

**SEA-DR 2019**  
25 - 27 July 2019  
Yogyakarta, Indonesia



#SEADR19

## Improving Professionalism and Reflective Thinking through Design Research

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### CALL FOR PARTICIPATION

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Dear colleagues,

The Faculty of Teacher Training and Education of Universitas Sanata Dharma, SEAMEO QITEP in Mathematics, Yogyakarta State University, Universitas Ahmad Dahlan, and South East Asia Design Research (SEA-DR) consortium are proud to announce the 7<sup>th</sup> South East Asia Design Research International 2019, which takes place in Universitas Sanata Dharma, Yogyakarta, Indonesia from **25 July until 27 July 2019**.

Globalization and industrial revolution 4.0 provide immense opportunities for educational development. On the other hand, they are challenges for educational researchers and practitioner to innovate in providing an optimal learning environment for learners. Proactively developing our professionalism is a must in order to create research-informed innovation to our education system. We have to exercise reflective thinking to transform education's challenges into opportunities.

Based on the aforementioned rationale, South East Asia Design Research (SEA-DR) and Faculty of Teacher Training and Education of Universitas Sanata Dharma invites researchers, practitioners, educators, and policymakers to reflect on design research role in addressing educational challenges through international conference with the theme "**Improving Professionalism and Reflective Thinking through Design Research.**"

All information about the conference can be found at [www.usd.ac.id/seadr](http://www.usd.ac.id/seadr). It would be our pleasure to welcoming you in Yogyakarta!

Best Regards,

Yosep Dwi Kristanto, M.Pd.  
Conference Committee Chair

# Conference Venue



SELAMAT DATANG DI YOGYAKARTA — WELCOME TO YOGYAKARTA

Yogyakarta with the tagline “Jogja Istimewa” itself affirms its special values; the city where the civilization on Java was born, the artsy city among the foremost cultural centres of Indonesia. The city has a number of incredible tourist attractions to be explored; starting from strolling around in the magnificent temple of Prambanan, visiting the living museum The Kraton, indulging in the photogenic Parangtritis, shopping in the exotic Malioboro road, to trying the Gudeg—the popular food of this city.

As one of the most popular tourist destinations, Yogyakarta easily reached from domestic cities and overseas. There is a lot of domestic and international flight into and out Yogyakarta’s Adisucipto International Airport. A regular train service connects Yogyakarta with other neighbouring major cities. Yogyakarta is also easily accessible by road in cars or public overland bus services.

Hosted by Faculty of Teacher Training and Education of Universitas Sanata Dharma, we are looking forward to welcoming you in Driyarkara Auditorium building, offering perfect conference setting right in the centre of the city.

## Scientific Programme

Five outstanding keynote speakers have been selected based on the recommendation of the steering committee. The keynotes are as follows.

### KEYNOTE SPEAKERS



**Prof. Toh Tin Lam**

Associate Professor Mathematics & Mathematics Education (MME), National Institute of Education, Singapore

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**Dr. Wanty Widjaja**  
Faculty of Arts and Education,  
School of Education, Deakin University,  
Australia



**Dr. M.L.A.M. (Maarten) Dolk**  
Freudenthal Institute for Science and Mathematics  
Education, Utrecht University, Utrecht,  
The Netherlands

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**Dr. Hongki Julie, M.Si.**  
Faculty of Teacher Training and Education,  
Universitas Sanata Dharma, Yogyakarta,  
Indonesia



**Prof. Dr. Masami Isoda**  
Department of Mathematics,  
University of Tsukuba,  
Japan

**#SEADR19**

  @seadr19usd

The SEA-DR 2019 also invites leading scholars in the educational design research to act as invited speakers. The invited speakers are as follows.

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### INVITED SPEAKERS



**Prof. Dr. Ratu Ilma Indra Putri, M.Si.**  
Universitas Sriwijaya, Palembang, Indonesia



**Prof. Turmudi, M.Ed., M.Sc., Ph.D.\***  
Universitas Pendidikan Indonesia, Bandung, Indonesia

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**Dr. Masitah Shahrill**  
Universiti Brunei Darussalam, Bandar Seri Begawan,  
Brunei Darussalam

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**Dr. Ariyadi Wijaya\***  
Universitas Negeri Yogyakarta, Indonesia

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**Dr. Marcellinus Andy Rudhito, S.Pd.**  
Universitas Sanata Dharma, Yogyakarta, Indonesia

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**Dr. Atiek Winarti, M.Pd., M.Sc.\***  
Universitas Lambung Mangkurat, Banjarmasin, Indonesia

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**Dr. Tatag Yuli Eko Siswono, S.Pd., M.Pd.**  
Universitas Negeri Surabaya, Indonesia

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**Dr. Meiliasari, S.Pd., M.Sc.**  
Mathematics Department, State University of Jakarta, Indonesia

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\*Waiting for confirmation

## Workshop

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The SEA-DR 2019 will organize a variety of workshops in educational design research, professional development, writing a PhD research proposal, and writing for international journals. The instructors of the workshops are as follows.

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**Prof. Dr. H. Zulkardi, M. I. Komp., M. Sc.**  
Universitas Sriwijaya, Palembang, Indonesia

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**Dr. Rully C. I. Prahmana, S.Si., M.Pd.**  
Universitas Ahmad Dahlan, Yogyakarta, Indonesia

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**Wahid Yunianto, M.Sc., M.A.**  
SEAMEO QITEP in Mathematics, Yogyakarta, Indonesia

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# Important Dates

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**1 February 2019**  
Abstract submission open

**22 April 2019**  
Abstract submission deadline

**29 April 2019**  
Accepted abstract announcement  
and registration open

**1 May 2019**  
Full paper and poster  
submissions open

**17 May 2019**  
Early bird deadline

**28 June 2019**  
Full paper and poster  
submissions deadline

**19 July 2019**  
Review deadline

**The 7<sup>th</sup> SEA-DR International Conference**  
25 – 27 July 2019, Yogyakarta, Indonesia

# Submission and Formats

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The #SEADR19 welcome theoretical, methodological, empirical, and technical contributions to all fields in education related to the design research for a paper and poster presentation. The paper and poster proposals should be submitted in English via the conference website [www.usd.ac.id/seadr](http://www.usd.ac.id/seadr). Prior to submitting papers, prospective authors must read the author guidelines section of the website.

We kindly welcome you to volunteer to act as a chair for a parallel session by sign up through the conference website. When you act as a parallel session chair, you have two main duties. First, you should ensure everyone keeps to the designated time. Second, you should make sure the discussion and interaction in the parallel session.

## PAPER SESSION

Paper sessions are oral presentation of several papers which are followed by discussion with the audience. Each paper sessions are held in parallel.

## POSTER SESSION

Poster sessions are visual presentations for research studies. These sessions also allow discussion and interaction with regard to the studies.

# Publication

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The #SEADR2019 committee strives to submit presented papers in the conference to the open access Journal of Physics: Conference Series (JPCS), Jurnal Pendidikan IPA Indonesia (JPII), and Journal on Mathematics Education (JME) which are already indexed by Scopus, as well as Jurnal Pendidikan Matematika (JPM), REiD (Research and Evaluation in Education), Infinity Journal, and International Journal on Emerging Mathematics Education (IJEME) which are accredited by The Ministry of Research, Technology, and Higher Education of Republic of Indonesia.

# Review

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The central aspect of organizing the #SEADR19 is the review process which guarantees the quality of its published papers. Therefore, we attempt to make the process rigorous and transparent. If you want to be a reviewer for SEA-DR 2019, please register on the conference website. The review criteria also can be consulted on the conference website.

# Funding

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The committee will consider providing funding which will be granted under the form of a waived conference fee to presenters who are facing financial struggles and potential to give a significant contribution to the educational design research community. We believe that this funding might be helpful and make our research community more sustainable. Details on this funding will soon be available on the conference website.

# Conference Committees

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## **STEERING COMMITTEE**

Prof. Dr. Maarten Dolk  
Prof. Dr. Zulkardi, M.Kom, M.Sc.  
Prof. Dr. Ratu Ilma Indra Putri, M.Si.  
Prof. Dr. H. Sutarto Hadi, M.Si., M.Sc.  
Prof. Dr. Marsigit, M.A.  
Prof. Dr. Ahmad Fauzan, M. Pd.  
Dr. Yohanes Harsoyo, S.Pd., M.Si.  
Dr. Hongki Julie  
Paulus Kuswando, Ph.D.  
Sudi Mungkasi, Ph.D.  
Dr. Sugiman, M.Si.  
Dr. Ariyadi Wijaya  
Dr. Rahmah Johar, M.Pd.  
Dr. Suparman M.Si., DEA.  
Dr. Rully C. I. Prahmana, S.Si., M.Pd.  
Wahid Yuniarto, M.Sc.

## **CONFERENCE COMMITTEE**

### **Chairperson**

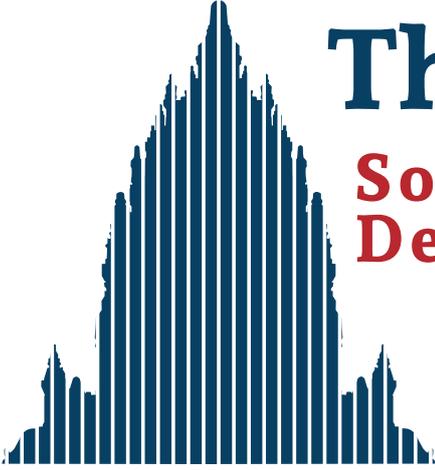
Yosep Dwi Kristanto, M.Pd.

### **Vice Chairperson**

Albertus Hariwangsa Panuluh, M.Sc.

### **Members**

Margaretha Madha Melissa, M.Pd.  
Risnita Vicky Listyarini, M.Sc.  
Cyrenia Novella Krisnamurti, M.Sc.  
Retno Herrani Setyati, M.Biotech.  
Mega Wulandari, M.Hum.  
Maria Vincentia Eka M., S.S., M.A.  
Patricia Angelina, M.Hum.  
Beni Utomo, M.Sc.  
Danang Satria Nugraha, S.S., M.A.  
FX. Made Setianto, S.Pd.  
Nicolas Bayu Kristiawan, S.Pd., M.Sc.  
Bernardinus Agus Arswimba, M.Pd.  
Yoanni Maria Lauda Feroniasanti, M.Si.  
Prias Hayu Purbaning Tyas, M.Pd.  
Hendra M. A., S. Si., MEnvMgmt.



**The 7<sup>th</sup>**  
**South East Asia -  
Design Research**  
**International  
Conference**  
**SEA-DR 2019**  
**Y O G Y A K A R T A**  
**25 - 27 July 2019**

Hosted by:

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Collaborate with:

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