

INDRUM2022
Fourth conference of the
International Network for Didactic Research in University Mathematics (INDRUM)
October 19–22, 2022, Hannover (Germany)

Second announcement & call for paper and poster proposals First
Announcement, list of Members of the Scientific Committee and
information on how to contribute to, and attend, the conference: <https://indrum2022.sciencesconf.org>

We are pleased to announce INDRUM 2022, the fourth conference of the International Network for Didactic Research in University Mathematics, to be held in October 19–22 in Hannover (Germany). This Conference falls within the activities of INDRUM (acronym for International Network for Didactic Research in University Mathematics), initiated by an international team of researchers in didactics of mathematics and aiming to contribute to the development of research in didactics of mathematics at all levels of tertiary education, with a particular concern for the development of new researchers in the field and for dialogue with mathematicians. The themes to be addressed at INDRUM 2022 will build on those addressed at the previous INDRUM conferences (INDRUM 2016 in Montpellier (France), 2018 in Kristiansand (Norway) and 2020 On-line from Bizerte (Tunisia)) and will cover teacher and student practices and the teaching and learning of specific mathematical topics at undergraduate and post-graduate level as well as across disciplines. The target audience of this conference is researchers in didactics of mathematics, mathematicians as well as teachers and researchers who are interested in these issues. The organisation of the conference will comprise: a plenary lecture by Andreas Eichler (University Kassel, Germany) about “*Developing digital networks for learning and teaching mathematics in introductory courses*”; an expert panel discussion on “*Innovation in teaching at university based on research in mathematics education*” (Rafael Martínez-Planell, Universidad de Puerto Rico at Mayagüez, chair); four to six thematic working groups (six hours each); short communications in parallel (two sessions of 1h 30min), a poster exhibition and a young career researcher specific activity. Pre-conference proceedings will be distributed to registered participants. The final version of the proceedings will be posted on the open archive HAL (<https://hal.archives-ouvertes.fr/INDRUM>). The number of participants is restricted to approximately 120, plus a number of local attendees. The main language of the conference is English. There is the possibility to submit and present a paper in German provided the presenter considers how to address the conference audience in its linguistic diversity through slides or a handout in English.

We now invite research paper and poster proposals on the following themes / keywords:

1. Teachers’ and students’ practices at university level.
2. Teaching and learning of specific topics in university mathematics.
3. Transition to, across and from university mathematics.
4. Novel approaches to teaching.
5. Digital and other resources in university mathematics education.
6. Assessment practices in university mathematics education.
7. Preparation and training of university mathematics teachers.
8. Teaching and learning of analysis and calculus.
9. Teaching and learning of linear and abstract algebra.
10. Teaching and learning of number theory and discrete mathematics.
11. Teaching and learning of logic, reasoning and proof.
12. Teaching and learning of mathematics in other fields.
13. Teaching and learning of mathematics for engineers.
14. Epistemological studies of mathematical topics.
15. Curricular and institutional issues concerning the teaching of mathematics at university level.

Submissions should comply with the guidelines above and the INDRUM template. Please note that the working groups will be organised after we have received submissions. You are therefore requested to provide keywords as follows:

- *Two keywords* among the list of 15 key words above.
- *A maximum of three, additional keywords* (either from 1-15 or other ones you deem relevant to your submission)

Deadlines

March 11, 2022: Registration open

April 1, 2022: Deadline for submission of papers and of poster proposal

May 13, 2022: Deadline for reviewers to submit their reviews

June 10, 2022: Decisions about paper or poster acceptance

June 30, 2022: Deadline for registration and payment

August 10, 2022: Deadline for revisions of papers and posters

September 12, 2022: Third announcement with conference program and pre-acts available on the conference website

October 19-22, 2022: Conference Hannover (Germany)

We look forward to your submissions and to working further towards a stimulating and exciting conference!

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Berta Barquero (Universitat de Barcelona, Spain) Co-chair, bbarquero@ub.edu

Guidelines for paper and poster proposals

How to submit a paper

Please submit your paper at <https://indrum2022.sciencesconf.org/user/submissions> by April 1st, 2022. Note that, in order to access this page, you need to login with your existing INDRUM details or create an account and then log in. We request that you follow the guidance given for the format of your paper below. Following peer review, by June 10th, 2022, you will receive a decision about whether your paper has been accepted for pre-conference publication on the INDRUM website and discussion at the conference. Acceptance is likely to be conditional on revisions to your paper, in which case you will be asked to return the revised paper by August 10th, 2022. Details of how your paper will be included in the conference programme will be communicated closer to the start of the conference.

Please format your paper as follows:

1. Write the paper in English (G.B), in French or German using Times 14-point font, 16-point line space, and 6 points between paragraphs; occupying a frame of 170 by 247 mm. You must use the [INDRUM template](#).
2. Restrict your paper to a maximum of ten pages, including references, figures and appendices.
3. Type and centre the title (in 16 point bold), author(s) name(s) (in 14 point bold), and affiliation(s) of author(s) (in 14 point italics) in this order; all in Times.
4. Underline the name of the presenting author(s).
5. Begin the paper with an abstract of up to ten lines, single-spaced, in italics.
6. Indicate up to five keywords as indicated in the *Call for paper and poster proposals*.
7. Give references in the APA (7th edition) style, https://www.tandf.co.uk/journals/authors/style/reference/tf_APA.pdf).

We kindly request that you comply with this format, and we note that papers not using this format in full may not proceed to the peer review stage.

How to submit a poster

Please submit your poster proposal at <https://indrum2022.sciencesconf.org/user/submissions> by April 1st, 2022. Note that, in order to access this page, you need to login with your existing INDRUM details or create an account and then log in. We request that you follow the guidance given for the format of your poster below. Following peer review, by Jun 10th, 2020, you will receive a decision about whether your poster has been accepted for preconference publication on the INDRUM website and discussion at the conference. Acceptance is likely to be conditional on revisions to your poster, in which case you will be asked to return the revised poster by August 10th, 2022. Details of how your poster will be included in the conference programme will be communicated closer to the start of the conference.

Poster proposals must include a short description of the research topic, the theoretical framework, research questions, and, if possible, research results and implications based on the research results.

Please format your poster proposal as follows:

1. Restrict your proposal to a maximum of two pages. The proposal must include a title, a summary description of the content of the poster, of the way its content will be presented, and up to five keywords following the requirements indicated in the call for paper and poster proposal.
2. Write the proposal in English (G.B), in French or German using Times 14-point font, 16-point line space, and 6 points between paragraphs; occupying a frame of 170 by 247 mm. You must use the [INDRUM template](#).
3. Type and centre the title (in 16 point bold), author(s) name(s) (in 14 point bold), and affiliation(s) of author(s) (in 14 point italics) in this order; all in Times.
4. Underline the name of the presenting author(s).
5. Note that no abstract is required for a poster.
6. Indicate up to five keywords as indicated in the *Call for paper and poster proposals*.
7. Give references in the APA (7th edition) style, https://www.tandf.co.uk/journals/authors/style/reference/tf_APA.pdf).

We kindly request that you comply with this format and we note that proposals not using this format in full may not proceed to the peer review stage. If your proposal is accepted, a vertical rectangular board will be made available at the conference for the presentation of your poster.