controversy, or emerging trend. Unlike a series of individual papers, a panel emphasizes dialogue between participants and the audience. Panels are 90 minutes long and should include 4–5 panelists plus a moderator.

A limited number of panels will be accepted to be presented during the conference program on October 6 and 7.

Proposals for panel presentations must identify all contributors. Authors' and presenters' names should be included, **NOT** blinded. Proposals must consist of:

- **A session title** of no more than 12 words.
- **An abstract** of no more than 200 words (for inclusion in the final program).
- **A moderator** (required) to facilitate the discussion and Q&A.
- **Complete author listing**, ensuring all panel members are added as co-authors in the submission system.
- **A session description** (no more than 1,000 words) that includes:
 - An overview of the panel's central topic and its relevance to the field.
 - A brief summary of what **each panelist** will bring to the table (e.g., their specific perspective, expertise, or unique data point).
 - A plan for the session format (e.g., brief opening remarks followed by a guided discussion and 20 minutes for audience Q&A).

Panel presentations are NOT eligible for inclusion in AIME-Con Proceedings.

Proposal Format for an Innovation Demonstration

Innovation demonstrations (15 minutes) are intended for sharing innovations that do not fit the traditional format of a research paper nor a training session. For example, the innovation could be a new app or software, a novel solution to a commonly faced problem, or a resource that can benefit the measurement community. Proposals that aim to sell commercial products at the conference will be rejected. However, we welcome proposals that introduce free innovations that run on commercial software.

Proposals for innovation demonstrations must be prepared for blind review (i.e., author names should not be included in the proposal). Proposals must consist of:

- a title of no more than 12 words;
- an abstract of no more than 50 words (for inclusion in the final program);
- a summary of the demonstration in no more than 500 words (see description below);
- references, tables, and figures/screenshots as appropriate (not counted towards 500-word limit).

The summary should:

1. Introduce the innovation itself. Describe the problem it addresses, typical users (e.g., classroom teachers, researchers), and, if available, evidence of the innovation being put to use. One way to do this quickly and clearly is through a value proposition statement (“This helps X do Y by doing Z”). The summary should clarify the practical utility and implications of the innovation and should not be written as a business case, a product roadmap, or marketing collateral. The innovation can be based on technology or based on creativity, logic, and argumentation without reliance on technology. The innovation should address the stated problem in a unique and novel way **and should involve the use of AI**. It may build upon prior research, but should go beyond demonstrating minor updates to an existing tool.
2. Explain what attendees will be able to do after the demonstration. Attendees should walk away with a concrete new skill, insight, or technological support that they can leverage in their work without much additional research or training. The Program Committee may reject proposals that are not blind, or whose titles, abstracts, or summaries exceed the word limits. Descriptions of software packages, references, tables, and figures do not count toward the word limits.

Proposals for Innovation Demonstrations are NOT eligible for inclusion in the AIME-Con Proceedings.

Review Criteria for Papers, Posters, Innovation Demonstration, Coordinated Paper Sessions, and Panels

Proposals will be evaluated based on a combination of the following:

- Relevance to the AI in measurement and education community
- Scholarly or practical significance
- Coherence of methods, techniques, and modes of inquiry
- Quality of results, findings, and conclusions
- Likelihood of completion by conference date

Call for Training Sessions The AIME-Con invites proposals for 2-hour and 4-hour (i.e., half-day) hands-on training sessions to be held during the morning and afternoon of October 5. These training sessions should align with the conference's theme and focus on equipping participants with the tools and frameworks necessary to navigate the evolving AI landscape.

Topics of interest include but are not limited to:

- Fundamentals of AI and machine learning for education professionals
- Fundamentals of Educational Measurement and Assessment for AI Scientists and Engineers
- AI-driven assessment design and evaluation techniques
- Bias mitigation, fairness, and ethical considerations in AI applications
- Natural language processing and AI-based feedback systems
- Data privacy, security, and transparency in AI-driven educational tools
- AI applications for formative and large-scale assessment
- Best practices for integrating AI into educational policy and decision-making

Training sessions should be interactive and designed for varying levels of expertise, from introductory overviews to advanced technical workshops.

Proposal Format for Training Sessions

Training session proposals should include:

- A title of no more than 12 words
- A brief abstract of no more than 50 words (for inclusion in the final program)
- A summary of no more than 800 words outlining the session's:
 - Learning objectives
 - Content and relevance
 - Presenter's expertise on the topic
- A detailed schedule of no more than 500 words that:
 - Indicates the preferred time format (2-hour vs. 4-hour [half-day])
 - Lists activities and topics to be covered during the proposed session timeline
 - Focuses on what presenter(s) and attendees will be doing during the training
 - Demonstrates a balanced combination of instruction, activities, and opportunity for Q&A
- If the session has been presented before, please indicate when and where and the changes and improvements in the proposed session
- For software application sessions, emphasize how the tool can be applied in practice rather than syntax or mathematical formulas. Clarify the following in your proposal: What software will be needed, will participants have to install (pay?) ahead of time, are there particular hardware requirements for the participants?

Review Criteria for Training Sessions

Training proposals will be evaluated based on:

- Relevance to the AI in measurement and education community
- Quality of planned activities
- Quality of learning objectives
- Evidence of presenter's expertise on topic

General Conference Rules

The following rules have been established to encourage a wide range of participation and ensure high-quality presentations:

1. Anyone is welcome to submit proposals. Conference registration will be discounted for NCME members.
2. Submission of a proposal represents an agreement that presenting authors will register for and attend the conference if their proposal is accepted. Presenters who do not register will not be allowed to present.
3. The first author of every paper should be the primary presenter for that paper.
4. Participants may have a maximum of three presenting roles. Roles that count toward this limit include presenting authors of papers, posters, and speaking members of organized discussions. Roles that do not count toward this limit include discussants, session chairs, debate moderators, training session instructors, and invited speakers.
5. Should you be unable to attend the conference due to unforeseen circumstances, it is your responsibility to inform the Program Committee as early as possible. You must either arrange for someone else to assume your role or withdraw your presentation.
6. The paper, presentation, or discussion should not have been published nor presented at any other academic conference. *Note - it is permissible to have presented a training session before (see above).*

Get Involved

The AIME-Con welcomes your involvement! Contact aimecon@ncme.org if you would like to volunteer in one of the following ways:

- Proposal reviewer - responsible for reviewing proposals - (June–July)
- Conference program committee - responsible for assisting in the assembly of sessions and the overall program (July–September)
- Sponsorship committee - responsible for helping solicit conference sponsorships (ongoing, beginning in April)

Conference Organizers

- Joshua Wilson (University of Delaware)

- Christopher Ormerod (College Board)
- Maggie Beiting-Parrish (EdAlfy, CUNY Graduate Center)