

SEAMS and its Position Toward Better Development of Mathematics in the Region

**MENAO, Mathematics in Emerging Nations:
Achievements and Opportunities**

Seoul Korea

Tuesday, 12 August 2014

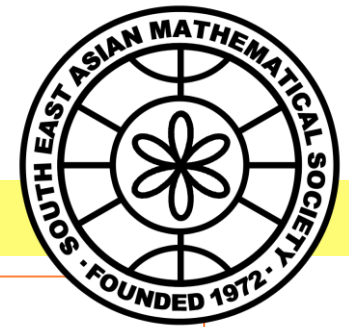
Edy Tri Baskoro

President

SEAMS – South East Asian Mathematical Society

SEAMS's brief history

Southeast Asian Mathematical Society



Founded in 1972

(Inaugural meeting: July 1972 in Singapore)

<http://seams-math.org>

Founding president:

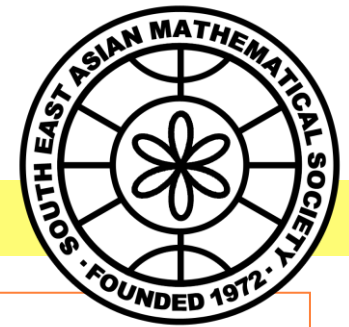
Prof Wong Yung Chow (1913 – 2004) of the University of Hong Kong.

Main objectives:

- To promote the advancement of mathematical science in Southeast Asia
- To facilitate the exchange of information about current research work and teaching methods
- To encourage and foster friendly collaborations

SEAMS Members

Southeast Asian Mathematical Society

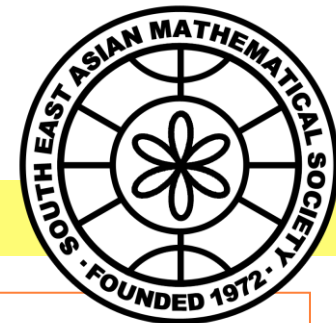


1. **Cambodian Mathematical Society** (founded 2005)
2. **Hongkong Mathematical Society** (founded 1979)
3. **Indonesian Mathematical Society** (founded 1976)
4. **Malaysian Mathematical Sci. Society** (founded 1970)
5. **Mathematical Society of the Philippines** (founded 1973)
6. **Singapore Mathematical Society** (founded 1952)
7. **Mathematical Association of Thailand** (founded 1978)
8. **Vietnam Mathematical Society** (founded 1966)
9. **Mathematical Society of Myanmar** (founded 2013)

Affiliate Member: Nepal Mathematical Society

SEAMS Council

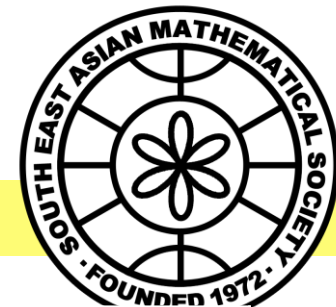
Southeast Asian Mathematical Society



- ◆ **President** (two years term)
- ◆ **Two Vice-Presidents, a Secretary and a treasurer**
- ◆ **President-Elect** (during the odd numbered years only)
- ◆ **Ex-President** (during the even numbered years only)
- ◆ **Ex-officio members, two representatives of the Publications Committee, and one representative from each member country which is not represented amongst the Officers of the Society**

SEAMS Council Member

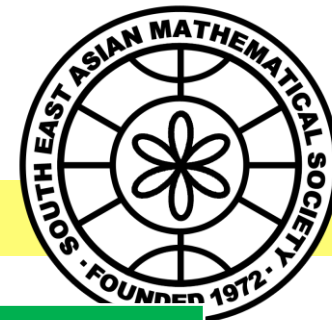
Southeast Asian Mathematical Society



Edy Tri Baskoro (Indonesia)	Budi Nurani (Indonesia)
Ling San (Singapore)	Widodo (Indonesia)
Yongwimon Lenbury (Thailand)	Rosihan M. Ali, Dato (Malaysia)
Le Tuan Hoa (IMH, Vietnam)	Maslina Darus (Malaysia)
Intan M. Alamsyah (Indonesia)	K.P. Shum (Hongkong)
Nguyen van Sanh (Thailand)	Fidel Nemenzo (Philippines)
Zhu Chengbo (Singapore)	Jumela Sarmiento (Phillipines)
W.S. Cheung (Hongkong)	Suthep Suantai (Thailand)
Nguyen Huu Du (Vietnam)	Wanida Hemakul (Thailand)
Chan Roath (Cambodia)	Thein Myint (Myanmar)
Ty Poli Reth (Cambodia)	Saw Win Maung (Myanmar)

SEAMS Officers

Southeast Asian Mathematical Society



President	Edy Tri Baskoro (ITB, Indonesia)
Vice- Presidents	Ling San (NTU, Singapore) Yongwimon Lenbury (Mahidol, Thailand)
Secretary	Intan Muchtadi Alamsyah (ITB, Indonesia)
Treasurer	Ngunyen van Sanh (Mahidol, Thailand)

SEAMS Presidents

Southeast Asian Mathematical Society



Edy Tri Baskoro (Institut Teknologi Bandung, Indonesia). 2014-2015

Le Tuan Hoa (Vietnam Institute for Adv. Study in Mathematics) 2012-2013

Fidel R Nemenzo (University of the Philippines) 2010-2011

Rosihan M. Ali (Universiti Sains Malaysia) 2008-2009

Wanida Hemakul (Chulalongkorn University, Thailand) 2006-2007

Tan Eng Chye (National University of Singapore) 2004-2005

Kar Ping Shum (Chinese University of Hong Kong) 2002-2003

Do Long Van (Institute of Mathematics, Hanoi) 2000-2001

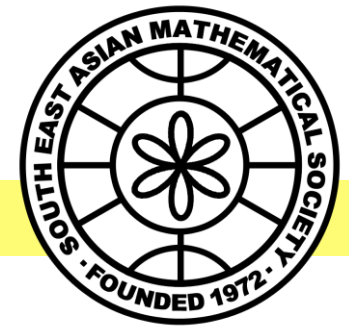
Polly W Sy (University of the Philippines) 1998-1999

Soeparna Darmawijaya (Gadjah Mada University, Indonesia) 1996-1997

Suwon Tangmanee (Suranaree Univ. of Technology, Thailand) 1994-1995

SEAMS Presidents

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Modin Mokta (Malaysia) 1992-1993

Marijo Ruiz (Ateneo de Manila University, Philippines) 1990-1991

Kar Ping Shum (Chinese University of Hong Kong) 1988-1989

Lim Chong Keang (University of Malaya) 1985-1987

Virool Boonyasombat (Chulalongkorn University, Thailand) 1983-1984

Lee Peng Yee (Nanyang University) 1981-1982

Tan Wang Seng (Universiti Sains Malaysia) 1979-1980

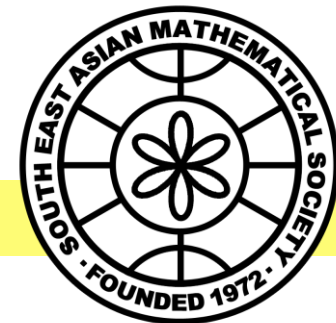
Bienvenido F Nebres (Ateneo de Manila University) 1977-1978

Teh Hoon Heng (Nanyang University) 1975-1976

Wong Yung Chow (University of Hong Kong) 1973-1974

SEAMS Publication

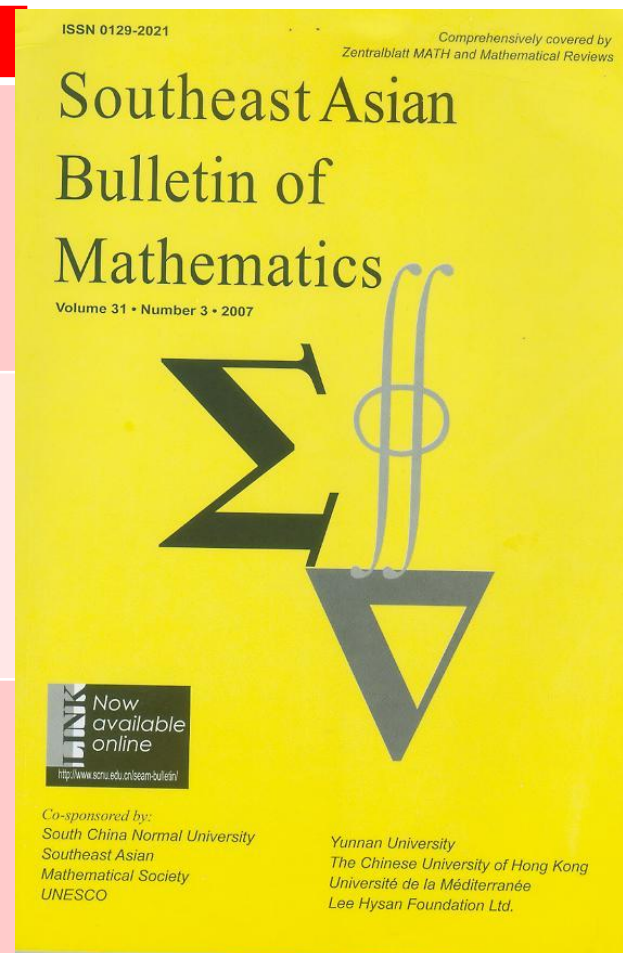
Southeast Asian Mathematical Society



The Southeast Asian Bulletin of Mathematics (SEAMS Bulletin) is a bimonthly journal. First issue in 1976.

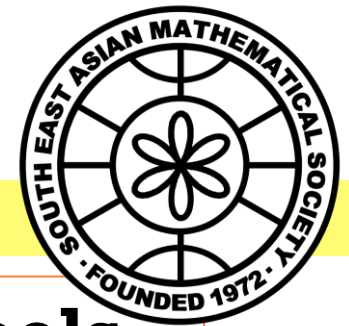
Now, co-sponsored by:
The South China Normal University,
Yunnan University and
UNESCO.

Editor-in-chief :
Sum Kar Ping (Former Prof. of University of Hong Kong, currently at Yunnan).



SEAMS Activities

Southeast Asian Mathematical Society



Organize workshops, conferences, schools.

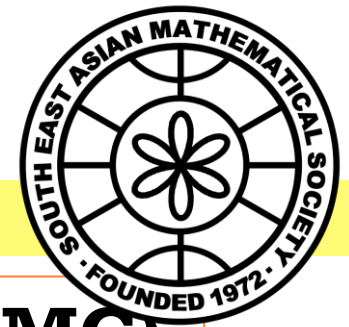
Some well-known series:

- Biennial meetings (1972 – 1988),
- SEACME (Southeast Asian Conference on Mathematics Education) 1978-1999, and later, the EARCOME (East Asia Regional Conference on Mathematics Education),
- Franco - Southeast Asian Mathematical Conference (now continued by CIMPA-UNESCO workshops/conferences).

Many international conferences/workshops organized in member countries.

SEAMS Activities

Southeast Asian Mathematical Society



The Asian Mathematical Conference (AMC) series is a major SEAMS conference, held every 4-5 years and hosted by countries in Asia.

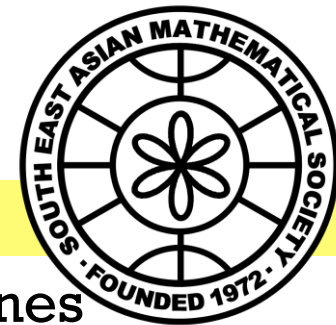
- First AMC: Hong Kong (1990)
- Other AMCs: Thailand (1995), Philippines (2000), Singapore (2005), Malaysia (2009), Busan Korea (2013).
- Next AMC-2016 in Bali Indonesia.

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More and more mathematicians from Asia and other parts of World attended this AMC.

SEAMS Activities

Southeast Asian Mathematical Society

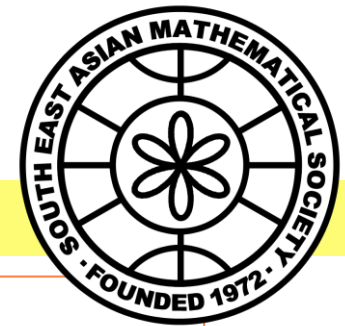


2000: AMC Manila, Philippines
2009: AMC Kuala Lumpur, Malaysia
2013: Busan Korea



SEAMS Activities

Southeast Asian Mathematical Society



Organize **SEAMS Schools** every year:

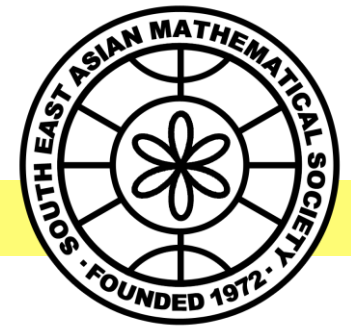
- 2011: Applications of Algebra and Analysis (Philippines).
- 2013: Algebraic Curves (Vietnam), Numbers, Matrices and Graphs (ITB Indonesia).
- 2014: Stochastic Processes and Its Applications in Finance and Insurance (IPB Indonesia), Module Theory and Its Applications (ITB Indonesia).
- 2015+: 5-6 SEAMS schools held in countries in Southeast Asia.

Objectives:

- To provide opportunity to have an advanced learning experience in mathematics, and to introduce a research-based learning for undergraduate as well as master students.
- To provide a preparation for students to attend CIMPA Schools.

Supported by CIMPA.

SEAMS Schools



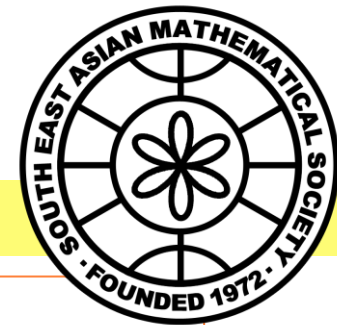
2013: Numbers, Matrices and Graphs (ITB Indonesia).

2011:
Applications of
Algebra and
Analysis
(Philippines).



SEAMS challenges and opportunities

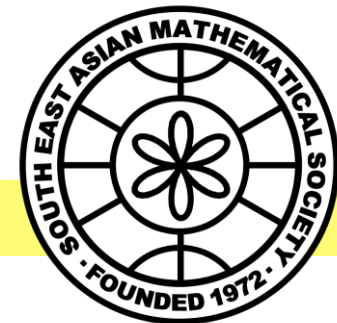
Southeast Asian Mathematical Society



- In recent years, many development of mathematics in the region. However, not evenly spread in all fields of mathematics, not in all countries.
- Each mathematical society in the region has own national, regional as well as international conferences/workshops; publications, potential critical mass.
- More centers, research groups, mutual collaborations established.
- However ...

SEAMS challenges and opportunities

Southeast Asian Mathematical Society



- Not all countries in ASEAN have comparable mathematical teaching and research achievements.

Singapore Vietnam

Malaysia

Indonesia Philippines Thailand

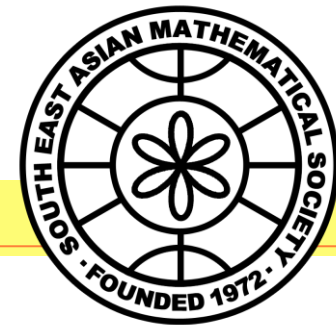
Myanmar Cambodia Laos

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- Not all fields of mathematics receive the same attention (advancement)

SEAMS challenges and opportunities

Southeast Asian Mathematical Society



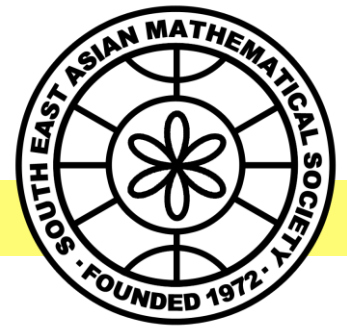
Strength:

- Many enthusiastic mathematicians who are committed to promote mathematics (both research and education) and the collaboration within the region.
- Many good students who love mathematics.
- Short distances, and therefore low travel costs (especially now with cheap flights).

==> Stronger collaboration between IMU, NIM Centers, Math Societies, other Math Centers, and SEAMS in promoting and developing mathematics in the region.

SEAMS

Southeast Asian Mathematical Society



Thank you for your attention.