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## Preface

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## Preface

### **1st International Conference on Mathematics, Science, & Computer Education 2019 (IC-MSCEdu 2019)**

**Universitas Lambung Mangkurat, Banjarmasin, Indonesia  
7-8 August 2019**

IC-MSCEdu 2019 is organized by the Mathematics and Natural Science Education major, Teacher Training and Education Faculty, Universitas Lambung Mangkurat in collaboration with several professional organizations, such as Indonesian Society for Science Educators / Perkumpulan Pendidik IPA Indonesia (PPII), Physical Society of Indonesia (PSI), and the Research Association and Indonesian Biology Educators/ Himpunan Peneliti dan Pendidik Biologi Indonesia (HPPBI). The IC-MSCEdu 2019 is an international interdisciplinary conference covering the fields of mathematics, science, computer, and education.

Considering changes in the Industrial Revolution 4.0 era, with the theme "The Role of Mathematics, Science, and Computer Education in Improving the 21st Century Skills in Industrial Revolution 4.0 Era", this conference aims to become an established scientific forum for sharing and publishing research results and discuss the best contributions to improving the quality of education, innovating learning, and developing science through research.

On behalf of the Committee, our sincere gratitude goes to Rector of Universitas Lambung Mangkurat, Dean of Teacher Training and Education Faculty, Head of the Mathematics and Natural Sciences Major, advisory board, steering committee, all committee members, reviewers, presenters, and participants. Special thanks are also given to the Proceedings of the IOP Conference. We on behalf of the 2019 ICMSCEdu committee would like to thank all parties for their participation in supporting this publication. We hope to see you all at the next conference.

Thank you

Dr. Hj. Atiek Winarti, M. Pd., M. Sc  
Chair of IC-MSCEdu 2019



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**(IC-MSCEdu 2019)**  
**Universitas Lambung Mangkurat, Banjarmasin, Indonesia**  
**7-8 August 2019**

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The committee members of ICMSCEdu 2019 would like to thank the sponsors who have provided funding and support to this conference. The sponsors of the IC-MSCEdu 2019 are:

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2. Perkumpulan Pendidik IPA Indonesia (PPII)
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4. Himpunan Peneliti dan Pendidik Biologi Indonesia (HPPBI)
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6. Jurnal Ilmiah Pendidikan Fisika Al-Biruni
7. Jurnal Penelitian Fisika dan Aplikasinya (JPFA)
8. Al-Jabar: Jurnal Pendidikan Matematika
9. Berkala Ilmiah Pendidikan Fisika
10. Quantum: Jurnal Inovasi Pendidikan Sains
11. EDU-MAT
12. Vidya Karya
13. Indonesian Journal on Learning and Advanced Education (IJOLAE)

## Photographs

### 1st International Conference on Mathematics, Science, & Computer Education 2019 (IC-MSCEdu 2019)

Universitas Lambung Mangkurat, Banjarmasin, Indonesia

7-8 August 2019



Opening of the ICMSCEdu by the Rector of ULM Prof. Dr. H. Sutarto Hadi, M. Si., M. Sc



Welcoming Speech by the Chair of the ICMSCEdu, Dr. Hj. Atiek Winarti, M. Pd., M. Sc



Presentation by the Keynote Speaker, Prof. Intan Ahmad, Ph.D



Presentation by the Speaker, Prof. Kathy Cabe Trundle, Ph.D.



Presentation by the Speaker, Prof. Dr. Ing. Mitra Djamal



Question and Answer session on the ICMSCEdu 2019





Question and Answer session on the ICMSCEdu 2019



Parallel Session Presentation at the ICMSCEdu 2019



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Photo session with Rector of Universitas Lambung Mangkuratm Dean of Teacher Training and Education Faculty, Chair of the ICMSCEdu2019, Head of PMIPA FKIP ULM, Keynote Speaker and speakers.



Committee members of the ICMSCEdu 2019