CALL FOR PAPERS

International workshop on Mathematics Education (IWME 2021)

Aims and Scope

The Vietnam National Institute of Educational Sciences (VNIES) will host International Workshop on Mathematics Education (IWME2021) in Hanoi, Vietnam, from October 14th to 16th, 2021. The workshop aims to provide an international forum for researchers, educational managers, educators, as well as math teachers and students from the ASEAN region and around the world, to share, discuss, and evaluate recent research findings in teaching and learning math. Furthermore, to identify future problems that require research and to propose future solutions.

The International Workshop on Mathematics Education (IWME) will be held annually to advance research in the field of mathematics education, with a focus on topics and themes such as curriculum development, teacher training, technology applications, mathematics in STEM, realistic mathematics education, and mathematics education for the mathematically gifted. Leading experts from the United States, the United Kingdom, Australia, Israel, Singapore, Thailand, the Philippines, and Vietnam will address participants on in-depth research, lessons learned, future research projects, and the promotion of mathematics education.

The IMWE is a commemoration of the Vietnam National Institute of Educational Sciences' 60th anniversary of its founding (December 6, 1961-December 6, 2021).

Full and previously unpublished papers contributing to innovations and advancements in curriculum and textbooks, as well as methodologies and applications, are welcomed and will be considered for publication depending on their quality.Potential topics include, but are not limited to:

1. Math Curriculum Development

- Curriculum planning
- Curriculum design

- Curriculum implementation at school
- Curriculum evaluation by teaching and learning at school

2. Math Teacher Education

- Curriculum for Mathematics pre service teachers
- Professional Development for Mathematics in service teachers
- Tools and processes for training mathematics teachers

3. Assessment in Mathematics Education

- Classroom assessment/formative assessment/summative assessment
- Large scale assessment
- Standards and assessment standards for Mathematics subject at school
- Assessing Mathematics skills

4. Realistic Mathematics Education (RME)

- Principles of RME
- The role of RME in developing students' capabilities: capability of problem solving, creative thinking skills, etc.
- How to use RME as a tool to develop students' competencies

5. Math in STEM education

- The Role of Mathematics in STEM Education
- Develop students' competencies through STEM education
- Mathematics and problem based learning in STEM

6. Using Technology in Math Education

- Devices, tools of Mathematics at high school
- The role of technology in teaching and learning Mathematics
- Strategy for using technology effectively in teaching and learning Mathematics
- Using VR and AR in teaching and learning Mathematics

7. Education for the Gifted

- Policies for discovering and fostering mathematics talents
- Curriculum for gifted students in Mathematics
- Develop Math teachers' resources for Mathematics gifted education
- Develop learning resources for mathematically gifted students

Awarding criteria:

- Orginal ideas, research papers that have yet to be published.
- The clarity, completeness and quality
- Quality of practicality
- The appropriateness and quality of measures in implementation
- Potential impact, outcome
- Reinforcing the capabilities in math education

Schedule

Full-text submission and introduction of author due: September 15th, 2021

Presentation (ppt/pptx.doc format) submission due: September 30th, 2021

Date of conference: Thursday, Friday, Saturday, 14, 15, 16th October 2021

Submission Procedure

All submissions must be made to the email iwme@vnies.edu.vn

The registration at the link: http://bit.ly/iwme2021

Publication

The articles of high quality will be selected to be submitted for the workshop proceedings. Some articles were selected to report at the workshop and submitted to the English version of Educational Vietnam Journal of Educational Sciences.

Submission fee

Before September 30th 2021: 2,000,000 VNĐ (87 USD)

After September 30th 2021: 2,500,000 VNĐ (109 USD)

Deputy Director General

Le Anh Vinh