

Request for proposals—SIGMAA on RUME 2016 conference

We hope that you are excited to attend the SIGMAA on RUME 2016 conference in Pittsburgh, PA and share your work with our community. In order to make this happen, we are requesting that you submit a proposal to the conference. We will use easychair conference management to solicit proposals. The following weblink will take you there:

<https://easychair.org/conferences/?conf=rume19>

Encouraged focus of papers:

We read the focus of our SIGMAA rather broadly, and encourage submissions about traditional RUME areas such as proof, calculus, and college algebra, but, also as inclusive of graduate students, probability and statistics, combinatorics, social justice, and work related to teachers and teaching. The merits of each proposal will be judged individually, with evaluation about the quality of the work as well as the broad fit for the conference. As a result of our broad reading of RUME, we encourage submission of four different kinds of reports; Contributed Research Reports, Preliminary Research Reports, Theoretical Reports, and Poster Reports. We expect both Contributed Reports and Preliminary Reports will have data collected by the time of the proposal submission. Theoretical reports, by their nature, may not have any data at all.

There are three rounds of ‘papers’ submitted to easychair.

Before the conference:

- Round 1—the blinded proposal: In the original submission, you are asked to submit a blinded version, without author information (*it's probably better to cite your published papers with the citation rather than AUTHOR as long as the work is in wide-circulation—following the APA guidelines*).
- Round 2—the unblinded proposal: If your proposal is accepted for the proceedings, we will then ask you to submit a new, unblended version. For this submission, update your existing easychair proposal by **replacing** the *original, blinded* submission with the unblinded one. Please do not make a new proposal. Email Tim if you need help doing this or you've accidentally made a new submission.

The unblended proposals will all be included in the conference proceedings. We colloquially refer to them as “short papers.”

After the conference

- Round 3—the post-conference long paper: Everyone who presents at the conference (*posters, preliminary reports, theoretical and contributed reports, everyone!*) has the option of writing a 15-page paper for inclusion in the proceedings and consideration

for the Best Paper award. The due date will be approximately 1 month after the conference, and announced at the conference.

Due dates

All proposals must be submitted to easychair by the dates listed below.

- For ***contributed, theoretical and preliminary*** reports, the proposals will be due August 23, 2015.
- For poster reports, the 2-page proposals will be due on December 18, 2015 (although you are welcome and encouraged to submit them earlier).

Poster reports will be reviewed on a rolling basis as they are submitted. There will be approximately 10 days in August, just after the submission deadline, when easychair will be closed for submissions. We hope that you will be notified about the status of your proposal by the beginning of November.

Types of submissions:

Contributed Research Reports

The SIGMAA on RUME aims to foster a professional atmosphere for quality research in the teaching and learning of undergraduate mathematics. We solicit proposals for contributed research reports presenting results from completed research studies on undergraduate mathematics education that address *one or more* of the following themes:

- results of current research
- contemporary theoretical perspectives and research paradigms
- innovative methodologies and analytical approaches as they pertain to the study of undergraduate mathematics education

Contributed reports can have a **maximum of 7 pages**, including title, abstract, keywords, and the body of the paper (tables and figures count towards the 7 page limit). *References do not count towards the page-length*. Papers longer than 7 pages will be returned un-reviewed.

Preliminary Research Reports

The SIGMAA on RUME seeks to support the professional development of new researchers and new research ideas in the field of undergraduate mathematics education. To foster constructive discussions toward this goal, we encourage graduate students, new PhDs, undergraduate mathematics educators, and experienced researchers to present preliminary reports on ongoing research projects in early stages of analysis, although, ***they must have data collected at the time of proposal submission*** (*proposals without data will be rejected*). Significant discussion time will follow each presentation to allow for feedback and suggestions for future directions for the

research. Proposals for preliminary reports are expected to include a list of questions that will be posed to the audience during the discussion portion of presentation to help further the research.

Preliminary reports can have a **maximum of 5 pages**, including title, abstract, keywords, and the body of the paper (tables and figures count towards the 2 page limit), and intended questions for the audience. *References do not count towards the page-length*. Papers longer than 5 pages will be returned un-reviewed.

Theoretical Reports

The SIGMAA on RUME seeks to support the development of new theoretical perspectives for research on undergraduate mathematics education. Proposals in this category must explicate the theoretical perspective in detail and explain why existing theories do not adequately account for the phenomenon in question.

Theoretical reports can have a **maximum of 7 pages**, including title, abstract, keywords, and the body of the paper (tables and figures count towards the 7 page limit). *References do not count towards the page-length*. Papers longer than 7 pages will be returned un-reviewed.

Poster Reports

The SIGMAA on RUME seeks to create additional means for researchers to present their work and recognizes that some types of work are better presented in poster format. While not meant to be exclusive, we present two examples of types of Poster Reports. The first is methodological presentations which could be better illustrated on a poster, and for which the one-on-one interactions could be a better opportunity for other researchers to learn or adapt techniques than a standard conference presentation would provide. Another example is a poster that illustrates connections between a collection of studies by one researcher or research group.

Poster reports can have a **maximum of 2 pages**, including title, abstract, keywords, and the body of the paper (tables and figures count towards the 2 page limit). *References do not count towards the page-length*. Papers longer than 2 pages will be returned un-reviewed. An abstract is required for a poster submission, the abstract is included in the printed program.

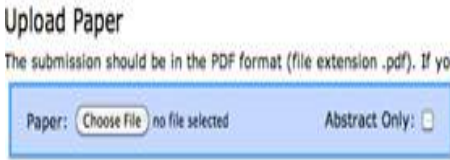
Conference Submission Requirements

All proposals must be submitted through the EasyChair conference proposal management system at the link below:

<https://easychair.org/conferences/?conf=rume19>

Papers that are not submitted through the EasyChair submission system will not be considered for review. While the submission system will have a box for "abstract only" all proposals require an abstract and paper, ***do not just submit an abstract, your proposal will be rejected.*** Please make sure to upload your paper to EasyChair before clicking 'submit.'

Accessing the RUME 19 proposal submission system

- Go to: <https://www.easychair.org/conferences/?conf=rume19>
- Log into EasyChair.
 - Note: *If you have not used easyChair before, you will need to create a login name and password.*
- Click “new submission,” which is located in the toolbar.
- The submissions page will prompt you to enter the following:
 - Address for Correspondence
 - Authors
 - Title
 - 150-word Abstract
 - Category for the proposal (*posters, please leave this blank*)
 - Keywords
- After the proposal information is entered you will need to upload a PDF-version of your paper. The first paper you upload **MUST** be the blind version of your paper (No names or affiliations). **Your RUME Proposal is not a completed submission unless you have included a PDF of your paper.** A BLIND-proposal template is available. Your screen will show:


Upload Paper

The submission should be in the PDF format (file extension .pdf). If you submit only an abstract, then tick the Abstract Only box, else upload the submission.

Paper: Choose File no file selected Abstract Only:
- **DO NOT INCLUDE ANY ATTACHMENTS.** They will not be considered.

Please note that our review process is blind. Authors of accepted proposals will be asked to upload a non-blind, program-ready version of their paper if the proposal is accepted.

Proposal and Paper Preparation Guidelines

**** Papers that do not follow the Paper Preparation Guidelines will be returned to the author. ****
All papers should formatted as follows:

- Times New Roman
- 12-point font
- 1-inch margins

- Single-spaced
- No header or footer
- No page numbers (they look silly in the proceedings)
- Please submit all files saved in .pdf format

Sentence case: Sentence case for 2015 and beyond will be APA titles. For example:

Tim’s super fabulous RUME proposal; You really must read it

Headings: Please follow APA formatting for headings. (Ironic that I’m not doing that here, right?)

Abstract Preparation: The abstract is limited to *150 words*. Please include in the abstract an informative description of the context, theoretical framework, research questions, goals, and findings. **All proposals, including posters, are required to have an abstract.**

Keywords: You will be asked to provide 3-5 *keywords that describe* your paper. The first letter of each word should be capitalized. When appropriate, your keyword list should include descriptors of the mathematical focus, theoretical perspective, and/or methodology. For example, keywords to describe a design experiment in abstract algebra might include: Abstract Algebra, Design Experiment, Realistic Mathematics Education.

Other examples of keywords are: Calculus, Precalculus, Preservice Secondary Teachers, Differential Equations, Linear Algebra, Elementary Teacher Training, Number Theory, Transition to Proof, Teaching Assistants (TA), Discourse Analysis, Classroom Research, Cognitive Research, etc.

Figures and Tables: All figures and tables should be located in the body of the paper and labeled in APA formatting. Figures and tables count towards the overall page limits.

References: References must be provided in the standard APA format. An example is provided here:

Dreyfus, T. (1991). Advanced mathematical thinking processes. In D. Tall (Ed.) *Advanced Mathematical Thinking* (pp. 25-41). Dordrecht: Kluwer.

References do not count towards the page limits.

Blind Paper—Round 1 submission: To help us maintain a blind review process, please follow the APA standard for blinding. If one of the authors has written a paper that is in wide circulation, please cite that paper using the standard citation. If the work being cited is not in wide circulation (e.g., technical report, dissertation, ...) please cite with AUTHOR.

- contemporary theoretical perspectives and research paradigms;
- innovative methodologies and analytical approaches as they pertain to the study of undergraduate mathematics education.

Theoretical Reports:

The maximum length of the proposals text is 7 *pages*, single-spaced, Times New Roman 12-point font, with 1-inch margins. The page limit does not include the references.

Proposals in this category must explicate the theoretical perspective in detail and explain why existing theories do not adequately account for the phenomenon in question.

Poster proposals

The maximum length of the proposals text is 2 pages, single-spaced, Times New Roman 12-point font, with 1-inch margins. The page limit does not include the references. Posters can report on a range of types and states of work, from ongoing projects to overviews of research programs. An abstract is *required* for poster proposals for inclusion in the conference program.

Required Proposal Content:

All proposals must address as many of the following considerations as possible:

- An explicit statement of the question(s) or issue(s) the research explores.
- Relation of this work to the research literature
- Theoretical perspective and/or conceptual framework
- Research methodology
- Results of the research
- Applications to/implications for teaching practice or further research
- A list of references should be given at the end of the proposal.

Compliance to Guidelines

All proposals will be checked for compliance to the RUME 19 Paper Preparation Guidelines. Papers that do not conform to the guidelines will be returned to the author. Adherence to type size, font type and margins is necessary so that no author will have an unfair advantage by using small type or smaller margins and therefore, more text.

Pre-conference Review process:

All proposals for conference presentations will be double-blind reviewed by at least two, and often three reviewers. The criteria the reviewers will use are below.

Proposal Review Process for Contributed Report and Preliminary Report proposals:

Proposal reviewers will be asked to rate proposals according to the following considerations:

- Does the proposal explore a significant issue/question relevant to RUME?

- How does it relate to prior research on related topics/issues?
- Is the theoretical perspective clearly outlined?
- Is there an appropriate choice of research methodology?
- Is it clear what the conclusions/main claims are?
- Are those supported by data?
- Does the research contribute to teaching practice/theory development?

Proposal review process for Theoretical Reports

Proposal reviewers will be asked to rate proposals according to the following considerations:

- The authors clearly present the theoretical perspective. In other words, one can easily answer the question, "What is this theory about?"
- This theoretical perspective is relevant to research conducted by the RUME community.
- The proposal situates the theoretical perspective within existing research and literature or establishes a need for the proposed theory.
- The main claims or conclusions are clear and are reasonably supported.
- The theoretical perspective is sufficiently distinguished from other theoretical perspectives. In other words, it is made clear why other theoretical perspectives do not adequately account for the phenomenon in question.
- The theoretical perspective is likely to have important practical applications or to open new areas of research.

All proposals will be reviewed by at least 2 *reviewers*. Acceptance and declination decisions for each proposal will be made by the RUME 19 Conference Planning Committee and will be based on the reviewers' recommendations. The final program will consist of a blend of contributed talks and preliminary report presentations.

After the conference:

The SIGMAA on RUME publishes conference proceedings. All non-blinded, accepted preliminary, contributed, and theoretical research reports will appear in the RUME 19 Conference Proceedings, as the RUME 19 Conference Reports.

All presenters, including posters, have the option to write a long paper for inclusion in the conference proceedings and consideration for the best-paper award. The long paper has a 15-page limit and will be due approximately 1-month after the conference.

RUME 2016 Conference Proceedings and Best Paper Award submission process

All authors who present at the *2016 conference will have* the option of submitting a 15-page paper (*references count towards the page count*) for publication in the RUME Conference Proceedings. All long papers will be reviewed by 2 or 3 reviewers and considered for the best paper award. All long papers must follow the long paper formatting guidelines.

Long papers will be reviewed according criteria:

- Does the proposal explore a significant issue/question relevant to RUME?
- How does it relate to prior research on related topics/issues?
- Is the theoretical perspective clearly outlined?
- Is there an appropriate choice of research methodology?
- Is it clear what the conclusions/main claims are?
- Are those supported by data?
- Does the research contribute to teaching practice/theory development?

To submit a long paper:

- Go to: <https://www.easychair.org/conferences/?conf=rume19>
- Log into EasyChair. Note: You will need to use the login name and password, you used before to submit your proposal.
- Click “new submission” in the header
- Enter the title and other information for the paper
- Select “Contributed Report” for the paper category.
- Upload a .pdf version of your paper.

Submission of a long paper is not required of participants but is strongly encouraged. Acceptance to the RUME Conference Proceedings is dependent upon reviewers’ recommendations. All long papers are **due Friday, March 25, 2016**.

Long paper formatting is the same as the formatting for the proposal.

Questions should be emailed to Tim Fukawa-Connelly, the Chair of the Program Committee, at timatunh@gmail.com