



THE 8th SEAMS-UGM 2019

International Conference on Mathematics and Its Applications

SECOND ANNOUNCEMENT - CALL FOR PAPERS

<http://seams-ugm.id>



July 29th-August 1st, 2019

📍 The Alana Yogyakarta Hotel & Convention Center, Yogyakarta, Indonesia



The 8th
SEAMS-UGM
2019

*"Deepening Mathematical Concepts for Wider Application
through Multidisciplinary Research and Industries Collaborations"*

IMPORTANT DATES

APRIL 27	MAY 6	MAY 13	JULY 13	AUGUST 13	OCTOBER 14
Abstract submission (deadline)	Notification of abstract acceptance	Payment for registration (Early bird)	Payment for registration (Normal)	Full paper submission (deadline)	Notification of paper acceptance



Theme:

*"Deepening Mathematical Concepts for Wider Application
through Multidisciplinary Research and Industries Collaborations"*

Department of Mathematics, Universitas Gadjah Mada (UGM), in cooperation with SEAMS (South East Asian Mathematical Society) organizes an International Conference on Mathematics and its Applications in Yogyakarta, Indonesia, once in every four years, as a commitment in mathematical activities to SEAMS. The first SEAMS-UGM Conference was held in 1991 and the last (seventh) conference was held in 2015.

The 8th SEAMS-UGM 2019 Conference will be conducted on July 29th - August 1st, 2019. The scientific program will include keynote lectures, invited lectures, contributed presentations, and mini-symposia on selected topics. The objectives of the conference are to provide a forum for researchers, lecturers, educators and students to exchange ideas, to communicate and to discuss research findings and new advances in mathematics in the wide area of mathematics. This conference is also aimed to deepen mathematical concepts and widen its application through collaboration with industries. It is also hoped that the conference will enhance collaboration between researchers from the countries in the region and those from outside the country.



SCIENTIFIC PROGRAMME

The scientific program will consist of a conference and several workshops. The conference will consist of plenary and parallel invited lectures and parallel contributed presentations. Selected papers would be double blind reviewed and published in the AIP Proceedings (<http://www.aip.org>) that will be indexed by Scopus. The online proceedings will be permanently free-to-read and available to researchers worldwide without any fee to access or download the papers.

There will be several workshops as satellite event. The workshops are intended to upgrade knowledge in mathematical modelling, optimization and its computations, statistics, actuarial science, and data science.

KEYNOTE SPEAKERS

Our keynote speech delivered by keynote speakers.

Prof. Basuki Widodo (Institute Teknologi Sepuluh November, Indonesia)

Prof. Ken Seng Tan, Ph.D. (University of Waterloo, Canada)

PLENARY SPEAKERS

We've invited speakers from around the world!

Dr. W. T. van Horssen (Delft University of Technology)

Dr. Srivatsan Vijayaraghavan (National University of Singapore)

Prof. Ahmad Erfanian (Ferdowsi University of Mashhad)

Prof. Ling San, Ph.D.* (Nanyang Technological University)

Dr. David Landriault* (University of Waterloo)

Dr. Ayesha Asloob Qureshi (Sabanci University)

Prof. Mitsuru Sugimoto (Nagoya University)

Prof. Alexander Zimmermann (Universite de Picardie)

Dr. Atok Zulijanto (Universitas Gadjah Mada)

Dr. Eridani (Universitas Airlangga)

Dr. F. M. Spieksma (University of Leiden)

Dr. Shelton Peiris (The University of Sydney)

Prof. Bao Weizhu (National University of Singapore)

Prof. Chen Zehua (National University of Singapore)

Dr. Imam Solekhuudin (Universitas Gadjah Mada)

Prof. Dr. Wono Setyabudhi (Institut Teknologi Bandung)

Prof. Marjono, M.Phil., Ph.D. (Universitas Brawijaya)

Matthias Templ, Ph.D.* (Zhu School of Engineering)

Prof. Michael Katehakis (Rutgers Business School Newark and New Brunswick)

Prof. Dr. Engku Muhammad Nazri Engku Abu Bakar (Universiti Utara Malaysia)



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CALL FOR PAPERS

Participants who want to present their paper should submit their abstract no later than **April 27, 2019**. Only selected abstracts will be presented in the conference. The abstract review process will take at most one month. The deadline for full paper submission will be on **August 13, 2019**. The announcement of accepted papers will be on **October 14, 2019**. All contributed talks will have about 20 minute lectures (including Q & A) in the parallel sessions.

The abstract template and the full paper template are available at:

<http://ugm.id/abstractSEAMSUGM2019>

<http://ugm.id/fullpaperSEAMSUGM2019>

Topics to be covered include (**but are not limited to**):

All the research areas of Pure, Applied Mathematics, and Mathematics Education:

Analysis, Applied Analysis, Algebra, Applied Algebra, Algorithms, Theoretical Computer Science, Dynamical Systems, Control Theory and Automation, Discrete Applied Mathematics, Fuzzy Sets and Systems and Fuzzy Logic, Mathematical Modeling (including but not limited to Mathematical Physics, Mathematical Chemistry, Mathematical Biology and Mathematical Medicine), Optimization, Operational Research, Quality Theory of Differential Equations, Financial Mathematics, Risk Management, Actuarial Science, Neural Network, Theoretical and Applied Aspects of Computational Geometry, Mathematics Education, Statistics, and Probability.

PROCEEDING

To assure the quality of the proceeding, we will do peer reviews of the submitted full papers. Each paper will be reviewed by two experts in the fields. Selected papers would be double blind reviewed and published in the AIP Proceedings (<http://www.aip.org>) that will be indexed by Scopus. The online proceeding will be permanently free-to-read and available to researchers worldwide without any fee to access or download the papers.

REGISTRATION AND CONFERENCE FEE

Participants (presenter or non-presenter) should register no later than **April 27, 2019** via website:

<http://register.seams-ugm.id>

CONFERENCE FEE

The conference fee will cover: conference kits, meals (for 4 days: per day 1 lunch and 2 times of coffee breaks), one gala-dinner, and a certificate of participation.

INTERNATIONAL Presenter and Participant

All price including publication fee

	Early Bird	Regular Price
General Presenter	USD 500	USD 600
General Participant	USD 350	USD 450
Student	USD 300	USD 400

DOMESTIC Presenter and Participant

All price including publication fee

	Early Bird	Regular Price
General Presenter	Rp4,800,000.00	Rp6,500,000.00
General Participant	Rp2,750,000.00	Rp3,250,000.00
Student	Rp2,750,000.00	Rp3,250,000.00
IndoMS Presenter	Rp3,750,000.00	Rp4,800,000.00

Workshop on Partial Differential Equations and Singular Perturbation

Part 1: July 23-27, 2019 at Universitas Gadjah Mada

Part 2: August 2-8, 2019 at Universitas Negeri Yogyakarta

Lecturer:

Dr. W. T. van Horssen (TU Delft, Netherlands)

Dr. J. J. M. Tuwankotta (Institut Teknologi Bandung, Indonesia)

Fee:

Domestic Participant

Rp1,600,000.00 (for SEAMS-UGM Conference Participants)

Rp2,000,000.00 (the others)

International Participant

USD200

Workshop on Algebraic Graph

Date and Place:

to be announced later

in Faculty of Mathematics and Natural Sciences, UGM

Lecturer:

Prof. Dr. Ahmad Erfanian (Ferdowsi University, Iran)

Fee:

Domestic Participant

Rp1,500,000.00 (for SEAMS-UGM Conference Participants)

Rp2,000,000.00 (the others)

International Participant

USD200

Workshop on Algebra: Coding and Cryptography

Date and Place:

to be announced later

in Faculty of Mathematics and Natural Sciences, UGM

Lecturer:

Prof. Dr. Frederic Ezerman and the team

Fee:

Domestic Participant

Rp1,200,000.00 (for SEAMS-UGM Conference Participants)

Rp1,500,000.00 (the others)

International Participant

USD150

Workshop on Data Science for Industry 4.0

Date and Place:

22-27 July, 2019

in The Alana Yogyakarta Hotel & Convention Center, Yogyakarta

Inviting several professional and startups*

Fee:**Domestic Participant**

Rp5,000,000.00 (for SEAMS-UGM Conference Participants)

Rp5,500,000.00 (the others)

International Participant

USD550



Workshop on Generalized Linear Model and Its Application in General Insurance

Date and Place:

to be announced later

in Faculty of Mathematics and Natural Sciences, UGM

Inviting several professional and startups*

Fee:**Domestic Participant**

Rp1,500,000.00 (for SEAMS-UGM Conference Participants)

Rp2,000,000.00 (the others)

International Participant

USD200



Steering Committees

- Jose Maria P. Balmaceda, Ph.D.** (President of SEAMS, Univ. of the Philippines College of Science, Philippines)
Prof. Ludovic Rifford (President of CIMPA)*
Prof. Ling San, Ph.D. (ex-SEAMS President, Nanyang Technological University, Singapore)
Dr. W. T. van Horssen (TU Delft, The Netherlands)
Assoc. Prof. Shelton Peiris (The University of Sydney, Australia)
Prof. Chen Zehua (National University of Singapore, Singapore)
Prof. Ravi P Agarwal (Texas A&M University-Kingsville, United States)*
Prof. Mohammad Mursaleen (Aligarh Moslem University, India)*
Prof. Basuki Widodo (President of IndoMS, Institut Teknologi Sepuluh November, Indonesia)
Dr. Intan Muchtadi (Vice President of SEAMS, Institut Teknologi Bandung, Indonesia)
Prof. Edi Tri Baskoro (ex-President of SEAMS, Institut Teknologi Bandung, Indonesia)
Prof. Sri Wahyuni (ex-President of IndoMS, Universitas Gadjah Mada, Indonesia)
Prof. Widodo (ex-President of IndoMS, Universitas Gadjah Mada, Indonesia)
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Dr. Solikhatun (Universitas Gadjah Mada, Indonesia)
Dwi Ertiningsih, M.Sc. (Universitas Gadjah Mada, Indonesia)

About Universitas Gadjah Mada

Universitas Gadjah Mada is the oldest and largest university in Indonesia. It was founded on December 1949. Further information about Universitas Gadjah Mada can be found at:

<http://ugm.ac.id>



About Yogyakarta



Yogyakarta is located in the area of Central Java, and it can be reached by plane in about an hour from Jakarta. It was founded in 1775 as a part of the Mataram Kingdom. The city is famous as a cultural center and for its silver works, batiks, and leather goods. Some of interesting sights are the 18th century palace of the Sultan, Tamansari (Water Castle), the most famous active volcanoes Merapi Mountain, the nearby ancient Borobudur, Prambanan, Sukuh, and Gedong Songo Temples, etc. The Ramayana Ballet (one most famous of the Ramayana story) is performed three times a week at the Prambanan Temple. Further information about Yogyakarta can be found in, for instance, <http://jogja.info>.





Southeast Asian
Mathematical
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For further detail about the conference and related information,
please visit:

<http://seams-ugm.id>

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