

2019 NCTM Research Conference Proposal Submission Process

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To Sign In use your NCTM account. Members use your member login. Non-NCTM members can register as a user. Please use forgot password with your email address if you think you have may have an account. Submitters will need to provide experience and expertise descriptors to facilitate the proposal review process.

1. Title

This is the title of your session as it would be included in the program. Limited to 75 Characters. Please make title as descriptive as possible about your session. It provides the first impression. Leaving them wondering usually has them not showing up. Do NOT submit in ALL CAPS!

Note: Click Save at the bottom of each section to record the information to the system. Selecting another section without saving will lose this content.

2. Speakers

Confirm that you are the lead speaker. Add speakers by searching for them in the NCTM database. Search by last, first such as Smit, Joh for John Smith.

- If the person is not in the database then you may add their information.
- Up to four additional Co-speakers/Panelists are allowed. For Symposiums up to two additional discussants may be submitted as well.
- Please notify co-speakers, panelists, and discussants that their participation in a proposal submission also acknowledges their agreement to be a reviewer.
- All individuals participating in a session must be pre-registered for the conference for a session to appear in the program.

3. Abstract (Limited to 500 Characters)

Provide a brief description of your presentation to be included in the program and provided to attendees prior to the event. Your description should provide attendees and reviewers with sufficient information about the context/setting for the presentation and key areas of insight or findings that will be shared.

4. Participant Objectives - Discussion session only

Provide 2 to 5 objectives for participants that attend your session. Specifically address what participants will learn (be specific), do (how will they participate), engage (are there opportunities for them to engage with others, actively be involved in learning) during your session.

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5. **Equity** (Limited to 500 Characters)

NCTM is committed to access, equity and empowerment in its work. Specifically, the mathematics education research community is tasked to move equity from an individual choice to a collective professional responsibility. Including equity as one (but not the only) component considered in a research conference proposal moves the field forward through an important systemic mechanism (i.e., research conferences) that promotes the advancement and dissemination of research.

Research conference proposals will be reviewed with this commitment in mind. Provide a clear statement how your proposal submission contributes to the Access, Equity and Empowerment dialogue and supporting work.

6. **Descriptors**

From the list below select all relevant descriptors for your proposal. These descriptors will be used to match your proposal with the appropriate reviewers as well as match you as a reviewer to proposals in your area of expertise.

Submission and Expertise Descriptors

Setting

Early childhood and elementary
Middle and secondary
Higher education
Other

Content and Categorical Expertise

Number and operation
Geometry and measurement
Algebra and algebraic reasoning
Statistics, data, and probability
Calculus and higher-level mathematics
Mathematical practices and processes
Teachers, and teacher education
Students and learning
Curriculum and Assessments
Access, equity, and empowerment

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Communities and learning environments

Methodology

Qualitative

Quantitative

Mixed Methods

Research Synthesis

Theoretical or Philosophical Proposal

7. Terms

Submitters must acknowledge having read and agree to the following.

Technology Requirements

- Speakers must provide their own laptop computers.
- Complimentary internet access may not be available in meeting rooms.
- I understand that I am responsible for securing internet access if needed.
- (Description of technology provided.)

Registration and Proposal Review

- All speakers must pre-register for the conference. Sessions with speakers who have not pre-registered will be removed from the program.
- All individuals involved in a proposals submission agree to participate in the review of others' proposals.

Email

- Submitters may allow to have their email address included with the program.

Special Assistance

- Do you require special assistance, as defined by the ADA, or special scheduling consideration for religious reason(s)?
- If YES then provide a brief description of your needs (500 character limit.)

8. Highlighted Strand (Pick at most one. Limited to 500 Characters)

The Research Committee is piloting a small number of Highlighted Strands as part of the Research Conference Program. Proposals are **not required** to be part of a strand to be accepted. Your input will be used in considering if an accepted proposal should be included as part of a strand. If multiple strands apply, choose one.

My proposal would contribute to the following strand:

- Equity, Access and Empowerment in Mathematics Education

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This proposal makes a specific contribution to ongoing work in the field with respect to access, equity and empowerment in mathematics education research.

- **Collaboration Research across Multiple Boundaries**
This proposal engages multiple disciplines such as STEM research, multiple research perspectives, or multiple areas such as the neuroscience or
- **Supporting Developing and Early-Career Researchers**
This proposal would be of interest to the broad community of graduate students and early-career researchers.

If a strand is selected provide a short description on the specific aspects of the proposal/session which would contribute to this strand.

9. Upload Proposal

Upload a single PDF containing the written session proposal for consideration based on the review criteria. The PDF should contain text, tables, diagrams, references, etc. The proposal should be a maximum of 10 pages, double spaced, and NOT include the submitter's name. Max size is 10MB.

Proposal Components and Review Criteria

Proposals should include, but not be limited to, the following sections. Below each section header are questions to guide proposal development and review. Session types listed highlight expected content for various proposal types. Use “Not applicable” if you believe the information requested is not appropriate/applicable to your proposal.

1. Perspectives or Theoretical Framework for the Research

Considerations: What are the intellectual underpinnings for the work? Are the theories or ideas that are driving the study clearly articulated? Identify how the questions being investigated contribute to research in mathematics education or the linking of research and practice? To what extent does the research suggest and explore creative and original concepts?

(Research Report, Research Symposia, Discussion, Poster Session)

2. Methods, Techniques, or Modes of Inquiry for the Research

Considerations: Are your research questions clearly identified? Has the methodology been clearly articulated? Is the methodology or mode of inquiry appropriate for the research? Are the methods supported by the perspectives or theoretical framework? Is the sample identified and adequate?

(Research Report, Research Symposia, Poster Session)

3. Data Sources or Evidence for the Research

Potential Considerations: Are the sources or evidence drawn on in this study described or discussed sufficiently? Are the sources adequate and appropriate for the research? Are quantitative and/or qualitative data utilized in appropriate ways to answer the research questions?

(Research Report, Research Symposia, Poster Session)

4. Results and/or Conclusions

Potential Considerations: Do the results and/or findings address the research questions? How are the conclusions consistent with and flow from the analysis? Are the results/analyses situated within a broader context? Does the analysis of the data support the results reported?

(Research Report, Research Symposia, Poster Session)

5. Educational or Scientific Importance of the Research/Topic

Potential Considerations: How does the work advance the knowledge and understanding within the area of mathematics education research or practice? How does the proposal address key issues in mathematics teaching and learning and/or connect research and practice?

(Research Report, Research Symposia, Discussion, Poster Session)

6. Organization of the Session

Potential Considerations: How do you propose to organize the session? How does your presentation content fit the identified session design? How does the presentation allow adequate time and structure for participants' engagement?

(Research Symposia, Discussion Sessions)

Proposal Components and Review Criteria for Theoretical and Philosophical Submissions

Proposals should include, but not be limited to, the following sections. Below each section header are questions to guide proposal development and review. Use “Not applicable” if you believe the information requested is not appropriate/applicable to your proposal.

- **Rationale and aim of the analyses**
Is the goal of the theoretical analysis clearly stated and justified?
- **Theoretical framework and related literature**
Is the theoretical and empirical background explained sufficiently? Are the central concepts well defined and explained and central to the analysis and argument?
- **Statement and argument**
Is there a well-articulated statement of the position? Are there sound arguments based on their theoretical framework to support their position?
- **Implications for existing and further research**
Does the proposal provide a clear connection and rationale for the implications of this position for research, theory and practice in mathematics education?
- **Clarity**
Is there clarity in the presentation of the argument?
- **Relevance to the community**
Is there relevance to the mathematics education research community?