



Newsletter 24

Edited by Sara Munday (University of York, UK)
and Jasmin Raissy (University Paul Sabatier – Toulouse III)

2014/1

In this issue

In this issue, we first introduce our new editor. Then you can find details of several upcoming events, notably the 6th EWM summer school and the second ICWM, a satellite meeting to the International Congress of Mathematicians in Seoul.

We also feature an interview with Budi Nurani Rachjana, the head of the Indonesian Mathematical Society.

News reports from France, Poland and the UK are included too, as is a report on the ongoing Project INTEGER.

A series of miscellanea are pointed out at the end of this issue.

New Editor



We are pleased to be able to introduce our new editor from this issue onwards:

Jasmin Raissy graduated from the University of Pisa in Italy in 2010, with a PhD thesis in holomorphic dynamics. After two and a half years as a post-doc at the University of Milano-Bicocca, since September 2012 she has been a Maître des Conférences at the University Paul Sabatier – Toulouse III, where her main research topic is complex analysis and dynamics in several complex variables.

Upcoming Events

6th EWM European Summer School: Apollonian Circle Packing

The 6th EWM/EMS Summer school will be held from the 23rd June to the 27th June 2014, at the Institute Mittag-Leffler, Sweden. The lectures will be given by Hee Oh (Yale) and Elena Fuchs (UC Berkeley). The aim and description of the school as follows:

An ancient theorem of Apollonius of Perga, circa 200BC, proves that for any three mutually tangent circles or lines there are precisely two other circles or lines which are tangent to all three. Thus given four mutually tangent circles, one of them internally tangent to the other three, there is a unique way to inscribe a circle into each of the curvilinear triangles that appear between the circles; iterating this procedure indefinitely gives a construction called an Apollonian circle packing.

One can study an Apollonian circle packing (ACP) from many different angles. Such packings are certainly of interest in classical geometry. But ACP's encode fascinating information of an entirely different flavor: an infinite family of so-called integer ACP's encodes beautiful and mysterious number theoretic properties. Many of these properties can be observed or conjectured experimentally, and the statements of conjectures or theorems in this area can be pleasingly simple. But these properties turn out to be fantastically difficult to prove. ACP's are intimately related to questions on orbits of thin groups, and the summer school will adopt this modern point of view, which has led to recent breakthroughs by employing methods involving geometric group theory, equidistribution, expanders, and the affine sieve.

The aim of the European Women in Mathematics summer school is to provide a stimulating intellectual environment for PhD students from different countries and different mathematical disciplines to learn new mathematics (outside the scope of their own research) and to meet new colleagues. We hope that these contacts will help the forming and development of a network for PhD students and between PhD students and established mathematicians.

For more information, see: <http://www.mittag-leffler.se/?q=2014school>

The deadline for applications has now passed, but we hope to have a report from the school in the next newsletter.

Sponsors of the summer school are:



17th General meeting of the EWM

Planning is underway for the next general meeting. It will be held in Cortona during the week August 31 – September 4, 2015. More details on the list of confirmed speakers and practical information will come in the next issue of the newsletter.

International Congress of Women Mathematicians

Following on the success of the ICWM satellite meeting to the ICM in Hyderabad in 2010, there is to be another held this year in Seoul, Korea.

The plenary speakers will be:

Laura Demarco, University of Illinois at Chicago, USA.

Isabel Dotti, Universidad Nacional de Cordoba, Argentina.

Jaya Iyer, Institute of Mathematical Sciences, C.I.T. Campus, India

Motoko Kotani, Tohoku University, Japan.

Hee Oh, Yale University, USA.

Gabriella Tarantello, University of Rome, Italy.

Donna Testerman, Ecole Polytechnique Federale de Lausanne, Switzerland.

Registration for the ICWM conference is now open. For more information and online registration, see: <https://sites.google.com/site/icwm2014/home>

International Congress of Women Mathematicians ICWM 2014

2014 세계여성수학자대회

August 12, 2014

at Ewha Womans University, Seoul, Korea

August 14, 2014

at COEX Convention Center, Seoul, Korea



www.kwms.or.kr/icwm2014
icwm2014.seoul@gmail.com

KWMS 한국여성수리과학회
Korean Women in Mathematical Sciences



Gender Summit in Brussels



After expanding to North America in 2013, this year the Gender Summit returns to Brussels. The Gender Summit 4 - Europe 2014 (GS4EU) will, again, bring together experts from research, industry and policy to consider gender research evidence and the ways of improving quality and impact of research and innovation through the inclusion of gender in science knowledge making and application. The Programme will focus Horizon 2020, the current €80bn funding programme of the European Commission, in particular. The Summit's Themes and Tracks will focus on the cross-cutting role of gender and how gender can be integrated within the different calls, through actions enhancing gender equality and through inclusion in research and innovation content. The GS4EU provides an early opportunity for H2020 applicants to explore with experts how gender can be best accommodated in their proposals.

GS4EU Programme includes contributions from: • DG Joint Research Centre (JRC), European Commission • DG Research and Innovation (DG RTD), European Commission • Cabinet of Commissioner Máire Geoghegan-Quinn, Research, Innovation and Science, European Commission • European Research Council (ERC) scientific Council • National Science Foundation (NSF), USA • Fraunhofer Gesellschaft, Germany • Technical University Berlin, Germany • Netherlands Institute for Advanced Studies • Norway's Gender Balance in Research Committee • Rutgers University-Newark, USA • Wissenschaftszentrum Berlin für Sozialforschung (WZB), Germany • Amsterdam Center for Career Research, Faculty of Economics and Business Administration, VU University Amsterdam, The Netherlands • Elsevier, USA • National Research Council of Italy (CNR), Italy • University of Cambridge, UK • Karolinska Institutet, Sweden • University of Louvain, Belgium • Research Council of Norway • Wellcome Trust, UK

Submit an abstract here: <http://gender-summit.com/index.php/participate3/submit-your-research>

Register here: <http://gender-summit.com/index.php/participate3/register-and-attend>

Country News

France

13rd Forum for Young Women Mathematicians, November 13th-15th, 2013, in Lyon

This meeting took place in the University of Lyon 1 and in the Ecole normale supérieure de Lyon, on the theme Mathematics and Computer Science in Interaction. About 60 mathematicians were present, among them 14 young women mathematicians who gave short lectures. Senior women mathematicians Mireille Bousquet-Mélou, Anne Canteaut, Catuscia Plamidesi and Frédérique Bassino were invited. Muriel Salle, researcher in gender studies, introduced the notion of gender and discussed inequalities between women and men, especially in mathematics.

During a job meeting, attendees met three women working either for Areva, or Michelin, or Peugeot after a doctorate in science. A round table about popularizing mathematics and computer science also took place, with Sylvie Benzoni, Vincent Borrelli, Christine Leininger, Malika More and Laura Pallez, directed by Aleksandra Bogdanovic-Guillon.

Anne Rougée, with la Comédie des Ondes, presented her play « She likes mathematics » (« Elle est mathophile »). A mentoring workshop aimed at deconstructing stereotypes, in society generally and in the academic world particularly took place with about 30 participants.

Le dictionnaire universel des créatrices (in French)

The Universal Dictionary of Creative Women (3 volumes), directed by Béatrice Didier, Antoinette Fouque and Mireille Calle-Griber, with colored letters by Sonia Rykiel, has been published in November 2013 (Edition des femmes). Forty centuries of creations by women in the world in all domains are described with notices written by numerous authors. Until the 20th century there were very few women mathematicians. Anne Boyé, historian of mathematics and member of the French association *femmes & mathématiques*, directed the mathematics section and chose to ask a few mathematicians to write about creative women in mathematics from the past. She also wrote about living women mathematicians in a review of mathematics in the 20th and 21st centuries. Here is a list of the notices and the authors :

Agnesi, Maria Gaetana	1718-1799	Annick Boisseau
Angas Scott , Charlotte	1858-1931	Anne-Marie Marmier
Boole Stott, Alicia	1860-1940	Jean-Jacques Dupas
Bowman Robinson, Julia	1919-1985	Christine Charretton
Cartwright, Mary Lucy	1900-1998	Anne Boyé
Chisholm Young, Grace	1868-1944	Michèle Audin
Delavault, Huguette	1924-2003	Danielle Gondard
Desolneux-Moulis, Nicole	1943-1999	Michèle Audin
Dubreil Jacotin, Marie- Louise	1905-1972	Christine Charretton
Everest Boole, Mary	1832-1916	Jean-Jacques Dupas
Fairfax Somerville, Mary	1780-1872	Isabelle Collet
Flugge-Lotz, Irmgard	1903-1974	Isabelle Collet
Geiringer von Mises Hilda	1893-1973	Anne Bertrand
Germain Sophie	1776-1831	Christian Gerini
Hayes, Ellen Amanda	1851-1930	Isabelle Collet
Hazlett, Olive	1890-1974	Anne-Marie Marmier
Hudson, Hilda Phoebe	1881-1965	Isabelle Collet
Hypatia	370 ?- 415	Marie-Noëlle Racine
Kovalevskaya Sofia	1850-1891	Michèle Audin
Ladd-Franklin, Christine	1847-1930	Isabelle Collet
Ladyzhenskaya, Olga	1922-2004	Gérard Tronel
Le Tonnelier de Breteuil, Emilie, Marquise du Châtelet	1706-1749	Marie-Noëlle Racine
Lee Browne, Marjorie	1914-1979	Anne-Marie Marmier
Lehr Marguerite	1898-1988	Anne-Marie Marmier
Libermann, Paulette	1919-2007	Michèle Audin
Moufang, Ruth	1905-1977	Isabelle Collet
Nightingale, Florence	1820-1910	Anne Boyé
Noether, Emmy	1882-1935	Isabelle Collet
Oleinik, Olga	1925-2001	Gérard Tronel
Pell Wheeler, Anna	1883-1966	Anne-Marie Marmier
Péter, Rozsa	1905-1977	Isabelle Collet
Piccard, Sophie	1904-1990	Isabelle Collet
Ragsdale, Virginia	1870-1945	Anne-Marie Marmier
Rasiowa, Helena	1917-1994	Christine Charretton
Taussky-Todd Olga	1906-1995	Anne Boyé
Turner Bird, Margaret	1877-1962	Anne-Marie Marmier

EPWS Conference and 8th General Assembly, June 11th, 2014, Paris New Perspectives on Women Scientist Careers in Europe

The following subjects will be addressed :

- Gender in the European Programme Horizon 2020.
- Up-skilling women scientists careers - European and French perspectives, with a keynote speech: "Women, Gender & Science: Modern sexism in action", by Nicky Le Feuvre, University of Lausanne, Switzerland.
- Human Resources Management in R&D in the private sector and in public research institutions.
- Mentoring experiences in France and in Europe.

See <http://www.epws.net>

Next Forum of Women Mathematician, October 17th-18th, 2014, in Paris, organised by the French association *femmes & mathématiques*.

Connected to a day for young women mathematicians, a special meeting will be organized on October 17 in partnership with the French mathematics societies (Société française de statistiques, Société de mathématiques appliquées et industrielles, Société mathématique de France), with the support of the CNRS Institute for Mathematics Science and its interactions.

It will take place the day after the celebration of the 20th anniversary of the renovation of the Henri Poincaré Institute (IHP) and is intended for a large public of mathematicians. The aim is to set into light women mathematicians working in France and who have recently obtained international prizes : talks by a few of these remarkable women mathematicians are being planned.

Organising committee : Valérie Berthé, Aline Bonami, Laurence Broze, Victorita Dolean, Colette Guillopé, Christian Kassel, Christine Keribin.

French women mathematicians honoured

Mireille Bousquet-Mélou, CNRS research director at LABRI (University of Bordeaux) is going to receive the CNRS silver medal. The CNRS silver medal honours researchers who are only at the beginning of their rise to fame, but who are already recognized nationally and internationally for the originality, quality, and importance of their work.

Michèle Artigue, emeritus professor at the Laboratoire de didactique André Revuz (University Paris Diderot-Paris 7), received the ICMI Felix Klein Award for her lifetime achievement in the field of mathematics education. Felix Klein (1908-1920) was the first president of the International Commission on Mathematical Instruction (ICMI).

More information about activities and news in France in the February Newsletter of the Association *femmes & mathématiques*.
<http://www.femmes-et-maths.fr/wp-content/uploads/2014/02/lettre-FM-n°5.pdf>

*Colette Guillopé, EWM Coordinator for France
Université Paris-Est Créteil*

Poland

Women on the Archipelago of Mathematics

How to attract young people to mathematics? Warsaw University of Technology bet on the computer game and invented "Archipelago of Mathematics". It is an education project cofounded by the Human Capital Programme within the European Social Fund and it applies work on the special digital platform as a tool complementary to high school education of mathematics.

The competition consists of visiting the islands of Archipelago, where each island is related to some domain of mathematics. The players score points by solving the mathematical problems and playing the logical games and additionally they learn about the role of mathematics in describing and understanding the laws of science as well as about applications of mathematics in several areas.

On the 14th of February 2014 the conference closing the project took place in Warsaw University of Technology. Both teenagers and their teachers took part in it. The organisers prepared prizes for the best competitors: those who scored the most points in the game and those who invented the most interesting solutions, new exercises and puzzles within the game.

Next, the invited speakers talked about the past and present of mathematics. As one of the main goals was to encourage girls to study mathematics, the next step would be to convince them to study science. Professor Pogoda of Jagiellonian University in Cracow presented the history of women in mathematics from Hypatia to Emma Noether.

Anna Grybos of AGH University of Science and Technology and EWM Coordinator for Poland talked about some contemporary female mathematicians and introduced European Women in Mathematics. The presentation included the basic facts about EWM, structure and activities, as well as some statistics on the situation of women mathematicians across Europe.

Another goal of the project was to convince young people that mathematics is not spooky and could be fun and colourful as well. The last speaker, Ada Palka of Jagiellonian University, presented her work on mathematics in art, which was illustrated with examples ranging from anamorphosis from "The Ambassadors" by Hans Holbein the Younger to modern graffiti.

The rest of the day the participants spent on having fun with mathematics. Demonstrations of the game were available to try and the organisers presented the most interesting or surprising solutions to the puzzles used in the game. Seeing the young people enjoying the play with mathematics, I may confirm that the goals of the project have been achieved.

*Anna Grybos, EWM Coordinator for Poland
AGH University of Science and Technology
Krakow, Poland*

United Kingdom

LMS Women in Mathematics Day

The Women in Mathematics Day is an annual event organised by the London Mathematical Society. The event provides an opportunity to meet and talk with women who are active and successful in mathematics. This year it was held on Friday 25th April at De Morgan House in London.

The sessions included talks by women mathematicians at different career stages and a poster session. The plenary talks were given by Sarah Hart (Birkbeck College) who talked about *Counting in Coxeter Groups*, Katia Babbar (Lloyds), whose talk was on *Quantitative Finance in Practice: a Mathematician on the Trading Floor*, and Anne Juel (University of Manchester), who introduced the topic *Confining bubbles in small spaces: Instabilities and Pattern Formation on the pore scale*.

There were also a number of practical sessions to help women get the most out of their careers in mathematics, including advice on how to get funding for your first postdoc and beyond and discussion groups on topics such as combining family and career, working overseas and making the next step in your career.

There was, as usual, a prize awarded for the best poster. This year it went to Layal Hakim (Brunel University).

Mary Cartwright Lecture 2014 at the University of York



Reidun Twarock (left), Briony Thomas (middle) and Anne Taormina (right) at the Mary Cartwright Lecture of the London Mathematical Society.

This year's Mary Cartwright Lecture took place at the York Centre for Complex Systems Analysis (YCCSA) at the University of York. The overall theme of the day was "Symmetry in Science". The opening lecture on "Moonshines" was delivered by Prof. Anne Taormina from Durham University. Particular emphasis was put on the recent discovery of Mathieu Moonshine, a phenomenon linking information encoded in a mock modular form that naturally appears in the theory of superstrings propagating on K3 surfaces, and the sporadic group Mathieu 24. How this huge symmetry group acts within the string theory remains a mystery and has captured the interest of theoretical particle physicists, algebraic geometers, number and group theorists. The Mary Cartwright Lecture was given by Prof. Reidun Twarock on "Viruses and geometry: Hidden Symmetries in Virology." It showed that mathematical tools from group, graph and tiling theory can be used to better understand structural constraints on viruses and provide a new perspective on how viruses form, evolve and infect their hosts. Reidun showed that these new mathematical tools also apply to nested carbon cage structures called fullerenes, and she demonstrated how they can be used to address open problems in bionanotechnology. She also reported on recent models that have enabled the discovery of a mechanism in virus assembly in collaboration with her experimental collaborator Prof Peter Stockley from the Astbury Centre for Structural Molecular Biology in Leeds, that has inspired the development of a novel anti-viral strategy against (single-stranded) RNA viruses. The talks were complemented by an exhibition of polyhedral art and design by Dr Briony Thomas from the School of Design at the University of Leeds, who is currently spending her sabbatical at YCCSA. Briony frequently showcases her work at conferences on mathematics and art, such as the Bridges conferences, and organizes exhibitions dedicated to mathematical art. She also develops material from these exhibitions to contribute to school outreach programmes.

The meeting was well attended by students, postdocs and staff and stimulated lively discussions among participants. It was opened by Prof. Ken Brown, Vice President of the LMS, and the speakers were introduced by Prof. Gwyneth Stallard, the chair of the LMS's Women in Mathematics Committee.

Reidun Twarock, University of York

INTERVIEW: Budi Nurani Ruchjana



Dr Budi Nurani Ruchjana is the head of the Indonesian Mathematical Society. She is also the Dean of the Faculty of Mathematics and Natural Sciences at Padjadjaran University. Her research area is Applied Statistics, and she has several publications in this area in leading international journals. We were very pleased to invite her to the 16th EWM meeting in Bonn last year, where she participated in all the sessions and gave us an insight into the state of Mathematics in Indonesia.

As well as her active scientific career, she is also married with children.

EWM: When and why did you decide to follow a career in Mathematics?

I decided to take the field of mathematics when entering the university in 1982. My most fundamental consideration then was that mathematics is the mother of science and can be beneficial to all areas of life. Subsequently, after graduation with a degree in mathematics from Padjadjaran University in 1987, I was accepted as a candidate lecturer in the Department of Mathematics, Faculty of Mathematics and Natural Sciences at Padjadjaran University. I obtained a scholarship to continue my studies with a Master Degree in the postgraduate program of Bogor Institute of Agriculture on Applied Statistics, which I completed in 1992. Furthermore, I graduated with a PhD in Mathematics with a

concentration in Applied Statistics from Bandung Institute of Technology in 2002. During the course of my PhD studies I had the opportunity to attend a sandwich program at Delft Institute of Applied Mathematics TU Delft, the Netherlands in 2001, with a dissertation titled, "A Generalization Model Space Time Autoregressive and Its Application in Oil Production Data". The topic of this dissertation has been developed into a range of collaborative research both theoretic and applied, which has been funded by the Mobility Programme KNAW Netherlands (2004, 2007), Abdus Salam School of Mathematical Sciences Lahore Pakistan (2008), International Cooperation Fund of the Directorate General of Higher Education, Ministry of Education and Culture in cooperation with the Faculty of Spatial Sciences University of Groningen (2010, 2011, 2012, 2013).

I chose the field of Applied Statistics,

because it is still mathematics, but with more application to real world problems. Since becoming a faculty member, I decided that I would make my career as an academic with the aim of studying and developing science for the benefit of the community, because I believe that science is an act of worship, with rewards which will continue to flow even after we die. Science will always be used by students and will be presented continuously in academic activities in universities with the goals of implementing educational activities, research and community service.

Until now, I have had a career as a lecturer for nearly 26 years, with much support and trust from my colleagues. On the way through my career I first became the Secretary of the Department of Mathematics (1995-1998) , then Chairwoman of the Department of Mathematics (2002 - 2007) , Vice Dean for Academic Affairs , Faculty of Mathematics and Natural Sciences (2007-2012) , and, currently, I am the Dean of the Faculty of Mathematics and Natural Sciences, Padjadjaran University (2012-2016).

EWM: Are you aware of a significant number of women in your country working in modern fields of Mathematics?

In Indonesia, we are grateful that since Raden Ajeng Kartini (born in 1879) sparked the equality between men and women in his book " Habis Gelap Terbitlah Terang ", our women in Indonesia have the same roles as men, especially in the field of education. Women in Indonesia have the opportunity to study all the various fields of science. When I entered into undergraduate studies , the proportion of women was still very small compared to men. But it's now almost 50 % -50 % of women and men students in the field of

Mathematics and other Natural Sciences.

The number of female professors in the fields of mathematics and mathematics education is still very small compared to men, only about 10 % (precisely, 8 of 87 people of Mathematics and 4 of 42 people for mathematics education). However pursuit of women in modern mathematics has begun to appear. Various development activities of mathematics and mathematics education have included women as a resource in education and research, especially in the areas of algebra, analysis, statistics and mathematics education. Cooperation in these areas has been done both with researchers in domestic and overseas researchers. However, for the number of people achieving PhDs in mathematics and mathematics education in Indonesia continues to grow, both in pure academic fields and areas such as industry, banking, hospitals, petroleum, mining, actuarial science, and others.

EWM: Are there dedicated efforts to encourage women to undertake advanced training in Mathematics in your country?

Various activities for the improvement of women's ability in mathematics has been given frequently, both by government and professional mathematical associations such as the Indonesian Mathematical Society (IndoMS). Through IndoMS, we have a mission to continuously improve the capacity of members to implement the education of mathematics, research and community to support a national development and education in Indonesia.

IndoMS activities are not differentiated for women or men, because we have the existence of the principle of equal rights and

obligations in the development of a mathematicians. Since its founding in 1976, IndoMS has been implementing the National Conference Mathematics seventeen times. This year, the conference will be held from the 11-14 June at the Department of Mathematics and Statistics, Institut Teknologi Sepuluh Nopember, Surabaya, East Java. IndoMS and the conference organizers invite many experts in mathematics and mathematics education as well as its applications in industry and other fields. It is also intended to disseminate research results in mathematics, as well as to share experiences in education and community service through a variety of workshops, discussions. Also the IndoMS congress will elect a president for the period 2014-2016.

As a person who was elected president of IndoMS in 2012-2014 , I have a great duty and obligation for running and managing services to the Indonesian mathematical community. During the 2012-2014 period, various activities to increase the capacity of members of IndoMS to obtain various grants from the Indonesian government and international Global CERDF – Virginia-USA have been carried out. IndoMS obtained grants for the development of the internationalization of the Journal of the Indonesian Mathematical Society (JIMS), which is reviewed by Zentralblatt Math (Germany) and the American Mathematical Reviews, and also of the IndoMS Journal of Mathematics Education which was awarded a grant to improve the journal in order to be accredited by Higher Education nationally. Other activities are awarding a grant to the IndoMS International Conference on Mathematics and Its Applications (IICMA) 2013, and developing Learning Outcomes for graduates with a Bachelor of Mathematics, Mathematics Education, Statistics and Computer Science that will be

used as the basis for setting the learning achievements by the government. Activity of capacity increasing of members of IndoMS in writing papers for international journals and writing research proposals will be implemented from June 2014 - January 2015 that involve IndoMS in seven regions in Indonesia. This is expected to help improve the quality of IndoMS members' research and contribute to Indonesia in the development of the mathematical sciences in general.

EWM: Did your family support your choice to pursue PhD studies and with the academical career?

Yes, of course. My career cannot be separated from family support, beginning with my parents. Both my mother and father and brothers are very supportive of my further studies and my academic career field. My mother strongly motivated me to carry out the study as high as possible to obtain a doctorate, so does my father, who was a teacher and high school principal, always give support to remain in life long learning.

Since before marriage, my husband also gave support to continue the study of the masters degree. After getting married, my husband and my children always give me motivation and support to continue my studies at doctoral program and also carry out the mandate to become steward of academic and non-academic in the faculty of mathematics and natural science at this time. My husband and children have always allowed me to participate in various activities of professional mathematicians, take charge of IndoMS, attend seminars and conferences both within Indonesia and abroad, such as the 16th European Women Meeting in Bonn in 2013 , ICM and ICWM 2014 in

Seoul-South Korea in August 2014. Although I am fully supported by my family, still as an Indonesian woman I also have to still be able to act as mother and housekeeper at home. Therefore, to obtain a balance in career and settle down, I always prepare a detailed schedule of activities every day, from early morning at 4am till prepare dinner, to be done every day . To replace the lost time due to a day of work in college, then when there is a holiday the whole family attempts to fill a joint activity, although we sometimes just go for lunch or a movie together, both at home and outside the home. Also if it is out of town or overseas, our communications are not interrupted, so I as a mother and wife still know the activities of my family.

EWM: Are there organizations for women in science (particularly in Mathematics) in Indonesia?

As I've mentioned, in Indonesia we adhere to the principle of equal rights and obligations of the presence of both men and women , not only in the field of mathematics but also for another areas. So, in Indonesia there is no organization that is built specifically for women. For example, in IndoMS, we do not build IndoMS men and women such as in Europe, there is the European Mathematical Society and the European Women in Mathematics.

It makes IndoMS as an organization that is not gender biased, but as an organization that houses all the members of mathematicians from all over Indonesia . Even for the presidential election IndoMS never differentiated male or female, although the proportion of women is still smaller than men. Since it was established in 1976, IndoMS has had 9 elected presidents and two of them have been women (period 2002-2004 , 2004-2006 Prof . Dr. Sri Wahyuni / Gadjah Mada University and period 2012-2014 is myself).

Likewise with other professional associations, such as the Chemical Society of Indonesia, the Indonesian Physical Society, Association of Indonesian Biological and others, there is no organization grouping by gender.

EWM: Are women present in leading positions at well established universities there?

Although equal rights to education and other life run in Indonesia, no justice can be denied if the percentage of women who had a high position both in educational institutions and government or private still smaller than men. However, in practice, women in Indonesia have been able to fill various structural positions. For example in the field of education, the role of women has been seen as the rector, vice rector, dean, vice dean, department chair, study program chair, the head of the laboratory. In other areas , for example in government, there is a Minister for National Development Planning and Head of the National Development Planning Agency held by Prof . Dr. Armida S. Alisjahbana who was previously Vice Dean for Academic Affairs, Faculty of Economics and Business, University of Padjadjaran. For increasing the role of women in Indonesia, both in the development of mathematics and science as areas of government, as well as private industries certainly needed a variety of activities that involve the participation of Indonesian women. We sincerely hope that with the new Indonesian government plan period 2014-2019 various activities that can improve the ability of Indonesian women will be realised, so that we can fill the Indonesian national development plan both as workers and as mothers of children who will grow up to be the nation's next generation of better Indonesians.

Report on the project INTEGER

INTEGER (INstitutional Transformation for Effecting Gender Equality in Research) is a European project funded under the EC FP7 Science in Society 2010 Work Programme. It began in March 2011 and will run for 4 years.

The official website can be found here : <http://www.projectinteger.com/en/about-the-project>

Recently, the European Women Researchers Day was launched as part of this project. The objective of the first meeting, which was held on the 28th of March at CNRS headquarters, was to contribute to the career development of women researchers by providing them with role models and by creating an international context for exchange of good practice and networking. The focus was on providing career development information and examples of women researchers' career paths. It was possible to join the day « live » online, and the videos that were captured are still available to watch here : http://webcast.in2p3.fr/events-journee_europeenne_des_chercheuses_2014 (Note that the website is in French, but the videos are in English.)

One upcoming event linked to this project is the Oxford Women's Leadership Symposium, in Decemeber 2014. For more information, follow this link : <http://www.projectinteger.com/en/oxford-women-s-leadership-symposium>

MISCELLANEOUS

An article, by Anca Croitoru, that might be of interest to members of the EWM can be found here:

Croitoru A. – *The informal side of Mathematics*, Agathos, Volume 2, Issue 1 (2011), 105 – 117.

<http://www.agathos-international-review.com/issue2/14.ANCA%20CROITORU.pdf>

The annual best and worst jobs round up has been reported, with 9 out of 10 of the best jobs being in STEM fields and the job voted the best of all in 2014 is being a mathematician. Well, we all already knew that, right? To read more, see:

<http://www.cnbc.com/id/101582641>

For an interesting discussion of gender issues in mathematics, take a look at this blog post:

<http://echidneofthesnakes.blogspot.co.uk/2014/03/studying-gender-stereotypes-in-science.html>

USEFUL LINKS AND CONTACTS

EWM website:	http://www.europeanwomeninmaths.org/	
EWM convenor:	Susanna-Terracini	susanna.terracini(at)unito.it
EWM deputy convenor:	Angela Pistoia	pistoia(at)dmmm.uniroma1.it
EWM email list:	Katrin Leschke	k.leschke(at)le.ac.uk

Other organisations with similar aims to the EWM:

The European Mathematical Society (EMS): <http://www.euro-math-soc.eu/>

EMS Women in Mathematics Committee: <http://www.euro-math-soc.eu/comm-women.html>

France: Femmes et mathématiques: <http://www.femmes-et-maths.fr/>

UK: LMS Women in Mathematics Committee: http://www.lms.ac.uk/activities/women_maths_com/

Job announcements:

<http://www.math-jobs.com>

<http://www.jobs.ac.uk/>

<http://www.euro-math-soc.eu/jobs.html>

Membership: The membership fee can be paid by credit card or Paypal via the EWM website, or by direct transfer to the EWM bank account. For more details, see

<http://europeanwomeninmaths.org/about-us/membership>