

History of AMS and Future Perspective

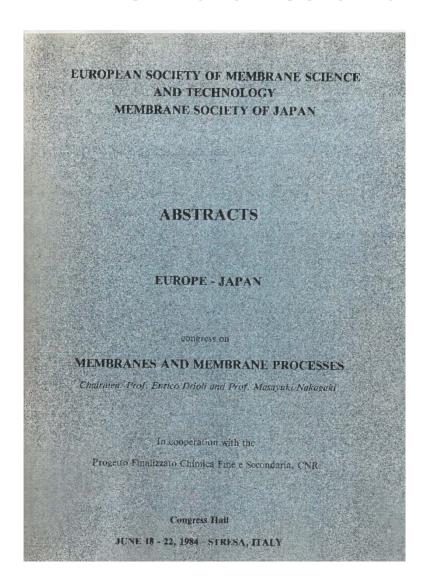
Shin-ichi Nakao

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Chemical Research Group
Inorganic Membranes Research Center
Research Institute of Innovative Technology for the
Earth(RITE)



The First Congress on Membranes and Membrane Processes



EUROP-JAPAN Congress on Membraes and Membrane Processes

June 18-22, 1984 Stresa, Italy

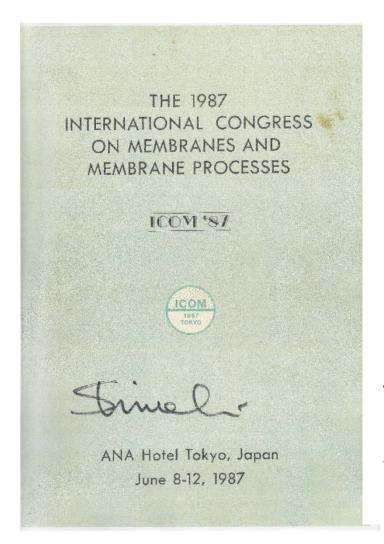
Chairmen:
Prof. Enrico Drioli and
Prof. Masayuki Nakagaki

The Congress will be held in every 3 years.



The Start of ICOM

ICOM: International Congress on Membranes and Membrane Processes



Sponsored by The Membrane Society of Japan and

The European Society of Membrane Science and Technology

Chairmen: Prof. M. Nakagaki and Prof. E. Drioli

The North American Membrane Society (NAMS) has been established. Therefor the name of congress became "International".

The order to organize ICOM

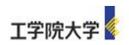
The Membrane Society Japan

The North American Membrane Society

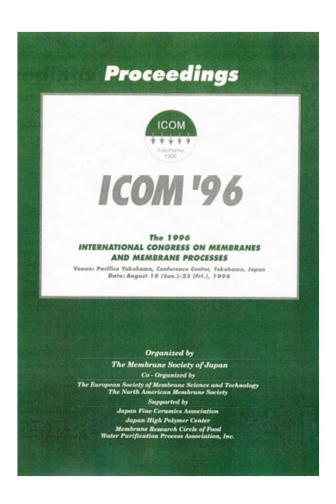
The European Society of Membrane Science and Technology

ICOM '87 in Tokyo, Japan ICOM '90 in Chicago, USA ICOM '93 in Heidelberg, Germany ICOM '96 in Yokohama, Japan

(The European Membrane Society)



The Membrane Society of Korea has intended to organize ICOM.



ICOM '96 in Yokohama, Japan

The membrane Society of Japan (MSJ) and The Membrane Society of Korea(MSK) discussed and they decided that the next ICOM in Asia would be held in Korea.



The Membrane Society of Korea has intended to organize ICOM.

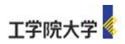


Program

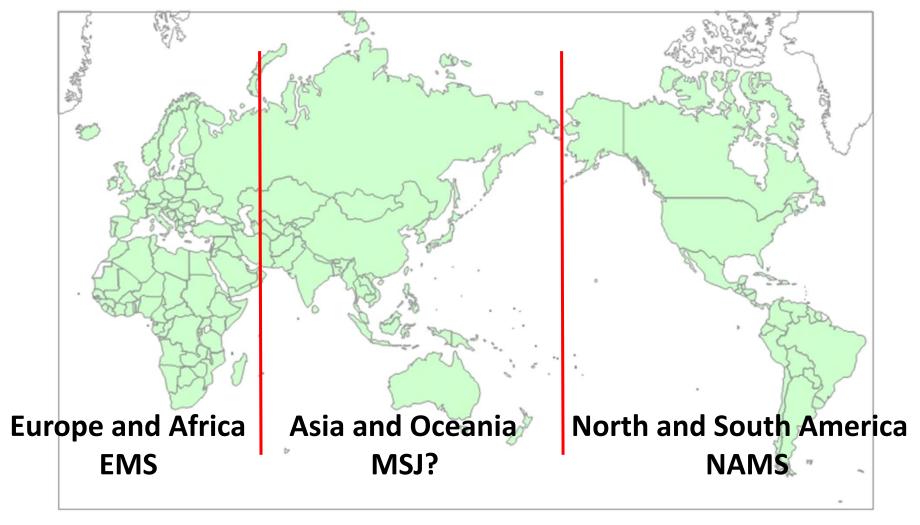
Toronto, Canada 12 - 18 June 1999

ICOM '99 in Toronto, Canada

MSJ proposed that ICOM would be held in the three areas of the world in the order of the three areas.



The New Rule proposed at ICOM '99 in Toronto, Canada





The membrane society which represents Asia and Oceania

There was no representative society of Asia and Oceania, therefore MSJ and MSK must establish the representative society before next ICOM2002, and the new society will organize ICOM 2005. This proposal was authorized.

The both societies had the final meeting for the establishment of the new society in Nov. 10, 2000 during the Annual Fall Meeting of MSK held in Kwangju, Korea with attendees of S. C. Kim, S. H. Noh, Y. S. Kang from MSK and S. I. Nakao from MSJ.



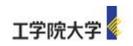
Establishment of the Society in Asia and Oceania area

Name: Asia + Oceania → Aseania → Aseanian Aseanian Membrane Society Founding Members:

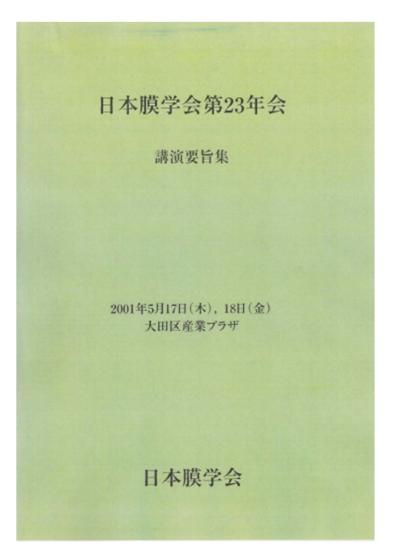
- -The Membrane Society of Japan
- -The Membrane Society of Korea
- -UNESCO Center for Membrane Science and Technology

Establish Date: 2001.5.18

Place of signing: Tokyo, Japan



Signing Ceremony for the Establishment of the Aseanian Membrane Society



第23年会日程表

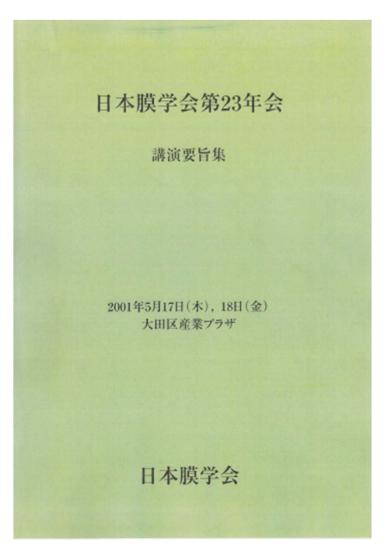
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コンペンションオ	ル 〈4階〉		会議室)	ロビー(4階)	
A会場(ホールA)	B会場(ホールB)	(日野)		or value	
	- 交 付	開始	_		
開会技授 日本機學会会長 宮嶋孝一郎				機器異示	
特別講演(1) 高泰華一				ポスター展示 (10件)	
特別講演〈2〉 増田後夫				機器·書籍販示	
8EFCM				ポスター計論	
	昼食休憩				
シンポジウム 優による水気弾システム を考える	現界領域 (9件)	44	4,440	ポスター異示	
2010	人工模		644-)	****	
人工機 (8件)	(1149)			機器-書籍展示	
想机会					

2001年5月18日(金)

コンペンションホール(4階)		C会場(D会議室)	ロビー(4階)
A会場(ホールA)・	B会場(ホールB)	(6階)	
シンポジウム 情報素子としての 生体競および その模像技術の開発	人工機 (31件)	人工時 (12件)	ポスター展示 機器・書籍展示
	登 食	休息	
日本膜学会総会			Market Million
アクア太平洋被学会免会式			ポスケー展示機器・書籍展示
日本教学会教学研究 奨励賞受賞者記念講演			
全体シンポジウム			
間会挨拶 日本腰学会第23年会 組織委員長 各脚列彦			

Signing Ceremony for the Establishment of the Aseanian Membrane Society







Signing Ceremony for the Establishment of the Aseanian Membrane Society



Japan-Korea Joint Session

口演〈B会場・4階〉 第2日 5月18日(金) 9:00~11:45

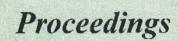
●B-2-1~-4	
Chairs Hideto Matsuyama (Kyoto Inst. Tech.) -Toshiyuki Kanamori (AIST)	
B-2-1 (9:00 9:15) Antigen-Responsive Properties of Hydrogel Membranes Having Antigen-	
antibody Bindings (Faculty of Engineering, Kansai University)	
OTakashi Miyata, Noriko Asami, Tadashi Uragami	43
B-2-2 (9:15~9:30) Preparation of Surface-hydrophilic Polysulfone Membranes and Evaluation of	
Their Biocompatibility (Faculty of Engineering, Seikei University)	
OAkon Higuchi, Masaharu Harashima, Kazunobu Shirano, Mariko Hara	
(Health Care Center, Seikei University) Mitsuo Hattori,	
11 1111 11 11 11	49
B-2-3 (9:30~9:45) Preparation and Oxygen Permeability of IPN Membranes based on Silicone	45
and Polystyrene, and Its Use in Diesel Engine	
(Department of Industrial Chemistry Keimyung University)	
14 0 011 7 0	50
B-24 (9:45~10:00) Functions of Hydrogel Membranes Constructed with Optically Active	30
Polymers Polymers	
(Department of Polymer Science & Engineering, Kyoto Institute of Technology)	
○Takashi Aoki,	
(Department of Chemistry, Sophia University) Mika Muramatsu, Kohei Sanui	51
•	
●B-2-5~8	
Chairs Masshiko Matsukata (Waseda Univ.) - Makio Tamura (Japan Organo)	
B-25 (10:00—10:15) PDMS-Dendrimer Membranes Containing Silver Ions for Olefin/Paraffin	
Separation	
(Center for Facilitated Transport Membranes Korea Institute of Science and Technology)	
	52
B-2-6 (10:15-10:30) Molecular Recognition and Liquid Membrane Transport of Amino Acids	
(Department of Chemical Systems and Engineering Kyushu University)	
	53
B-27 (10:30—10:45) Production of W/O/W Emulsions Using Precisely Fabricated Porous Media	
(Japan Science and Technology Corporation) ○Takahiro Kawakatsu,	
(Lund University) Gun Trägårdh, Christian Trägårdh	54
B-2-8 (10:4511:00) Enhancement of Properties for Reverse Osmosis Membrane	
(Departent of Environmental Engineering, Dong-Eui University) ONowon Kim	55
●B-2-9~11	
Chairs Masso Sudoh (Shizuoka Univ.) - Takahiro Kawakatsu (JSTC)	
B-2-9 (11:00-11:15) Preparation of Palladium Micromembranes by Electrolysis	
(Department of Applied Chemistry, Kyushu University)	
○Katsuki Kusakabe, Makoto Takahashi, Shigeharu Morooka	
(Department of Inorganic Materials, Kyushu National Industrial Research Institute)	
1111 1114 1	56
B-2-10 (11:15~11:30) Synthesis and pervaporation properties of a thin mordenite membrane on a	56
porous alumina tubular support	
(Department of Applied Chemistry, Waseda University)	
	57
B-2-11 (11:30~11:45) Paper Wastewater Treatment Using Ceramic Ultrafiltration System with	
Periodic Water Backflushing	
(Division of Life Science, Hallym University)Mi Hee Kim, OJin Yong Park —	58

May 18, 2001 9:00-11:45 11 Oral Presentations

7 from Japan
4 from Korea



The First Conference of Aseanian Membrane Society



The First Conference of Aseanian Membrane Society

Date: May 15, 2002

Venue: National Museum of Emerging Science and Innovation, Tokyo, JAPAN



Date: May 15, 2002

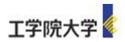
Venue: Tokyo, Japan

Chairperson of Organizing Committee Yoshinori Nozawa

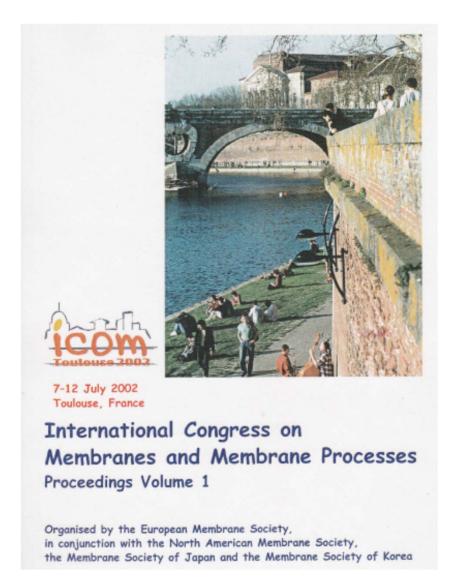
Chairperson of Executive Committee Shin-ichi Nakao

2 Invited Lectures (J, K) 17 Oral (J9, K5, C3)

13 Poster (J8, K3, C2)



ICOM 2002 in Toulouse, France

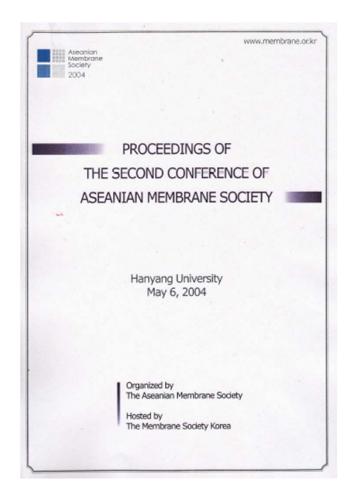


The establishment of The Aseanian Membrane Society was announced by MSJ and MSK, and it was also announced that the first conference has been held in May 15, 2002.

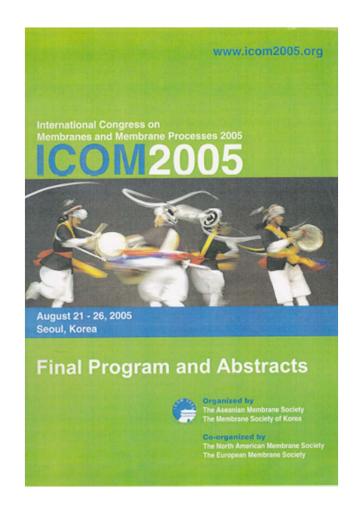
MSK then declared that ICOM 2005 would be held in Soul, Korea and that MSK would organize it with The Aseanian Membrane Society.

This was the first announcement of the establishment of AMS to the world.

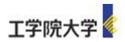
AMS 2 in 2004 and ICOM 2005



Chairperson: Tae Moon Tak



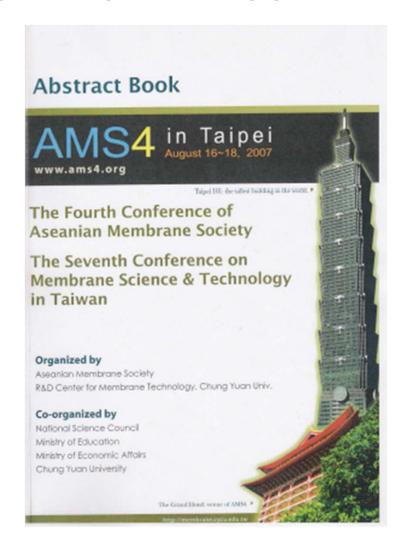
Congress Chairman: Un Young Kim Or. Com. Chairman: Tae Moon Tak



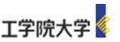
AMS 3 in 2006 and AMS 4 in 2007



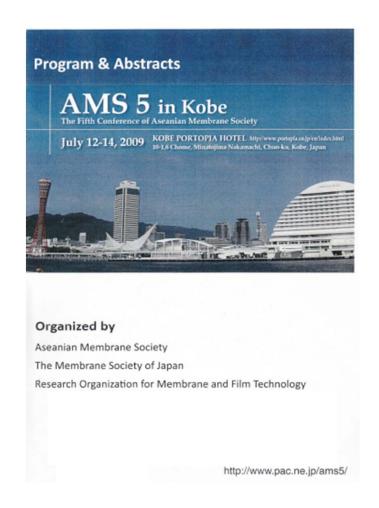
Chairs: Xia-Lin Wang Wan-Qin Jin



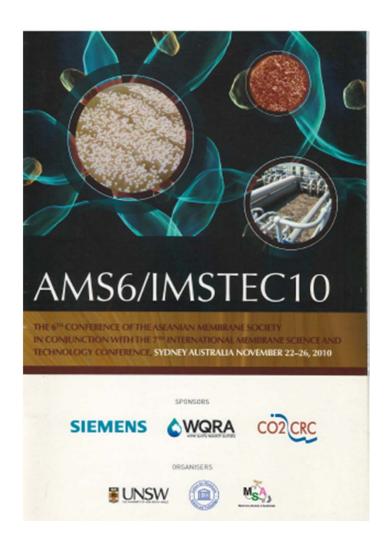
Chair: Juin-Yih Lai



AMS 5 in 2009 and AMS 6 in 2010



Chairs: Shin-ichi Nakao Hideto Matsuyama

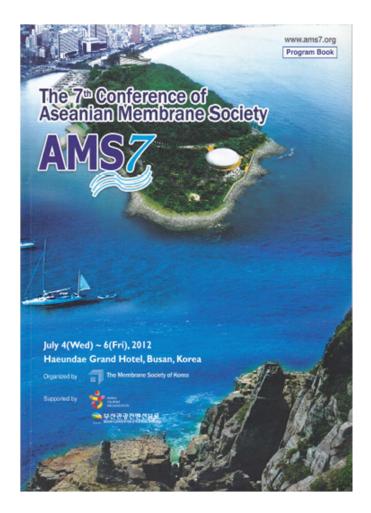


Chair: Vicki Chen

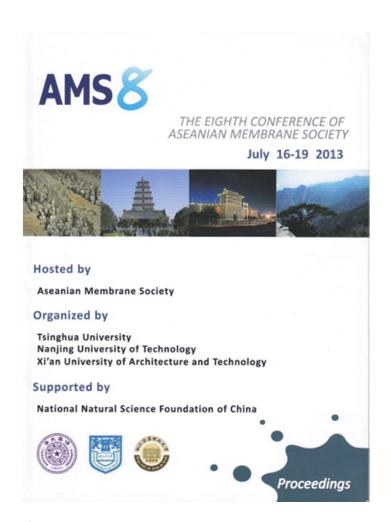
Co-Chair: Greg Leslie



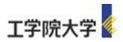
AMS 7 in 2012 and AMS 8 in 2013



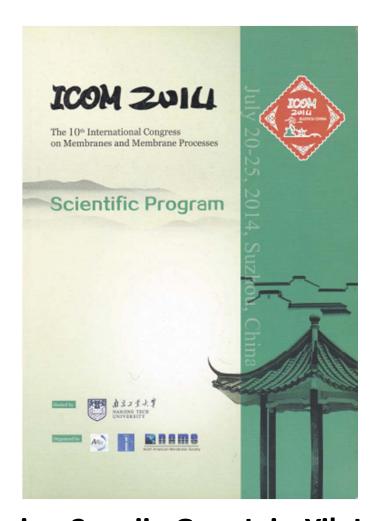
Chairpersons: Kwang Hyun Lee Hong Sik Byun



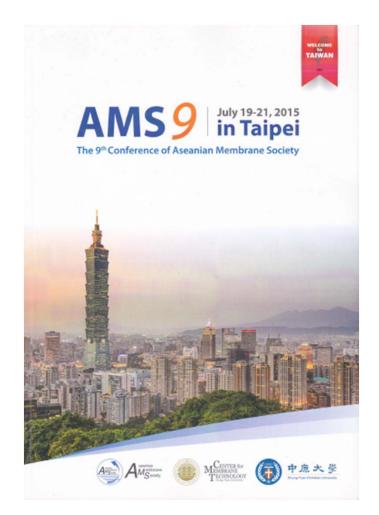
Chairpersons: Xiao Lin Wang Wan Qin Jin



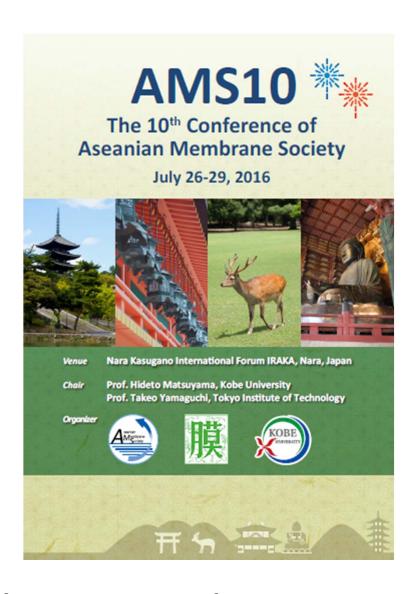
ICOM 2014 and AMS 9 in 2015



Chairs: Congjie Gao, Juin-Yih Lai Wanqin Jin, Xiaolin Wang



Honorary Chair: Juin-Yih Lai Co-Chairs: Kueir-Rarn Lee Da-Ming Wang



Chairpersons: Hideto Matsuyama Takeo Yamaguchi



AMS Presidents

The president's term is 2 years.

1st 2001.5-2003.4 Yoshinori Nozawa, Japan

2nd 2003.5-2005.4 Tae Moon Tak, Korea

3rd 2005.5-2007.12 Shin-ichi Nakao, Japan

4th 2008.1-2009.12 Yong Soo Kang, Korea

5th 2010.1-2011.12 Juin Yih Lai, Taiwan

6th 2012.1-1013.12 Young Moo Lee, Korea

7th 2014.1-2015.12 Cong Jie Gao, China

8th 2016.1-2017.12 Hideto Matsuyama, Japan



Future Perspective

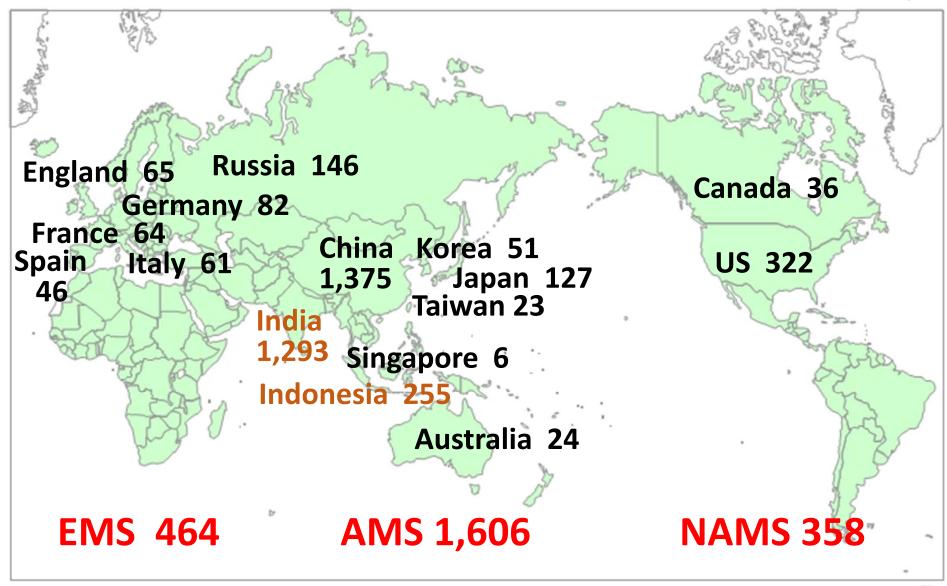
AMS member countries

- Japan, The Membrane Society of Japan
- Korea, The Membrane Society of Korea
- Australia and New Zealand,
 The Membrane Society of Australasia
- China
- Taiwan, Taiwan Membrane Socity
- Singapore, Singapore Membrane Society



World Population in 2015

million



Meaning of the Huge Population in Aseanian Area

- Number of researchers in the field of membrane science and technology is the largest.
 - → Research activity will be becoming more and more active in Aseanian area
- The market of industries related to membranes and membrane processes is the largest.
 - → The industries will be growing more and more in Aseanian area.

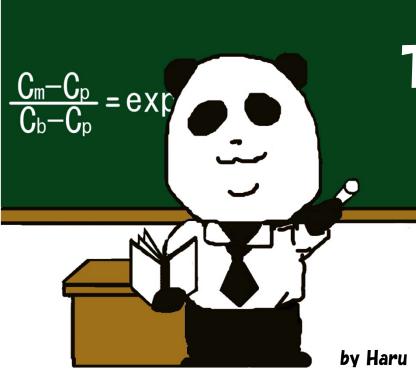


Important points in R & D of membrane science and Technology

- The purpose of R & D is not to publish papers.
- AMS should be supported by industries.
- Academia and industries should collaborate in R & D.
- R & D must target industrial applications.

I believe AMS will be the leading society of the membrane science and technology in the world in very near future.





Thank you for your kind attention