Carlene P.C. Pilar-Arceo has submitted an application for conference support.

Application data

Contact 1:

Last name: Pilar-Arceo
First name: Carlene P..C.
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Institution: University
Department: Institute of Mathematics
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City: Quezon City
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C.P. Garcia Ave, UP Campus, Diliman

Contact 2:

Last name: Baskoro
First name: Edy Tri
Mail: ebaskoro@math.itb.ac.id
Phone: 62-22-250-2545 ext 234
Fax: 62-22-250-6450
Institution: Institut Teknologi Bandung
Department: Faculty of Mathematics and Natural Sciences
Country: Indonesia
State:
City: Bandung
Postal code: 40132

Full mailing address:
Jalan Ganesa 10

Conference name: International Conference on Science and Mathematics Education in Developing Countries (with Pre-Conference Workshop)
Duration: 2015-12-02 - 2015-12-06
Amount of support requested: 3,500EUR
Description:
The 8th International Conference on Science and Mathematics Education in Developing Countries (ICSMEDC 2015), will be held on 04-06 December 2015, at the University of Yangon, Yangon, Republic of the Union of Myanmar. Organized jointly by the Myanmar Mathematical Society and the Southeast Asian Mathematical Society (SEAMS), ICSMEDC 2015 is the 8th of a series of conferences aimed at promoting mathematics and mathematics education in the Southeast Asian region, with particular focus on Myanmar, Cambodia and Laos.

ICSMEDC 2015 will feature plenary and invited talks, short contributed paper presentations and poster presentations on all areas of pure and applied mathematics and mathematics education. It will also feature a pre-conference workshop for mathematics teachers on pedagogy and classroom best practices.

This conference builds on the success of the 6th and 7th Conferences (held in Mandalay), each of which drew over 400 participants, including foreign mathematicians from 18 countries. It fits well with continuing efforts to build and strengthen scientific relations in the region. The first five conferences were held in Phnom Penh, Cambodia.

Despite the name, which organizers have decided to retain, the conference has evolved from the original idea of a gathering of science and mathematics researchers and educators into a conference with more focus on research mathematics, in order to promote and strengthen research and graduate school mathematics training in the region. The conference will undoubtedly promote the advancement of mathematics and facilitate exchange and collaboration between mathematicians in Myanmar, Cambodia and Laos and other countries in the Southeast Asian region and the international mathematical community.

One exceedingly noteworthy outcome of the 6th Conference was the launching on November 2013 of the Mathematical Society of Myanmar (MSM), which was admitted formally the next month as a member of SEAMS. Within two months of its founding, the MSM had over 900 members.

At the 7th Conference, two activities were held for the first time: a public lecture and a 2-day pre-conference workshop. The public lecture, entitled Mathematics is Everywhere, was held at the end of the second conference day. This year's conference will also feature a public lecture.

The 2014 pre-conference workshop was hosted by Yadanarbon University, also in Mandalay. Eight lecturers from the United States, India, Thailand and the Philippines facilitated half-day workshops for three separate groups: undergraduate mathematics majors, graduate mathematics students and faculty, and basic mathematics educators. It drew around 100 participants and the positive feedback has

spurred the organizers to also hold a pre-conference workshop this year. Lecturers from at least 5 countries have already committed to being this year's facilitators.

Tentative Program

Workshop Day 1 – 02 December 2015 Workshop Day 2 – 03 December 2015
8:30-9:00 Registration 9:00-12:00 Session 3
9:00-12:00 Session 1 12:00-1:00 LUNCH
12:00-1:00 LUNCH 1:00-4:00 Session 4
1:00-4:00 Session 2 4:00-4:30 Awarding of Certificates
• Cert of Participation: Participants
• Cert of Appreciation:
Speakers

Conference Day 1 – 04 December 2015
7:00-8:00 Registration
8:00-8:40 Opening Ceremony/Conference Photograph
8:40-9:30 Keynote Address
9:30-10:00 TEA
10:00-11:00 Invited Speakers (Parallel Sessions)
11:00-12:00 Contributed Papers (Parallel Sessions)
12:00-13:00 LUNCH
13:00-13:50 Plenary Speaker
14:00-15:00 Invited Speakers (Parallel Sessions)
15:00-15:30 TEA
15:30-16:20 Plenary Speaker
16:30-17:00 Invited Speakers (Parallel Sessions)

Conference Day 2 – 05 December 2015
8:00-8:50 Plenary Speaker
9:00-9:30 Invited Speakers (Parallel Sessions)
9:30-10:00 TEA
10:00-11:00 Invited Speakers (Parallel Sessions)
11:00-12:00 Contributed Papers (Parallel Sessions)
12:00-13:00 LUNCH
13:00-13:50 Plenary Speaker
14:00-15:00 Invited Speakers (Parallel Sessions)
15:00-15:30 TEA
15:30-16:30 Invited Speakers (Parallel Sessions)

16:40-17:30 Public Lecture

Conference Day 3 – 06 December 2015
8:00-8:50 Plenary Speaker
9:00-9:30 Invited Speakers (Parallel Sessions)
9:30-10:00 TEA
10:00-11:00 Invited Speakers (Parallel Sessions)
11:00-12:00 Contributed Papers (Parallel Sessions)
12:00-13:00 LUNCH
13:00-13:45 Plenary Speaker
14:00-15:00 Panel Discussion
15:00-15:30 TEA
15:30-16:30 Closing Ceremony

Honorary Conference Chairmen
Prof. Dr. Thein Myint
President, Myanmar Academy of Arts and Science Executive Committee

Prof. Fidel Nemenzo
Vice Chancellor for Research and Development, University of the Philippines
President, South East Asian Mathematical Society (SEAMS), 2010-2011

International Program Committee

Prof. Carlene P. C. Pilar-Arceo (Co-Chair)
Professor, Institute of Mathematics, University of the Philippines

Prof. Padmanabhan Seshaiyer (Co-Chair)
Professor, Department of Mathematical Sciences, George Mason University, USA

Dr. Chan Roath (Past Co-Chair)
Director, Cambodian Department of Scientific Research, Ministry of Education, Youth and Sports
President, Cambodian Mathematical Society

Dr. Graeme Fairweather (Past Co-Chair)
Executive Editor Emeritus, Mathematical Reviews, American Mathematical Society

Prof. Dato' Rosihan M. Ali
Professor, School of Mathematical Sciences, Universiti Sains Malaysia
Editor-in-Chief, Bulletin of the Malaysian Mathematical Sciences Society

President, South East Asian Mathematical Society (SEAMS), 2008-2009

Prof. Edy Tri Baskoro
Professor, Department of Mathematics, Institut Teknologi Bandung, Indonesia
President, South East Asian Mathematical Society (SEAMS), 2014-2015

Dr. Wanida Hemakul
Associate Professor (Ret.), Department of Mathematics and Computer Science, Faculty of Science,
Chulalongkorn University, Bangkok, Thailand
President, South East Asian Mathematical Society (SEAMS), 2006-2007

Prof. Dohan Kim
Professor, Department of Mathematics, Seoul National University, Korea
Chair, Advisory Committee for Seoul ICM 2014
Chair, Organizing Committee for AMC 2013

Ms. Pauline A.T.M. Mangulabnan
Graduate School of Education, University of Fukui, Japan

Prof. Dr. Mya Oo
Director General (Ret.), Department of Higher Education, Upper Myanmar

Prof. Seam Ngonn
Professor, Department of Mathematics, Royal University of Phnom Penh, Cambodia

Dr. Sackmone Sirisack
Department of Mathematics, National University of Laos, Laos

Dr. Toh Tin Lam
National Institute of Education, Singapore
President, Association of Mathematics Educators (AME), Singapore

Prof. Joe Yanik
Professor & Chair, Department of Mathematics, Computer Science and Economics,
Emporia State University, USA

Prof. Michel Waldschmidt
Emeritus Professor, Universite Paris VI, France
Chair, Committee for Developing Countries (CDC), European Mathematical Society, 2013-2015

Dr. Michael Winckler
Administrative Director, Heidelberg Graduate School of Mathematical and

Computational Methods for the Sciences, Heidelberg University, Germany

Plenary Speakers (5) Keynote Address (1)

Dr. Aung Thu (Myanmar) Prof. Fidel Nemenzo (Philippines)

Prof. Jin Akiyama (Japan)

Prof. Toh Tin Lam (Singapore) Public Lecture (1)

Prof. Polly W. Sy (Philippines)

Prof. Michel Waldschmidt (France) Prof. Padmanabhan Seshaiyer (USA)

Invited Speakers (22)

Prof. Dato' Rosihan M. Ali (Malaysia) Prof. Carlene P.C. Pilar-Arceo (Philippines)

Dr. Khin Myo Aye (Myanmar) Dr. Ruth J. Skulkhu (Thailand)

Prof. Edy Tri Baskoro (Indonesia) Ms. Amphone Sengsayang (Laos)

Dr. Wanida Hemakul (Thailand) Prof. Kar-Ping Shum (China)

Prof. Michel Jambu (France) Dr. Sackmone Sirisack (Laos)

Dr. Morrakot Khebchareon (Thailand) Prof. Tuan Hoa Le (Vietnam)

Prof. Dohan Kim (South Korea) Prof. Wei Wei (China)

Ms. Pauline A.T.M. Mangulabnan (Japan) Dr. Michael J. Winckler (Germany)

Prof. Kannan Moudgalya (India) Prof. Elizabeth Yanik (USA)

Prof. Seam Ngonn (Cambodia) Prof. Joe Yanik (USA)

Prof. Francesco Pappalardi (Italy) Prof. Guo Yuqi (China)

Workshop Speakers (10)

Dr. Wanida Hemakul (Thailand) Prof. Graeme Fairweather (USA)

Prof. Dato' Rosihan M. Ali (Malaysia) Prof. Elizabeth Yanik (USA)

Prof. Joe Yanik (USA) Prof. Carlene P.C. Pilar-Arceo (Philippines)

Prof. Prof. Padmanabhan Seshaiyer (USA) Ms. Pauline A.T.M. Mangulabnan (Japan)

Prof. Amiya Pani (India) Prof. Fidel Nemenzo (Philippines)

Local Program Committee (Myanmar)

Prof. Dr. Win Kyi (Chair)

Professor & Head, Department of Mathematics, University of Yangon

Prof. Dr. Kay Thi Tin

Professor, Department of Mathematics, University of Yangon

Dr. Myint Swe

Rector (Ret.), University of Myeik

Dr. Nyunt Swe
Pro-Rector, University of Distance Education, Mandalay
Dr. Khin Aye Aye
Pro-Rector, Yangon University of Distance Education
Prof. Dr. Zaw Win
Professor (Ret.), Department of Mathematics, University of Yangon
Prof. Dr. Thet Khine
Professor & Head, Department of Mathematics, University of Mandalay
Dr.. Saw Win Maung
Part-time Lecturer, Department of Mathematics, University of Mandalay
Prof. Dr. Hla Hla Win
Professor, Department of Mathematics, Yangon University of Education
Prof. Dr. Yee Mar
Professor & Head, Department of Mathematics, East Yangon University

Letter of request:
01 September 2015

Commission for Developing Countries
International Mathematical Union

Dear CDC Members,

We are happy to relay that we are organizing the 8th International Conference on Science and Mathematics Education in Developing Countries. It will be held in Yangon University, Yangon, The Republic of the Union of Myanmar, on 4-6 December 2015. It is the 8th in a series of conferences that aims to promote mathematics and mathematics education in the Southeast Asian region, with particular focus on Myanmar, Cambodia and Laos. The first five conferences were held in Phnom Penh, Cambodia, while the 6th and 7th were held in Mandalay, Myanmar.

The conferences have consistently drawn large audiences. The last two held in Mandalay each attracted over 400 participants, including foreign mathematicians from 18 foreign countries. We anticipate the same, if not larger, attendance this year.

We have also added activities that will complement the conference proper: a popular lecture and a pre-conference workshop. The popular lecture is open to the public and is aimed at increasing their awareness and appreciation of mathematics. The workshop is held for two days and is composed of twelve half-day interactive sessions with local mathematics students, researchers and educators. Both were held for the first time last year and yielded very positive feedback, hence its repetition this year.

In this connection, we request for your financial assistance in the amount of Ten Thousand (3,500) Euros. This will primarily finance the pre-conference workshop: meals, registration and transportation of

the participants, accommodation of facilitators, airfare of facilitators from neighboring developing countries; as well as transportation and registration expenses of local participants of the conference.

We hope for your favorable action on our request. Thank you.

Very truly yours,

Carlene P.C. Pilar-Arceo
Co-Chair, Organizing Committee, ICSMEDC 2015
Professor, University of the Philippines Diliman

Edy Tri Baskoro
Co-Chair, Organizing Committee, ICSMEDC 2015
Professor, Institut Teknologi Bandung
President, SEAMS 2014-2015

Budget:

List of supporting organizations:
• This conference is supported by the Myanmar Ministry of Education, the Myanmar Mathematical Society, and the University of Yangon.

• Registration fees are as follows:

Conference Participant (international) 200,000MMK(200USD)
Conference Participant (local) 20,000MMK (20USD)
Workshop Participant (local) 8,000MMK (8USD)

Number of participants ...:
At least 450 expected conference participants
At least 100 expected workshop participants
At least 31 workshop & conference speakers (2 local, 29 international) from 17 countries

Conference Participants 450
Local transport (bus)
Conference package
Conference Speakers 2 (loc), 27 (intl)

Local transport (bus)
Hotel accommodations
Conference package
Workshop Participants 100
Local transport (bus)
Workshop kit
Workshop Speakers 10 (all intl)
International transport (air) (for 5 only)
Local transport (bus)
Hotel accommodations
Workshop kit

Total conference budget (in EUR): 56,000 EUR

Amount requested from the CDC (in EUR): 3,500 EUR

Statement on the intended use of this amount:
The requested amount will primarily finance the workshop: meals, registration & transportation of the participants, accommodation of facilitators, airfare of facilitators from neighboring developing countries; as well as transportation and registration expenses of local participants of the conference.

Received IMU Support:
As an individual, I have not yet received any IMU support.

My institution, the UP Institute of Mathematics, however, had received assistance for the CIMPA School on Partial Differential Equations: Analysis, Numerics and Applications to Floods and Tsunamis, which we hosted in June 2014.

Also, one of my colleagues, Dr. Fidel Nemenzo, has been teaching at the Masters in Mathematics Program of the Royal University of Phnom Penh under the Volunteer Lecturer Program of IMU.

Knowledge of program:
I heard about this grant program from Dr. Fidel Nemenzo.

CV organizer 1: http://www.mathunion.org/fileadmin/CDC/cdc-uploads/CVgrantsConference/185-CV_Arceo.pdf

CV organizer 2: http://www.mathunion.org/fileadmin/CDC/cdc-uploads/CVgrantsConference/185-CV_Baskoro.pdf

Budget proposal for preparation
The 8th International Conference on
Science and Mathematics Education in Developing Countries

4-6 December 2015, University of Yangon, Yangon, Myanmar

No.	Items/purpose	Unit Cost	Amount	Remark	WORKSHOP		in USD
01	**Conference Location Convocation Hall**	$300 x 3days	$ 900				
	The conference materials: - Conference Packages - Conference Backdrop - Banner Streets - Public Relation, Information and Network	$8 x 450p $100 x 1 $50 x 10 -	$3,600 $100 $500 $500		Registration fee Information, etc	8 x 100pax	800 200
	Sub Total		**$5,600**	MSM, MOE			**1000**
02	**Facilitators**						
	Facilitators Speaker's Souvenirs Participants' Kits	$ 20 × 10p × 3days $ 50 x 10p $ 4 x 450p	$600 $500 $1,800	MSM, MOE	Facilitators Speakers' souvenirs	20 x 6pax x 2days 50 x 10pax	240 500
	Sub Total		**$2,900**				**740**
03	**Working Group for Preparing the Conference**: *5 persons*	$ 20 × 5p × 10days	**$1,000**				
04	Translation Document	$10 x 50pages	$500				
	Ear Phone	$3 x 100 x 3days	$900				
	Simultaneous Translation	$200 x 2p x 3days	$1,200				
	Mass Media, TV, Radio and Newspaper on Opening and Closing Ceremony	$20 x 15p x 2times	$600				
	Sub Total		**$3,200**	MSM, SEAMS			
05	Transportation: - in country transports - in Mandalay Accommodation: Foreigners: 30 persons	$15 x 100ps $150 x 2Bus x 3days $100 x 30p x 5days	$1,500 $900 $15,000	MSM	Local transportation Bus service (Yangon)	15 x 100pax 150 x 2bus x 2days	1500 600

	Sub Total		$17,400.00				**2100**

06	***Welcome dinner** :
	    at Restaurant: 450 guests
	    National Performance
		$10 x 450p
		5 Dances
			$4,500
			$500
				MOE
				MOE
							1740

07	2 Tea breaks and 1 lunch per day (3 days)	$10 x 450p x 3days	**$13,500**				
08	Dinner and Farewell Dinner: for Foreigners and Organizers	$20 x 50p x 2 times	**$2000**	MSM, MOE			
09	Other uncounted		**$1,000**				
Grand Total (*US Dollars Fifty One Thousands and Six Hundred Only*)			<u>**USD 51,600**</u>				**3840**

approx. **45,500euros** Date: August 7, 2015   approx. **3,500euros**

CARLENE P.C. PILAR-ARCEO
Institute of Mathematics
College of Science
University of the Philippines, Diliman
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Education	*Ph.D. Mathematics*, May 2001 University of the Philippines, Diliman
	MS Applied Mathematics (Operations Research), October 1991 University of the Philippines, Diliman
	BS Mathematics, April 1988 University of the Philippines, Diliman
Employment	Institute of Mathematics, U.P. Diliman *Instructor*, June 1988 *Assistant Professor,* November 1992 *Associate Professor*, July 2005 *Professor,* January 2014
Authored Texts	NUMLOCK I-IV: A High School Mathematics Textbook Series (*with Bautista, Namay, et al.)* Trinitas Publications, Quezon City 1993
	NUMBERWORKS: An Elementary Mathematics Textbook Series (*with Bautista, Namay, et al.)* Trinitas Publications, Quezon City 1995\
Selected Publications	*Parabolic Equations with Singularity on the Boundary (with Escaner, Otani and Sy)* Microlocal Analysis and Complex Fourier Analysis, World Scientific, 2002 (23-35), edited by Kowai and Fujita

Blowing Up of Radially Symmetric Solutions to the Parabolic Equation
$$u_t = \Delta_p u + (\ Iu\ I^{p-2}u\ ) / (\ 1 - \ I\ x\ I\ )^\alpha \ \textit{(with Otani and Sy)}$$
Proceedings: 4th Sino-Philippine Symposium on Analysis,
Fu Jen University, Taipei, Taiwan, March 2002

On the Radiality Assumption for Existence and Blowing Up
(with Otani and Sy)
Proceedings: 5th Sino-Philippines Symposium on Mathematics,
Phinma Training Center, Cavite, October 2003

On the Unique Solvability of a Volevic System of Singular PDEs
(with Escaner and Lope)
Zeitshrift fur Analysis und ihre Anwendungen Vol. 24 (2005), #2, 317-326

Parabolic equations with singularity on the boundary
(with Escaner, Otani and Sy)
Advances in Mathematical Sciences and Applications Vol. 18 (2008), 29-42

Numerical Solution of de St. Venant Equations with Controlled Global Boundaries
*   Between Unsteady Subcritical States (with Mendoza and Valdez)*
Proceedings: International MultiConference of Engineers and Computer Scientists 2011
(16-18 March 2011, Hong Kong), IMECS 2011 Vol. II (874-878)

Global Boundary Controllability of de St. Venant Equations Between Unsteady
*   Supercritical States (with Mendoza and Valdez)*
Proceedings: 3rd International Conference on Computer Modeling and Simulation,
(07-09 January 2011, Mumbai, India), ICCMS Vol. 2 (459-463), edited by Tomar and
        Mahadevan

Computational Model of Dopamine Production and Transmission (with Lubenia)

MATIMYAS MATEMATIKA Vol.34 Nos.1-2, October 2011

Semi-global Boundary Controllability of the St. Venant Equations between Unsteady States (with Mendoza and Valdez)
MATIMYAS MATEMATIKA Vol.34 Nos.1-2, October 2011

AVM Compartments: Do they modulate transnidal pressures? An electrical network analysis (with Litao and Legaspi)
Asian Journal of Neurosurgery Vol.7 Issue 4 Oct-Dec 2012 (174-180)

The Evolution of Graduate Applied Math Courses in the Institute of Mathematics, University of the Philippines (with Escaner)
Educational Interfaces between Mathematics and Industry, Springer, 2013 (247-252), edited by Damlamian, Rodrigues and Strasser

Selected Presentations

On the First Eigenvalue and Global Existence of Solutions to a Parabolic Equation with Singularity
International Congress of Mathematicians 2002,
Beijing, China, August 2002

Existence and Uniqueness of the Solution to a Volevic System of Linear Equations with General Singularity
Asian Mathematics Conference (AMC) 2005,
National University of Singapore, July 2005

Joining the Interdisciplinary Bandwagon: Using Math to Answer Research Questions
(Invited Speaker)
14th Philippine Neurological Association (PNA) Midyear Convention
Nasugbu, Batangas, June 2008

Generalized Treatment of Solutions to a Nonlinear Parabolic Equation
(Invited Speaker)
8th Sino-Philippine Symposium in Analysis
Tunghai University, Taichung, Taiwan, October 2009

Joining the Interdisciplinary Bandwagon: Using Mathematics to Answer Medical Research Questions
(Invited Speaker) University of Medicine and Pharmacy
Ho Chi Minh City, Vietnam, March 2010

The Moving-Target Traveling Salesman Problem
37th Mathematical Society of the Philippines (MSP) National Convention,
Montebello Hotel, Cebu City, May 2010

Ant Colony Optimization
(Invited Speaker)
MSP – NCR Chapter First Lecture Series
Centro Escolar University, Manila, July 2010

The Comparison Principle in Generalizing the Solvability of a Nonlinear Parabolic Equation
International Congress of Mathematicians 2010
Hyderabad, India, August 2010

On the Extremal Spheres Theorem
38th Mathematical Society of the Philippines (MSP) National Convention,
University of Santo Tomas, Manila, May 2011

Boundary Controllability of the St. Venant Equations Between Unsteady States
6th SEAMS-GMU International Conference on Mathematics and Its Applications
Yogyakarta, Indonesia, July 2011

Challenges of Teaching Mathematics Today: Popularizing Mathematics as Advocacy
(Invited Speaker)
In-Service Training Series, Department of Mathematics & Natural
Sciences, CAS, University of the East – Caloocan, September 2011

"Baha, Baha, Paano Ka Bababa?" – A Flash Look at Flood Equations
(Invited Speaker)
MSP-NCR 2012 Lecture Series
San Sebastian University, March 2012

Looking Back to Look Forward: Undergraduate Perceptions and the Subsequent
Challenge to Math Educators
12th International Congress on Mathematical Education
Seoul, South Korea, July 2012

Humanizing the Teaching of Mathematics: Myth or Reality?
(Invited Speaker) 1st CAMANAVA Studies Conference
University of the East, Caloocan City, February 2013

"Ang Panliligaw ni Matematika"
(Invited Speaker) PAGTUDLO: A Conference-Workshop on the K-12 Language Arts,
Mathematics and Araling Panlipunan Curriculum
Grand Ficus Plaza, Kidapawan City, February 2013

"Ang Pagdadalaga ni Probabilidad" – History & Development of Probability Theory
(Invited Speaker)
MSP-NCR 2013 Lecture Series
San Sebastian University, March 2013

Construction and Structural Stability Analysis of Models of Dopamine Synthesis and
D1-Receptor Trafficking in Renal Proximal Tubule Cells
Frontiers in Systems and Synthetic Biology 2013
Georgia Institute of Technology, Atlanta, USA, March 2013

One Small Step for Man, One Giant Step for Math – The Inclusion of History in the
Teaching of Mathematics
(Plenary Speaker)
MTAP-Tertiary Level National Convention, Pili, Camarines Sur, August 2013

LOOK BACK, MOVE FORWARD: The Inclusion of History in Teaching of Mathematics
(Invited Speaker) and
A Mathematical Model of Dopamine Synthesis in the Kidney
(Parallel Speaker)
6th International Conference on Mathematics and Science Education in Developing
Countries, University of Mandalay, Mandalay, Myanmar, November 2013

A Mathematical Model for Dopamine Synthesis in the Kidney
(Invited Speaker)
10th Taiwan-Philippine Symposium in Analysis
Garden Villa Hotel, Kaohsiung, Taiwan, March-April 2014

Ang Panliligaw ni Matematika
(Invited Speaker/Workshop Facilitator)
Summer Upgrading Program for College Teachers of Mathematics
Central Philippine University, Jaro, Iloilo, May 2014

Trending Now: Mathematical Modeling
(Plenary Speaker)
2014 MSP Annual Convention, Iloilo City, May 2014

May Algoritmo ang Alitaptap? – An Introduction to Nature-Inspired Algorithms
(Invited Speaker)
MSP-NCR 2013 Lecture Series
San Sebastian University, July 2014

Learning Math $<->$ *Learning Culture*
(Plenary Speaker)
MTAP-Tertiary Level National Convention, Manila, August 2014

Population Dynamics
(Workshop Facilitator)

Workshop for Undergraduates, 7th International Conference on Mathematics and Science Education in Developing Countries, University of Mandalay, Mandalay, Myanmar, November 2014

(The Role of) Culture in Teaching Mathematics
(Workshop Facilitator)
Workshop for Teachers, 7th International Conference on Mathematics and Science Education in Developing Countries, Mandalay, Myanmar, November 2014

Nature-Inspired Mathematics: Watch & Learn!
(Invited Speaker)
7th International Conference on Mathematics and Science Education in Developing Countries, University of Mandalay, Mandalay, Myanmar, November 2014

From Nature to Mathematics: Watch & Learn!
(Plenary Speaker)
Mathematical Society of the Philippines – Cebu Chapter, December 2014

Awards & Grants Received

OUTSTANDING JUNIOR FACULTY (Instructor), Chancellor's Awards, UP Diliman, 1993
DOST-PCASTRD Scholarship Grant, 1996-1997, 1999-2001
Japan Ministry of Education (Monbusho) Research Scholarship Grant, Waseda University, Tokyo, Japan 1997-1999
UP Diliman Mathematics Foundation Regular Faculty Grant, 2001
Diamond Jubilee Faculty Grant, 2002-2005
National Science Research Institute Research Grant, 2003-2006
OUTSTANDING FACULTY (Assistant Professor), Chancellor's Awards, UP Diliman, 2004
Diliman Science Research Foundation Professorial Chair, 2006
MacArthur and Josefina delos Reyes Professorial Chair in Mathematics, 2009
UPD Centennial Faculty Grant, January–December 2010
UPD Centennial Faculty Grant, January–December 2013
Creative and Research Scholarship Fund Grant, Office of the Vice President for Academic Affairs, UP System, October 2012-October 2013

Appointments/Other Involvements

Member, Board of Directors, U.P. Diliman Mathematics Foundation, 2002-present
Assistant Secretary of the University and of the Board of Regents, University of the Philippines System, February 2007-January 2011
Member, National Technical & Selection Committee on Scholarships, Department of Science and Technology – Science Education Institute (DOST-SEI), March 2007-2011
Lecturer, SEAMS School on Applications of Analysis and Algebra, April 2011
Assessor, Math Technical Panel, Commission on Higher Education, 2012-2013
Critic-Evaluator, Teaching Effectiveness Course, ODI, UPD, May 2013 – July 2014
Consultant, Center for Educational Measurement, June-July 2013
Co-Chair, Organizing Committee, Diliman Mathematics Research Workshop – A Workshop in Celebration of the 60th Birthday of Dr. Polly Wee Sy, UP Diliman, October 2013
Member, Search Committee for IC Directorship, June 2014
Member, Advisory Board, Office of Initiatives in Culture and Art, UP System, July 2014 – June 2015
Member, Search Committee for NISMED Directorship, April-May 2015
Co-Chair, 8th International Conference on Mathematics and Science Education in Developing Countries (to be held in Yangon, Myanmar, November 2015)
□

Professor EDY TRI BASKORO

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Faculty of Mathematics and Natural Sciences,
Institut Teknologi Bandung,
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CURRICULUM VITAE

Name   : Edy Tri Baskoro
Nationality   : Indonesian
Date of Birth   : 22 May 1964
Place of Birth   : Jombang, East Java, Indonesia
Home Address   : Jalan Pasirlayung Utara V, No. 9 Bandung
Current Position : Professor
Conjoint Professor : School of Electrical Engineering and Computer Science
                     University of Newcastle, Australia, and
                     The Abdus Salam School of Mathematical Sciences,
                     GC University, Lahore Pakistan.

Educations
1. Ph.D, University of Newcastle Australia, 1996
2. Master, University of New England (UNE) Australia, 1991
3. Sarjana, ITB Indonesia, 1987

Theses / Disertations
1. Optimal Interconnection Networks, **PhD disertation**, Department of Computer Science, the University of Newcastle Australia, 1996
2. Optimal Directed Graphs, **Thesis Master (S2)**, Department of Math., Stat. and Comp. Sci., UNE Australia, 1991
3. *Computer Aided Learning (CAL)* in Mathematics, **Thesis S1**, 1987

Awards
1. Ganesa Cendekia Widya Adiutama, ITB, 2014.
2. Satyalancana Karya Satya (20 tahun pengabdian), President of Indonesia, 2013.
3. Extraordinary Intellectual Quality, Ministry of National Education 2010
4. Habibie Awards in Basic Science Research, 2009.
5. Australian Alumni Award for Excellence in Education, 2009
6. The Best Professor from Directorate of Higher Education Ministry, Department of National Education, Indonesia, 2008.
7. Satyalancana Karya Satya, President of Indonesia, 2006.
8. Ganesa Wira Adiutama, ITB, 2001.

Research Grants

1. Characterizing and finding all graphs with certain dimensions, International Research Collaboration and Scientific Publication, DIKTI, 2013.
2. Partisi Pembeda untuk Graf Hasil Subdivisi, Program Riset dan Inovasi KK, ITB, 2013.
3. Characterisation of trees based on their locating-chromatic numbers, Riset Desentralisasi, Directorate General of Higher Education, Ministry of Education and Culture, 2012.
4. Locating chromatic numbers for corona products, *Program Riset dan Inovasi KK*, Institut Teknologi Bandung, Directorate General of Higher Education, Ministry of Education and Culture, 2011.
5. Partition dimension for graph Corona graphs, *Hibah Pascasarjana*, Directorate General of Higher Education, Ministry of Education and Culture, 2011-2012.
6. Finding the locating-chromatic numbers for trees and their corona products, *Riset Program Doktor Unggulan IMHERE-ITB*, Directorate General of Higher Education, Ministry of Education and Culture, 2011-2012.
7. On the locating-chromatic numbers for Halin graphs, *Riset Program Doktor Unggulan IMHERE-ITB*, Directorate General of Higher Education, Ministry of Education and Culture, 2010-2012.
8. On the Ramsey numbers for union of graphs and finding certain minimal-Ramsey graphs, *Program Penguatan Riset Institusi*, Institut Teknologi Bandung, 2010.
9. Determination of size Ramsey numbers for paths versus cycles, **Hibah Kompetensi**, Direktorat Jenderal of Higher Education Indonesia, 2008-2010 (3 years).
10. Ramsey numbers for union of graphs, **International Research Grant ITB**, 2007 & 2008.
11. The application of Critical sets of caterpillar graph on secret sharing scheme (*Himpunan Kritis pada Graf Caterpillar untuk Penyusunan Skema Pembagian Rahasia*), **Hibah Pekerti** (with Chairul Imron, ITS), 2006.
12. Multi-steps network designing system (*Pengembangan Sistem Pendesain Jaringan Multi Tahap*), **Hibah Pekerti** (with Wamiliana, Universitas Negeri Lampung), 2005-2006.
13. Ramsey Numbers, **TWAS Research grant**, Trieste **ITALIA**, 2006.
14. Graph Labelings, **Hibah Pekerti** (with I Wayan Sudarsana, Universitas Tadulako), 2004-2005.
15. Secret Sharing Scheme based on Graph Labelings, **Hibah Bersaing XII**, 2004-2005.
16. Large directed networks, **TWAS Research grant**, Trieste **ITALIA**, 2000.
17. Graph Coloring, **Project Grant QUE**, 1999.
18. Algebraic methods for construction of large digraphs, **Young Academic Program** (**URGE**), Feb 1997 – Jan 1999
19. On the existence of regular digraph of degree 3 with maximum order, **SPP/OPF ITB**, 1996 – 1997.

Members of professional organisations

1. President, South East Asia Mathematical Society (SEAMS), January 2014-Now.
2. Chair, Board of National Standard for Education, Indonesia, August 2013- Now.
3. Vice President, South East Asia Mathematical Society (SEAMS), 2010-2013.

4. Scientific Committee of Centre International de Mathematiques Pures et Appliquees (CIMPA), 2009 – Now.
5. Member, Society for Industrial and Applied Mathematics (SIAM), 2011-Now.
6. President, Indonesian Combinatorial Mathematics Society (InaCombS), 2006 – 2013.
7. President, Indonesian Mathematical Society (IndoMS), 2006- 2008.
8. Vice President, Indonesian Mathematical Society (IndoMS), 2002 – 2006.
9. Executive Secretary, MIPANET – *Jaringan Lembaga MIPA se Indonesia*, 2002-2004.
10. Member, Board of National Standard for Education, Indonesia, 2005- Now.
11. Member, Institute of Combinatorics and its Applications*,* 1996 – Now.

Editors of the Proceedings
1. **E.T. Baskoro**, D. Suprijanto, The 5th International Conference on Research and Education in Mathematics (ICREM5), American Institute of Physics (AIP) Proceedings, April 2012.
2. **E.T. Baskoro**, Proc. International Conference on Mathematics and Natural Sciences, October 2008 ITB Indonesia, published in the Journal of Combinatorial Mathematics and Combinatorial Computing, Volume 71 (2009).
3. **E.T. Baskoro**, M. Miller, Proc. International Conference on Graph Theory and Information Technology, February 10-13 2007 ITB Indonesia, published in the Journal of Combinatorial Mathematics and Combinatorial Computing, Volume 65 (2008).
4. J. Akiyama, **E.T. Baskoro**, M. Kano, Combinatorial Geometry and Graph Theory, Lecture Notes on Computer Science LNCS 3330, Springer 2005.
5. **E.T. Baskoro**, M. Miller, Proc. International Workshop on Graph Labelling (IWOGL) Dec 6-9, 2004 Batu Indonesia, published in the Journal of Combinatorial Mathematics and Combinatorial Computing, Volume 55 (2005).

Fellowships
1. Travel Grant, Directorate General of Higher Education Indonesia, to attend the 33rd *Australasian Conference on Combinatorial Mathematics and Combinatorial Computing (33ACCMCC)*, December 7-11, 2009, Newcastle, Australia.
2. Travel Grant, UNESCO Jakarta, to attend Workshop on Cycles and Colorings, High Tatras, Slovakia, September 5-10, 2004.
3. Travel Grant, UNESCO Jakarta, to attend the Australasian Workshop on Combinatorial Algorithms (AWOCA), Queensland, Australia, July 7-10, 2002.
4. Visiting fellowship, Department of Computer Science and Software Engineering, University of Newcastle, Australia, June 1 - 15, 1997.
5. Visiting fellowship, Department of Numerical and Optimization Methods, Comenius University, Slovak Republic, January 4 - 18, 1995.
6. EMSS scholarship for Ph.D study at the Department of Computer Science, Uni. of Newcastle Australia, 1992 – 1996.
7. AIDAB scholarship for Master Study at UNE Australia, 1989 – 1991.
8. Visiting Fellowship, Department of Mathematics, UWA Australia, November 1989 - February 1990

Keynote and Invited Talks

1. On Graph Ramsey Ramsey, International Joint Research Week on Non-Commutative Stochastic Systems: Analysis, Modelling and Applications, GSIS Tohoku University, Sendai, Japan, February 3-7, 2014.
2. Trees with locating-chromatic number 3, ICMREA-UEL 2013, Ho Chi Minh City, Vietnam, December 21-23, 2013.
3. Some progress on Ramsey (G,H)-minimal graphs, The 6th World Conference on 21st Century Mathematics 2013, March 6-9, 2013, Abdus Salam School of Mathematical Sciences, GC University Lahore Pakistan.
4. Trees with small locating-chromatic number or partition dimension, ICMA-MU 2013, 19-21 January 2013, Bangkok Thailand.
5. On the locating-chromatic number of a corona product of two graphs, ICTP-IPM Workshop and Conference on Combinatorics and Graph Theory, Trieste Italia, 3-14 September 2012.
6. Conjectures on the total vertex-irregularity strength of graphs, International Workshop on Graph labelling, Puncak Indonesia, 23-25 July 2012.
7. On the locating-chromatic number for a corona product of two graphs, SIAM Conference on Discrete Mathematics Dalhousie University, Halifax, Nova Scotia, Canada, 18-21 June 2012.
8. On the existence of (d,k)-digraphs, Seminar, 15 May 2012, Graduate School of Information Sciences, Tohoku University, Japan.
9. Ramsey Minimal Graphs, *Workshop on Graph Theory*, 22-24 December 2011, ASSMS GC University, Lahore Pakistan.
10. The locating-chromatic number for the corona product of graphs, *International Conference in Mathematics and Applications (ICMA-MU 2011)*, 17-19 December 2011, Bangkok Thailand.
11. On The Existence of Almost Moore Digraphs, *Department of Mathematics Seminar*, University of the Basque Country, Bilbao Spain, 25 November 2011.
12. Necessary conditions for (d,k)-digraphs, *International Workshop on Optimal Networks Topologies (IWONT2011)*, Brussels Belgium, 11-15 July 2011.
13. Ramsey Theory, Mathematics Seminar Series, 30 May 2011, ITB Bandung Indonesia.
14. On Ramsey (2K2,Pn)-minimal graphs, *International Congress of Mathematicians*, 19-27 August 2010, Hyderabad India.
15. The existence of almost Moore digraphs with higher degree and diameter, *International Workshop on Optimal Networks Topologies IWONT2010*, Barcelona Spain, 9-12 June 2010.
16. On The Existence of Almost Moore Digraphs, *the 33rd Australasian Conference on Combinatorial Mathematics and Combinatorial Computing (33ACCMCC)*, December 7-11, 2009, Newcastle, Australia.
17. On the Existence of Almost Moore (Di)graphs, *the 4th International Conference on Research and Education in Mathematics (ICREM 4)*, Kuala Lumpur, Malaysia, October 21 - 23, 2009.

18. On (Super) Edge-Magic Deficiency of Graphs, *IndoMS International Conference on Mathematics and its application (IICMA2009)*, UGM Yogyakarta, October 12 – 13, 2009.
19. Some progress on Ramsey numbers and Ramsey-minimal graphs, *Asian Mathematical Conference*, June 22-26, 2009 Kuala Lumpur Malaysia.
20. On some Ramsey-minimal graphs, *the 4th World Conference on the 21st Century Mathematics*, March 4-8, 2009 Lahore Pakistan.
21. Some Graph Ramsey Numbers and Ramsey-Minimal Graphs, *the 3rd International Conference on Mathematics and Statistics (ICoMS-3)*, IPB Bogor, Indonesia, 5-6 August (2008), S2C-IS.
22. Ramsey numbers, edge-magic total labelings and secret sharing schemes, *International Joint Symposium on Computational Science*, Kanazawa University, Japan, 3-7 March (2008).
23. Graph Ramsey Numbers: old problem and new results, National University of Computer and Emerging Sciences, Lahore Pakistan, January 3, (2008).
24. School on Ramsey numbers and Graph Labelings, Abdus Salam School of Mathematical Sciences, GC University Lahore Pakistan, 26 Dec 2007 – 23 January 2008.
25. Ramsey numbers of complete bipartite graphs, *International Conference on Mathematics and Applications ICMA-MU* 2007, Bangkok Thailand, 15-17 August 2007.
26. On the existence of Almost Moore digraphs, *the 3rd International Conference on 21st Century Mathematics* 2007, Lahore Pakistan, March 4-7, 2007, (**Keynote).**
27. Total labelings on graphs, *Workshop/Conference on Algebra and Graph Theory*, Lahore Pakistan, March 13-22, 2006.
28. On the Ramsey numbers of some fixed graphs versus wheels, *Workshop on Cycles and Colorings*, High Tatras, Slovakia, September 5-10, (2004).
29. On the Ramsey Number of wheels versus other graphs, *the 13-th Australasian Workshop on Combinatorial Algorithms (AWOCA)*, Australia, July 7-10, (2002).
30. On Ramsey-type problems, *the 11th National Conference on Mathematics*, Malang, July 21-24, (2002).

Chair of Conferences
1. **Chair,** Graphmasters Workshop, ITB Bandung, November 16-17, 2013.
2. **Chair,** SEAMS School on Numbers, Matrices and Graphs, ITB Bandung, November 4-16, 2013.
3. **Chair**, The 5th International Workshop on Optimal Network Topologies (IWONT 2012), ITB Bandung, 27-29 July 2012.
4. **Chair**, The 3rd GraphMasters Workshop, ITB Bandung, 18-19 July 2012.
5. **Chair**, The 5th International Conference on Research and Education in Mathematics (ICREM5), ITB Bandung, 22-24 October 2011.
6. **Chair**, The 1st GraphMasters Workshop, ITB Bandung, 18-19 December 2010.
7. **Chair,** CIMPA School on Extremal Problems and Hamiltonicity in Graphs, February 2-13, 2009.
8. **Chair**, *International Conference on Graph Theory and Information Security* (ICGTIS), ITB Bandung, Indonesia, 10-13 February 2007.

9. **Chair**, *International Workshop on Graph Labelling* (IWOGL), Batu, Indonesia, 6-9 December 2004.
10. **Chair**, *Indonesia-Japan Joint Conference on Combinatorial Geometry and Graph Theory* (IJCCGGT), ITB Bandung Indonesia, September 13-16, 2003.
11. **Chair**, *the 12-th Australasian Workshop on Combinatorial Algorithms* (AWOCA), Bandung, Indonesia, 14-17 July 2001.

Conference Program Committee
1. **Member,** International Conference on mathematical Research, Education and Applications (ICMREA-UEL 2013), Ho Chi Minh City, Vietnam, December 21-23, 2013.
2. **Member,** The 7th Graphmasters Workshop, University of Lleida, Catalonia, Spain, June 25-28, 2013.
3. **Member,** The 5th Graphmasters Workshop, University of Newcastle, Newcastle, Australia, December 17, 2012
4. **Member,** The 4th Graphmasters Workshop, University of Lleida, Catalonia, Spain, September 27 – October 2, 2012.
5. **Member,** The 2nd Graphmasters Workshop, University of Newcastle, Newcastle, Australia, February 7, 2012.
6. **Member**, The 5th International Workshop on Optimal Network Topologies (IWONT 2011), Brussels, Belgium, July 11-15, 2011.
7. **Member of Steering committee,** International Workshop on Graph Labelings 2010, University of Minnesota Duluth USA, 20-22 October, 2010.
8. **Member of International Advisory Committee,** The 4th International Conference on Research and Education in Mathematics (ICREM4), Kuala Lumpur Malaysia, 21-23 October 2010.
9. **Member**, The 5th International Workshop on Graph Labelings (IWOGL 2009), Chennai India, January 7-10, 2009.
10. **Chair**, Mini-symposium: Graph Theory and Combinatorics, International Conference on Mathematics and Natural Science, 28-30 October, 2008.
11. **Chair**, *Konferensi Nasional Matematika ke-14 dan Kongres Himpunan Matematika Indonesia*, UNSRI Palembang, 24-27 July 2008.
12. **Member,** The 4th IMT-GT 2008 Conference on Mathematics, Statistics and Applications, June 9-11, 2008.
13. **Member,** *LUMS 2nd International Conference on Mathematics and Its Applications in Information Technology*, Lahore Pakistan, March 9 – 12, 2008.
14. **Member,** International Conference on Computational Science, ITB, December 3-4, 2007.
15. **Member**, *the 17th Australasian Workshop on Combinatorial Algorithms (AWOCA)*, Uluru & King's Canyon, Central Australia, 13-19 July 2006.
16. **Member**, *Konferensi Nasional Matematika ke-13 dan Kongres Himpunan Matematika Indonesia*, UNNES Semarang, 24 - 27 July 2006.
17. **Member**, *the 16th Australasian Workshop on Combinatorial Algorithms (AWOCA)*, University of Ballarat, Victoria, Australia, 18-21 September 2005.
18. **Member**, *Indonesia Cryptology & Information Security Conference*, Jakarta, 30 - 31 March 2005.

19. **Member**, *International Workshop on Graph Labelling* (IWOGL), Herlany Slovakia, 3 - 7 July 2005.
20. **Member**, *Konferensi Nasional Matematika ke-12 dan Kongres Himpunan Matematika Indonesia*, Bali, 21 - 24 July 2004.
21. **Member**, *the 15th Australasian Workshop on Combinatorial Algorithms (AWOCA)*, Ballina, NSW Australia, 7 - 9 July 2004.
22. **Member**, *the 14th Australasian Workshop on Combinatorial Algorithms (AWOCA)*, Seoul, South Korea, 13 - 16 July 2003.

Editorial Board of Journals
1. Electronic Journal of Graph Theory and Applications – Chief Editor
2. Interdisciplinary Information Sciences, Tohoku University, Japan
3. J. Indones. Math. Soc. (MIHMI)
4. ITB Journal of Science
5. Journal of Prime Research in Mathematics, Pakistan
6. Internetworking Indonesia Journal

Referees/Reviews
1. MathSciNet
2. Graph and Combinatorics
3. Discrete Mathematics
4. Discrete Applied Mathematics
5. Ars Combinatoria
6. Utilitas Mathematica
7. Journal of Combinatorial Mathematics and Combinatorial Computing
8. Journal of Indonesian Mathematical Society

Completed PhD Students
1. Asmiati, The locating-chromatic number of trees and charactirization of all graphs with locating-chromatic number 3, ITB Indonesia, 2012.
2. Suhadi Wido Saputro, Metric dimension of regular graphs or composition of graphs and characterization of graphs order n with metric dimension n-3 (in Indonesian), PhD Dissertation, ITB Indonesia 2012.
3. Adiwijaya (cum laude), On the *f*-chromatic number of graphs (in Indonesian), PhD Dissertation, ITB Indonesia, 2012.
4. Darmaji, Partition Dimension of multipartite graphs and corona product of two connected graphs (in Indonesian), PhD Dissertation, ITB Indonesia 2011.
5. Tita Khalis Maryati (cum laude), Characterization of *H*-(super)magic graphs (in Indonesian), PhD Dissertation, ITB Indonesia 2011.
6. Hazrul Iswadi, Metric dimension of graphs constructed from corona and amalgamation operation (in Indonesian), PhD Dissertation, ITB Indonesia 2011.
7. I Wayan Sudarsana (cum laude), Ramsey numbers for a union of graphs (in Indonesian), PhD Dissertation, ITB Indonesia 2011
8. Lyra Yulianti, Ramsey-minimal graphs for a combination of two-edge graphs and cycles (in Indonesian), PhD Dissertation, ITB Indonesia 2011
9. Abdul Qudair Baig, Super edge-magic deficiency of forests, PhD Dissertation, GC University Lahore Pakistan, 2010

10. Nurdin (cum laude), Total irregular strength of graphs (in Indonesian), PhD Dissertation, ITB Indonesia, 2010
11. Syafrizal Sy, Multipartite Ramsey Numbers for Paths (in Indonesian), PhD Dissertation, ITB Indonesia, 2009
12. Hasmawati (cum laude), Ramsey numbers for disjoint union of stars (in Indonesian), PhD Dissertation, ITB Indonesia, 2008
13. Anak Agung Gede Ngurah (cum laude), Total edge-magicness of graphs and its deficiency (in Indonesian), PhD dissertation, ITB Indonesia, 2008
14. Kashif Ali, On Ramsey numbers of paths versus wheel-like graphs, PhD Dissertation, GC University Lahore Pakistan, 2008
15. Muhammad Hussain, Total labelling of some families of trees and cycles with chords, PhD Dissertation, GC University Lahore Pakistan, 2008
16. Yus M. Cholily (cum laude), Large Directed Networks (in Indonesian), PhD Dissertation, ITB Indonesia, 2004
17. Surahmat (cum laude), Ramsey Numbers for Wheels (in Indonesian), PhD Dissertation, ITB Indonesia, 2003

Current PhD Students
At ITB Indonesia:
1. Ira Apni Purwasih (started 2010)
2. Dian Kastika Syofyan (started 2011)
3. Amrullah (started 2011)
4. Des Welyyanti (started 2011)
5. Kristiana Wijaya (started 2012)

As Doctoral Examiners
1. As doctoral examiner for **P. Venugopal**, Loyola College, Chennai India (2010)
2. As doctoral examiner for **R. Prabha**, Loyola College, Chennai India (2010)
3. As doctoral examiner for **M. Helda Mercy**, Loyola College, Chennai India (2008).
4. As doctoral examiner for **Dafik**, University of Ballarat, Australia (2007)
5. As doctoral examiner for **M. Salman**, The University of Twente, The Netherlands (2005).
6. As doctoral examiner for **Saladin Uttunggadewa**, The University of Twente, The Netherlands (2000).

Educational Project experiences
1. Co-chair, Ad Hoc Team of Monitoring of the Implementation of National Standard in Indonesia: Graduates' Competence, Content, Teachers, School Principal and School Supervisor Standards, Feb 2008-Now.
2. Co-chair, Ad Hoc Team of Updating Financing Standard for Education, Feb 2008-Now.
3. Chair, Ad Hoc Team of the Development of National Standard for School Infrastructure and Facility: Vocational School and School with Special Need, 2007.
4. Co-chair, Ad Hoc Team of Monitoring of the Implementation of National Standard in Indonesia: Graduates' Competence Standard and Content Standard, 2007.
5. Co-chair, Ad Hoc Team of the Development of National Standard for Education Financing: Vocational School and School with Special Need, 2007.

6. Co-chair, Ad Hoc Team of the Development of National Standard for Educational Process: Non-formal Education and School with Special Need, 2007.
7. Chair, Ad Hoc Team of the Development of National Standard for School Infrastructure and Facility: Primary and Secondary Schools, 2006.
8. Co-chair, Ad Hoc Team of the Development of National Standard for Education Financing: Primary and Secondary Schools, 2006.
9. Co-chair, Ad Hoc Team of the Development of National Standard for Educational Process: Primary and Secondary Schools, 2006.
10. Co-chair, Ad Hoc Team of the Development of National Standard for School Graduates' Competence: Primary and Secondary Schools, 2005.
11. Chair, Ad Hoc Team of the Development of National Standard for Educational Content of Mathematical Education in Primary and Secondary Schools, 2005.

Managerial experiences
1. **Chair**, Board of National Standard for Education, Indonesia, August 2013 – Now.
2. **Secretary**, Commission on Academic Culture, Board of Professors ITB, 2008-2013.
3. **Executive Secretary**, Board of National Standard for Education, Indonesia, 2008 – 2010.
4. **Member**, Board of Professor (Majelis Guru Besar - MGB) ITB, 2007 – 2013.
5. **Member**, Academic Senate, Faculty of Mathematics and Natural Sciences - ITB, 2005 – Now.
6. **Member**, Commission on Graduate School, ITB, March 2007 – March 2008.
7. **Member**, Commission on Graduate Education, Faculty of Mathematics and Natural Sciences - ITB, October 2005 – 2008.
8. **Chair**, Combinatorial Mathematics Research Group, Faculty of Mathematics and Natural Sciences - ITB, October 2005 – now.
9. **Member**, Committee on ITB Entrance Test (Bridging Program), 1 Feb - 31 August. 2005.
10. **Member**, Committee on ITB Entrance Test (Bridging Program), 1 Feb - 31 August. 2004.
11. **Head**, Department of Mathematics ITB, Indonesia, 1998 – May 2002.
12. **Executive Secretary**, Centre of Mathematics ITB (P4M - ITB), Indonesia, Agustus 1996 - 1998.

Research Topics
Graph Theory and Combinatorics: Graph and digraph construction, Ramsey numbers, graph labelling, Metric and Partition Dimensions of Graphs, Locating-Chromatics Numbers of Graphs, Latin squares, Coding and Cryptography.

Courses taught
Discrete Mathematics, Graph Theory, Algebraic Graph Theory, Combinatorial Aspects of Finite Geometry, Topics in Discrete Mathematics, Capita Selecta in Combinatorial Mathematics, Coding Theory, Cryptography, Calculus, Linear Algebra, Introduction to Computer Programming.

LIST OF PUBLICATIONS

In Press
1. I W. Sudarsana, H. Assiyatun, S. Uttunggadewa, E.T. Baskoro, On the Ramsey numbers $R(S_{2,m}, K_{2,q})$ and $R(sK2, Ks+Cn)$, to appear in Ars Combin.
2. A.Q. Baig, <u>E.T. Baskoro</u>, A. Semanicova-fenovcikova, On the super edge-magic deficiency of a star forest, *Ars Combin.*, to appear.

International Publications

1. E.T. Baskoro, and Asmiati, Characterizing all trees with locating-chromatic number 3, *Electronic Journal of Graph Theory and Applications* **I(2)** (2013), 109--117.
2. D.K. Syofyan, E.T. Baskoro, H. Assiyatun, On the locating-chromatics number of homogeneous lobster, *AKCE Int. J. Graphs Combin.* 10:3 (2013), 245-252.
3. D. Welyyanti, E.T. Baskoro, R. Simanjuntak, S. Uttunggadewa, On locating-chromatic number of complete n-ary tree, *AKCE Int. J. Graphs Combin.* 10:3 (2013), 309-315.
4. Amrullah, H. Assiyatun, E.T. Baskoro, S. Uttunggadewa, R. Simanjuntak, The partition dimension for a subdivision of homogeneous caterpillars, *AKCE Int. J. Graphs Combin.* 10:3 (2013), 317-325.
5. I.A. Purwasih, E.T. Baskoro, H. Assiyatun, W. Djohan, The locating-chromatic number for a subdivision of a wheel on one cycle edge, *AKCE Int. J. Graphs Combin.* 10:3 (2013), 327-336.
6. M. Roswitha, E.T. Baskoro, T.K. Maryati, N.A. Kurdhi, I. Susanti, Further results on cycle-supermagic labeling, *AKCE Int. J. Graphs Combin.* 10:2 (2013), 211-220.
7. S.W. Saputro, R. Simanjuntak, S. Uttunggadewa, H. Assiyatun, E.T. Baskoro, A.N.M. Salman, M. Baca, The metric dimension of the lexicographic product of graphs, *Discrete Mathematics*, 313:9 (2013), 1045-1051.
8. T.K. Maryati, A.N.M. Salman, E.T. Baskoro, Supermagic coverings of the disjoint union of graphs and amalgamations, *Discrete Mathematics* 313:4 (2013), 397-405.
9. E.T. Baskoro, I.A. Purwasih, The locating chromatic number for corona product of graphs, *Southeast Asian Journal of Sciences*, 1:1 (2012), 126-136.
10. A. Ahmad, E.T. Baskoro, M. Imran, Total vertex irregularity strength of disjoint union of helm graphs, *Discussiones Mathematicae – Graph Theory* 32:3 (2012), 427-434.
11. Edy Tri Baskoro, Darmaji, The partition dimension of corona product of two graphs, *Far East Journal of Mathematical Sciences*, 66:2 (2012), 181-196.
12. Darmaji, Edy Tri Baskoro, Further results on partition dimension of corona products, *AIP Conf. Proc.* 1450 (2012), 77-81.
13. Adiwijaya, A.N.M. Salman, Djoko Suprijanto, Edy Tri Baskoro, A characterization of the corona product of a cycle with some graphs based on its f-chromatic index, *AIP Conf. Proc.* 1450 (2012), 155-158.
14. Dedy Tatanta, Edy Tri Baskoro, On Ramsey (2K2, 2Pn)-Minimal Graphs, *AIP Conf. Proc.* 1450 (2012), 90-95.
15. Hadi Muhshi, Edy Tri Baskoro, On Ramsey (3K2, P3)-minimal graphs, *AIP Conf. Proc.* 1450 (2012), 110-117.

16. Mania Roswitha, Edy Tri Baskoro, H-magic coverings on some classes of graphs, *AIP Conf. Proc.* 1450 (2012), 135-138.
17. Syafrizal Sy, Edy Tri Baskoro, A lower bound of the size multipartite Ramsey number $m_j(P_n, K_{jxb})$, *AIP Conf. Proc.* 1450 (2012), 259-261.
18. Ira Apni Purwasih, Edy Tri Baskoro, The Locating Chromatic Number of Certain Halin Graphs, *AIP Conf. Proc.* 1450 (2012), 342-345.
19. Asmiati, Edy Tri Baskoro, Characterizing all graphs containing cycles with locating-chromatic number 3, *AIP Conf. Proc.* 1450 (2012), 351-357.
20. M. Hussain, E.T. Baskoro, K. Ali, On super antimagic total labeling of Harary graph, *Ars Combinatoria* 104 (2012), 225-233.
21. Asmiati, E.T. Baskoro, H. Assiyatun, D. Suprijanto, R. Simanjuntak, S. Uttunggadewa, The locating-chromatics number of firecracker graphs, *Far East Journal of Mathematical Sciences* 63:1 (2012), 11-23.
22. E.T. Baskoro, L. Yulianti, Ramsey minimal graphs for 2K2 versus Pn, *Advances and Application in Discrete Mathematics* 8:2 (2011), 83-90.
23. A.Q. Baig, A. Ahmad, E.T. Baskoro, R. Simanjuntak, On the super edge-magic deficiency of forests, *Utilitas Mathematics* 86 (2011) 147-159.
24. H. Iswadi, E.T. Baskoro, R. Simanjuntak, On the metric dimension of corona product of graphs, *Far East Journal of Mathematical Sciences* (FJMS), 52:2 (2011), 155-170.
25. A.A.G. Ngurah, E.T. Baskoro, I. Tomescu, Magic graphs with pendant edges, *Ars Combinatoria*, 99 (2011), 149-160.
26. T. Vetrik, R. Simanjuntak, E.T. Baskoro, Large bipartite Cayley graphs of given degree and diameter, *Discrete Mathematics*, 311 (2011), 324-326.
27. M. Baca, E.T. Baskoro, A.N.M. Salman, S.W. Saputro, D. Suprijanto, The metric dimension of regular bipartite graphs, *Bull. Math. Soc. Sci. Roumanie*, Tome 54 (102) No. 1, (2011), 15-28.
28. Asmiati, H. Assiyatun, E.T. Baskoro, Locating-chromatic number of amalgamation of stars, *ITB Journal of Sciences*, 43A:1 (2011).
29. Adiwijaya, A.N.M. Salman, D. Suprijanto, E.T. Baskoro, A classification of some graphs containing wheels based on f-colorings, *Contribution in Mathematics and Applications III: East-West J. of Mathematics*, a special volume (2010), 200-207.
30. Ali Ahmad, Kashif Ali, Edy Tri Baskoro, On super edge-magic total labeling of a forest of banana trees, *Utilitas Math.* 83 (2010), 323-332.
31. H. Iswadi, E.T. Baskoro, A.N.M. Salman, R. Simanjuntak, The resolving graph of amalgamation of cycles, *Utilitas Math.*, 83 (2010), 121-132.
32. N. Hussain, E.T. Baskoro, Kashif Ali, M.T. Rahim, On (a,d)-vertex-antimagic total labeling of Harary graph, *Utilitas Math.* 83 (2010), 73-80.
33. Nurdin, E.T. Baskoro, A.N.M. Salman, N.N. Gaos, On total vertex-irregular labellings for several types of trees, *Utilitas Math.* 83 (2010), 277-290.
34. H. Iswadi, E.T. Baskoro, A.N.M. Salman, R. Simanjuntak, The metric dimension of amalgamation of cycles, Far East Mathematical Science Journal, 41:1 (2010) 19-31.
35. T.K. Maryati, A.N.M. Salman, E.T. Baskoro, J. Ryan, M. Miller, On H-supermagic labelings for certain shackles and amalgamations of a connected graph, *Utilitas Math.* 83 (2010), 333-342.
36. T. Vetrik, L. Yulianti, E.T. Baskoro, On Ramsey (K1,2, C4) – Minimal Graphs, *Discussiones Mathematicae Graph Theory* 30 (2010) 637-649

37. Nurdin, E.T. Baskoro, A.N.M. Salman, N.N. Gaos, On total vertex-irregularity strength of trees, *Discrete Math.* 310 (2010) 3043-3048.
38. L. Yulianti, H. Assiyatun, S. Uttunggadewa, E.T. Baskoro, On Ramsey (K1,2, P4)-minimal Graphs, *Far East Journal of Mathematical Sciences* (FJMS), 40(1) 2010: 23-36.
39. I Wayan Sudarsana, E.T. Baskoro, H. Assiyatun, S. Uttunggadewa, The Ramsey numbers for the union graph with H-good components, *Far East Journal on Mathematical Sciences* 39:1 (2010), 29-40.
40. K. Ali, E.T. Baskoro, I. Tomescu, On the Ramsey number for paths and beaded wheels, *Journal of Prime Research in Mathematics* 5 (2009), 133-138.
41. K. Ali, A.Q. Baiq, E.T. Baskoro, On the Ramsey number for a linear forest versus a cocktail party graph, *J. Combin. Math. Combin. Comput.* 71 (2009), 173-177.
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