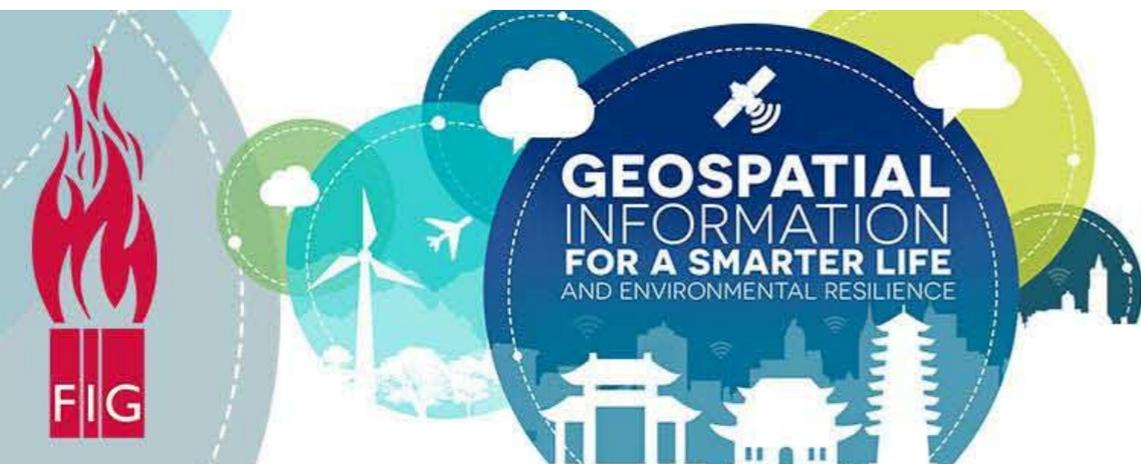


FIG Young Surveyors Report

3rd Young Surveyors Network Asia & the Pacific Meeting
FIG Working Week 2019 – Hanoi, Vietnam



**FIG Young Surveyors Network
Asia & the Pacific**
THIRD REGIONAL MEETING

H A N O I
2 0 1 9
21-22 APRIL



International
Federation of
Surveyors (FIG)



Vietnam Association of
Geodesy, Cartography
and Remote Sensing (VGCR)

Xin Chào! Hello!

Thank you to everyone who attended the 3rd FIG Young Surveyors Asia & the Pacific Meeting (#3YSAPM) and the FIG Working Week 2019 (FIGWW2019) in Hanoi, Vietnam.

The theme “Geospatial Information for a Smarter Life and Environmental Resilience” focused on tackling the climate changes by working towards a smarter life both through the development of smart cities and in rural areas. Spatial information, big data, surveying, BIM, land administration and much more are essential factors in this development.

The FIG Working Week 2019 was incredibly successful. The Young Surveyors organized several events namely: the 3rd FIG Young Surveyors Network Asia & the Pacific Meeting (3YSAPM), Hoa Lu-Tam Coc Eco Tour, YSN Charity Dance, Speed Networking, Conference Technical Sessions - “Mapping the Plastic” with FIG Commission 4 and “Connecting the Dots”, and a Plenary Session – “Everyone’s Contribution’s Count!!!”.

The technical sessions, workshops, trade exhibition and social functions showcased the opportunities for the future and learned the importance of geospatial information and how it can be used to create harmony among the spatial, social, economic and environmental aspects of a city and inhabitants towards a resilient future.

Melissa Harrington

Chair FIG Young Surveyors Network (2018 - 2020)

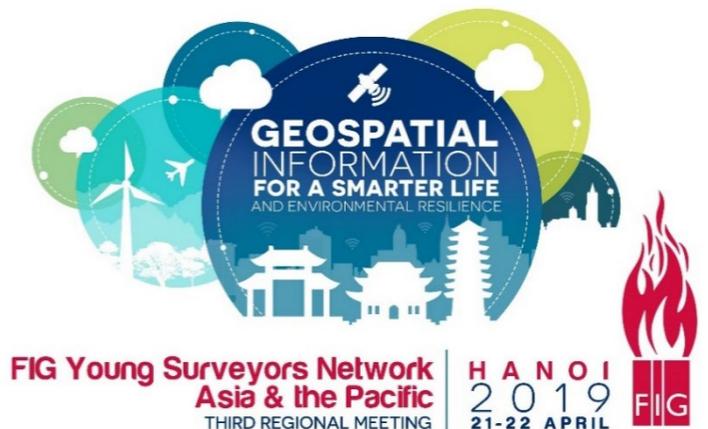


Kwabena Asiamah

Vice Chair of Administration
FIG Young Surveyors Network

Donmarl Camua

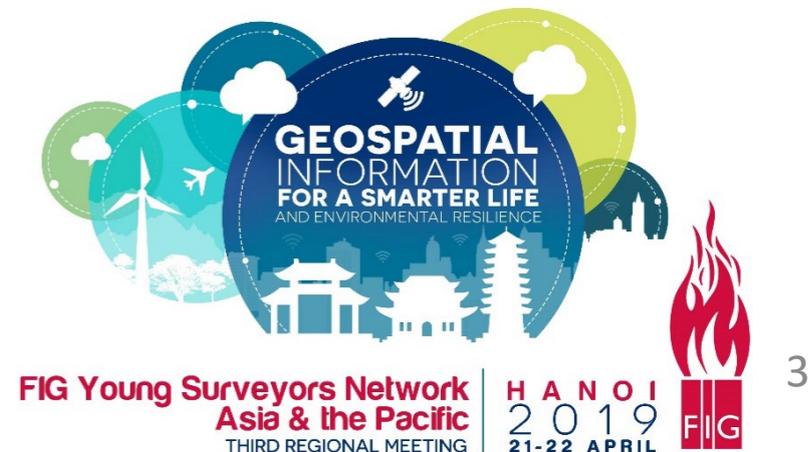
FIG Young Surveyors Network
- Asia & the Pacific
Local Organiser



3rd FIG Young Surveyors Network – Asia & the Pacific Meeting (#3YSAPM)

On 21-22 April 2019 the 3rd Young Surveyors Asia and the Pacific Meeting (#3YSAPM) was held at Meeting Room 2+3, 5th Floor, InterContinental Hanoi Landmark72, Đường Cầu Giấy, Hanoi, Vietnam. The main theme of the conference was “*Geospatial Information for a Smarter Life and Environmental Resilience*”. The two-day event is a subevent of the FIGWW2019 and provided an environment for Young Surveyors from different cultures, countries, academic qualifications, and professional experience to discuss the issues facing their region, and plan for a resilient future.

The #3YSAPM brought together 35 young surveyors and professionals from 20 countries with different cultural backgrounds, diverse surveying traditions and varying professional experiences. The FIG Young Surveyors Network and the YSN Asia & the Pacific jointly organized the meeting with support from FIG, FIG Foundation, Trimble, ESRI, Leica Geosystems and Ripro Japan.



#3YSAPM Opening Ceremony



The meeting started with an opening ceremony and photo session. This session provided valuable insight about of FIG and its Commissions, the FIG Foundation as well as seeing expectations for the #3YSAPM.

Young Surveyors enjoyed a warm welcome and housekeeping from **Melissa Harrington**, Chair FIG Young Surveyors Network (YSN) and **Kwabena Asiamah**, Vice Chair of Administration FIG YSN. Following this were short messages from **Dr. Rudolf Staiger**, International Federation of Surveyors (FIG) President, **Trinh Anh CO**, FIGWW2019 Co-Conference Director and representative of the Vietnam Association of Geodesy, Cartography and Remote Sensing (VGCR), and from representatives of the FIG Ten (10) Commissions.



After the group photo, **John Hohol**, FIG Foundation President, greeted the participants with a presentation overview about FIG and the activities of the FIG Foundation in its support of young surveyors. He also recognised the Foundation Scholars supported this Working Week.



Melissa and Kwabena concluded this session with the presentation about the FIG YSN and the 2018-2020 YSN Workplan.

Session #1: "It's a Small World"

The presentations in this session highlighted the keynote speakers' experiences and described the challenges that they have faced in their career as a result of the changing role of the surveyor under the theme "*Geospatial Information for a Smarter Life and Environmental Resilience*".



Speaker 1:
Khamarrul Azahari Razak, PhD
Malaysia

Climate Change and Disaster Risk Reduction: Roles and contribution of Global Young Academy



Speaker 3:
Rhealyn Dealca
Philippines

Pioneering Use of UAS for Land Surveys in the Philippines



Speaker 2:
Stephanie Michaud
Trimble, USA

Failing Fast: Leveraging Geospatial data for Land Pilot Projects



Speaker 4:
Prof. Hoang Thanh Van
Taiwan/Vietnam

Demonstration Debris flow Prevention technology under climate change in Taiwan

Session #1: Highlights and Insights

The first presentation was **Khamarrul Azahari Razak**, a senior lecturer from Razak School of Engineering & Advanced Technology, Universiti Teknologi Malaysia (UTM). Dr. Khamarrul presented on “Climate Change and Disaster Risk Reduction: Roles and Contribution of Global Young Academy” where he shared an exclusive presentation outlining the global framework, advancing science and technology for disaster risk management.

The second presentation was **Stephanie Michaud**, a Strategic Marketing Manager at Trimble Inc. Stephanie’s presentation was “Failing Fast: Leveraging Geospatial Data for Land Pilot Projects” where he shared her personal and Trimble perspective on major industry trends.

The third presenter was **Rhea Lyn Dealca** from Foundation of Economic Freedom, the Philippine. Engr. Rhea’s presentation was “Pioneering Use of UAV for Land Surveys in the Philippines”, which promoting drones as alternative surveying technique for land surveying and land titling.

The final presentation for this session was **Hoang Thanh Van**, an Assisting Professor from Thai Nguyen University in Vietnam and Feng Chia University, Taiwan. Prof. Hoang presented on “Demonstration Debris Flow Prevention Technology under Climate Change in Taiwan”, sharing her knowledge and experience utilising GIS technology in hydraulic engineering study.



Session #2: “What is Resilience and why does it matter?”

The session was a balance between Young Surveyors and experienced Surveyors sharing their perspective on resilience. We heard stories from local projects, stories of collaboration and contribution to our profession, and learn new skills for resilience.



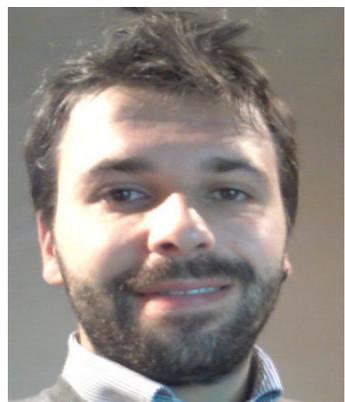
Speaker 1:
Nigel Sellars, RICS, UK

Emotional intelligence –
What is it and how mastering
it can supercharge your
career!



Speaker 2:
Tea Dabrundashvili, FAO

Tenure and Resilience: key
factors for improved
resilience



Speaker 3:
Matteo Tartaglioni, Italy

Laser Scanning in
Speleology



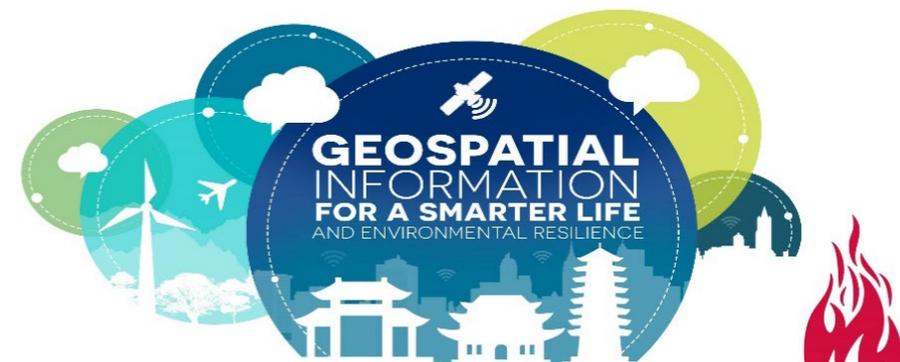
Speaker 4:
Nur Zurairah Abdul Halim
YSN Malaysia

Against the odds and stereotypes



Speaker 5:
Kengo Okada
RIPRO Corporation, Japan

Eco+ Resilience Marker



Session #2: Highlights and Insights

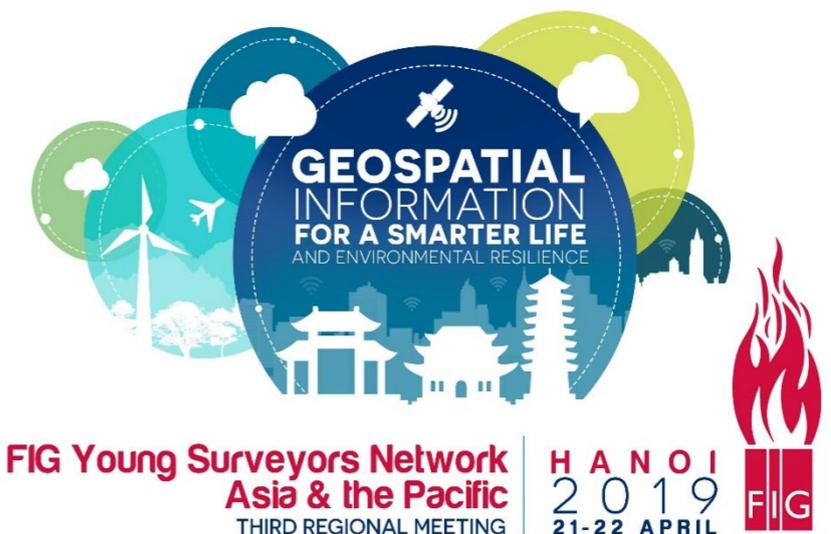
The first presentation for this session was **Nigel Sellars**, from Royal Institution of Chartered Surveyors (RICS), UK. Nigel presented on “Emotional Intelligence - What is it? and how mastering it can supercharge your career!” where he talked about how intelligently you use emotions to get positive results at work.

The second presentation was from **Tea Dabrundashvili**, a Land Tenure Officer from Food and Agriculture Organisation (FAO), UN. Tea’s presentation was “Resilience and Tenure: Key Factors for Improved Resilience” where she address the important of tenure governance and also shared the FAO’s work around the world in protecting and promoting resilient livelihoods.

The third presenter was **Matteo Tartaglino**, a 3D Land Surveyors and Speleologist from Italy. Matteo presented on “The Application on the Laser Scanner in the Speleology” sharing his experiences using 3D laser scanner to survey and exploring the dark caves.

The fourth presenter was **Nur Zurairah Abdul Halim**, a Surveyor from Department of Survey and Mapping Malaysia. Sr Zurairah delivered her presentation with the title “Against the Stereotype and Become the Surveyor You Want To Be”, where she shared her personal experiences and challenges that she have faced in this traditionally male-dominated profession.

The final presentation for this session was **Kengo Okada**, CEO of Ripro Corporation, Japan. Kengo-san talked on “Eco + Resilience Marker” promoting Ripro’s intelligence recycled-plastic marker which utilising IoT communication technology to provide real-time prevention solutions for earthquake and flood disasters as well as tourism promotion via its GIS Tourism RFID Markers.



Speed Dating: Go Figure! In Person



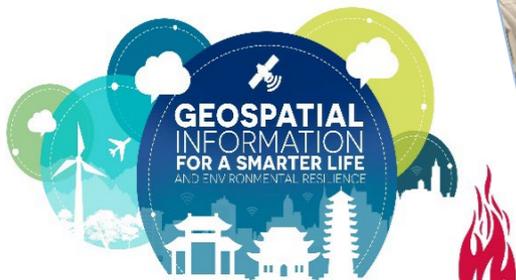
This meeting's "ice breaker" dubbed as "Speed Dating" was organised by **Nur Zurairah Abdul Halim**, YSN Malaysia

It was a "getting to know you" game that asked participants to fill out a form and answered the following questions below:

1. Where are you from? (Name the place, NOT COUNTRY)
2. What would your (REAL AND ACTUAL) talent be if you were Miss or Mister World?
3. Based on your personality, which Marvel or DC character are best to describe you? (You can google them! Hah!)
4. Why are you and not someone else attending the 3rd YSNAP / Working Week?
5. Sketch yourself and give yourself a pseudo name (alias)

Answered forms were collected and redistributed to the participants. During the breaks, all participants were encouraged to chat with everyone and subtly ask questions based on the form until they were confident enough to have found the profile that matches the Go Figure! In Person.

The participant who found a match had to take a selfie with the Go Figure! In Person and upload it to FIG YSN AP Facebook page and type "I have figured (Pseudo Name)" and #GoFigure!YSNAP. Winners were given a special gift.



Session #3: "Enabling a Smarter World"

The session started with the presentation from ESRI on their ArcGIS Web system and the STDM platform that YSN members can avail for free under the YSN ArcGIS Web Account.



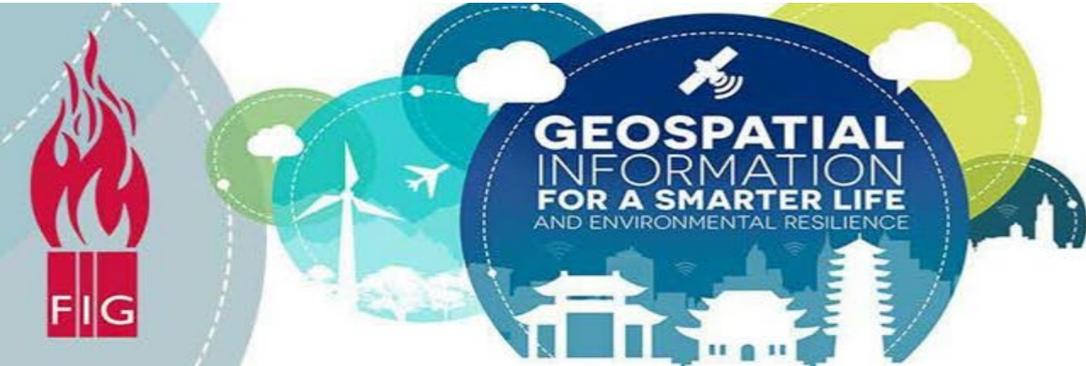
Speaker :
Katherine Smyth
ESRI USA

ESRI Initiative!



Speaker :
Brent Jones
ESRI USA

ESRI Initiative!



Session #3: “Enabling a Smarter World”

The second half of the session covered an interactive panel discussion from invited young surveyors from the corporate world, academia, and government, where Young Surveyors from the meeting and the world over could ask questions via the audience interaction app Sli.do.



Kwabena Asiana
Panel Moderator



Panellists answered these questions:

1. What advice would you give to yourself when you start your surveying profession today?
2. How multidisciplinary can we be in our profession and stay relevant??
3. How can young surveyors break ranks with old guys in surveying toward a smarter world?
4. How do we get government to understand & recognized the scientific contributions of land surveyors in their development of the country?
5. Many countries where smart technologies are needed the most face an inadequacy of resources; how young surveyors can clear this hurdle?



Session #3: Panel Discussion Highlights and Insights

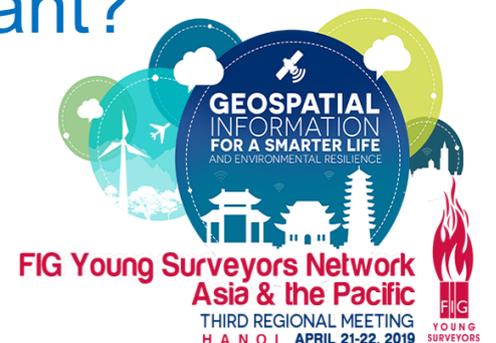
The discussion started with a brief introduction of the panel members starting off with **Alex Harrington**, a young surveyor from New Zealand who manages machine solutions in the Construction Division of Trimble base in the USA. He was followed by **Narelle Underwood**, the young and the first female Surveyor General of New South Wales in Australia. **Katherine Smyth** then spoke afterwards. She is a solutions engineer at ESRI supporting land administration initiatives internationally. **Nigel Sellar**, a young Chartered Surveyor of Royal Institute of Chartered Surveyors (RICS) and **Chetna Ben**, young Assistant Lecturer from The University of the South Pacific in Fiji followed, respectively.

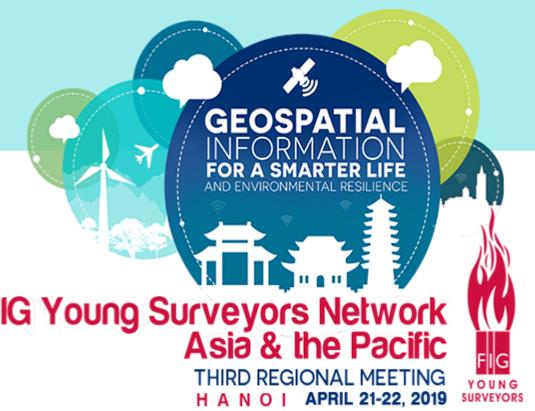
What advice would you give to yourself if you were to start your surveying profession today?

Chetna advised to set a goal and be involved with group members. **Nigel** stressed to be a sponge, be inquisitive and to network and meet like minded individuals. **Katherine** advised to be fearless and take risks, speak your mind and lift each other in a community. **Narelle** pointed the need to Find thing you enjoy doing and build on those skills. Lastly, **Alex** stated that, “If your job sucks, move on”. He pointed out that there are full of opportunities to explore.

Narelle pointed out that working in a cross-discipline team is the key for surveyors to survive long term for the art of measurement is being democratize. Also, the need for surveyors to communicate well with clients and other professionals is the key. **Katherine** stressed that being multi-disciplinary is not a risk but an opportunity to be able to incorporate a lot of ideas. Lastly, **Nigel** stated importance of collaboration and to have the ability to speak the language to able to talk with architects, plumbers, lawyers and other professions.

How multidisciplinary can we be in our profession and stay relevant?





How can young surveyors break ranks with old guys in surveying toward a smarter world?

Nigel stressed the need for juniors should be heard and for having dialogues with seniors like the Junior Leaders' Forum that provides suggestions to senior management. **Chetna** advised the need for partnership and working together. Seniors should encourage the youth to speak their mind and to share their enthusiasm in projects. **Katherine** stated that young surveyors are "Masters of Collaboration" and by leveraging on all skills in "data" can be synthesized to something incredible. **Narelle** pointed out that *"If there is something you can see that need to change, be bold and be part of that change"*. She also added that getting involved in professional networks like FIG YSN and their country's professional organisation can help build their skills and build experiences such as project management and alike; create network, gain knowledge and build profile for oneself so people can start to listen. **Alex** agreed to the point that young surveyors should be involved and added to treat everybody the same.

John Hohol, FIG Foundation President, joined the discussion and shared that young surveyors need to reach out and promote themselves; learn to sell yourself and capabilities and leverage on that age doesn't matter. Change is difficult and not comfortable but you to take that chance.

Brent Jones from ESRI added that the barriers of change are older generation people and the time is right to get young surveyors to be heavily involved in their professional association. Being involved it great one's voice to help one's career but to help the (Surveying) profession, they need to get a collective voice.

Session #3: Panel Discussion Highlights and Insights

How do we get government to understand & recognized the scientific contributions of land surveyors in their development of the country?

Narelle found it to be an interesting challenge to convince politicians the what surveyors do is important. In surveying terminology, she compared NSW's economy like a tripod where the Registrar General tells who owns the land; Surveyor General tells where it is; and the Valuer General tells you how much it worth and upsetting one of those leg as tripod and the economy start falling off. She also added that having a strong professional organisation that is representing a strong profession is what politicians listen to. **Alex** stressed that technology companies have a role to provide support to people who have direct contact and influence on politicians.

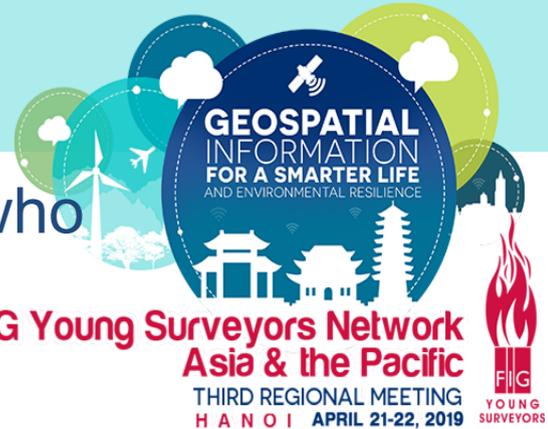
Ruth Trujillo, President of the Institute of Land Surveyors in Puerto Rico admit to be the one who asked the questions. She mentioned her struggles in dealing with the Engineer peers and the politicians of Puerto Rico. **Nur Zurairah Abdul Halim**, of the Royal Institute of Surveyors – Malaysia (RISM), shared how surveyors via RISM through voice out suggestions to policies. RISM will coordinate this through the License Land Surveyor Board and the Authorized Land Surveyors Board which are tasked to present these to the Department of Land and Mapping. The Department then coordinate these proposals to the government (Ministry)

Katherine answered by pointing out the opportunity for collaboration and creativity which ESRI is already starting. She also added that as technology continue to improve, it is now easy to get connected in a mobile state.

Stephanie Michaud from Trimble reminded that its important not to assume everything before designing a solution - not assuming what working in one place will work in somewhere else. She also added to work with local organization by physically being there.

Many countries where smart technologies are needed the most face an inadequacy of resources; how young surveyors can clear this hurdle?

Session #4: "Building blocks for the future!"



This last session showcased updates and sharing from young surveyors who are part of the FIG Young Surveyors Networks in North America, Europe, Africa and South America, and future activities of the YSN in 2019-2020.



Ruth Trujillo
YSN South America



Ogochukwu Izuegbu
YSN Africa



Simone Emens
YSN Europe



Jacob Heck
YSN North America



Ferah Koksal
YSN Europe

Session #4: Highlights and Insights

Jacob Heck from the USA shared information about the FIG YSN North America and the various activities of the chapters and of the young surveyors such as YSN North America Meetings, Local seminars and High School outreach. With the help of John Hohol, we got a brief of the FIG Working Week 2023 in Orlando, Florida.

Ogochukwu Izuegbu shared their various activities as part of the Young Surveyors in Nigeria. **Ferah Koksal** from Turkey shared her journey as young surveyor and as an active member of the organising committee of the FIG Young Surveyors European Meetings. She shared some highlights of the 4th FIG Young Surveyors Conference 2018 in Istanbul, Turkey, the SDSN Youth membership and upcoming IGSM 2019 Warsaw open to international students.

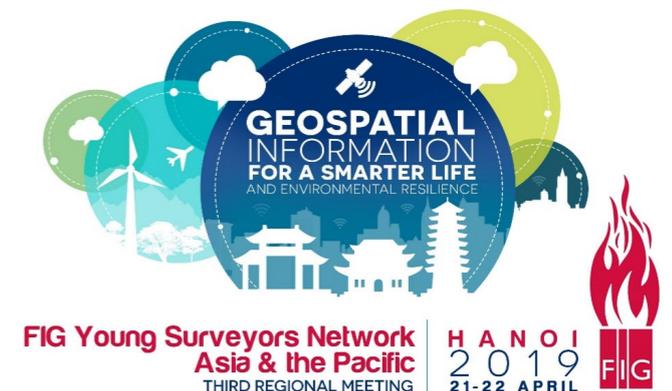
Ruth Trujillo from Puerto Rico shared a presentation regarding their study, initiatives and program that would help encourage the youth to be land surveyors. Her presentation highlighted the struggles she had in dealing with seniors in the profession. Part of the changes she implemented included the rebranding of their Association's logo, set up a Facebook Page, conducted licensing exam review and talks in K-12 Schools using the Get Kids into Survey and the "Sandbox", using sand and lidar technology in projecting topography and illustrating cartography



Featured Speaker :
Ruth Trujillo
Puerto Rico

A Case for Change:
Encouraging New
Land Surveyors"

Simone Emens from Kadaster Netherlands, shared and promoted the 5th FIG Young Surveyors Conference in the Netherlands coming May 2020 with the theme - Reclaim the Future by Mapping the New World. She concluded her talk by inviting participants to look out for announcements for volunteers and for those who want to share and contribute in the upcoming conference in 2020.



Closing Address

At the closing ceremony, the organising committees took the opportunity to express their sincere appreciation and gratitude to the sponsors namely Trimble Inc., Leica Geosystems, Ripro Corporation, ESRI and the FIG Foundation.

Keynote speakers and presenters were given a small token of appreciation alongside the organising committee for the #3YSAPM.

After a series of productive classroom lectures, it was time to relax ourselves, the participants enjoyed the delicious traditional Vietnamese dinner. They also went off-road with a boat cruise to the UNESCO World Heritage Ngo Dong River and visiting the Hao Lu, the ancient capital of Vietnam in the 10th and 11th centuries.

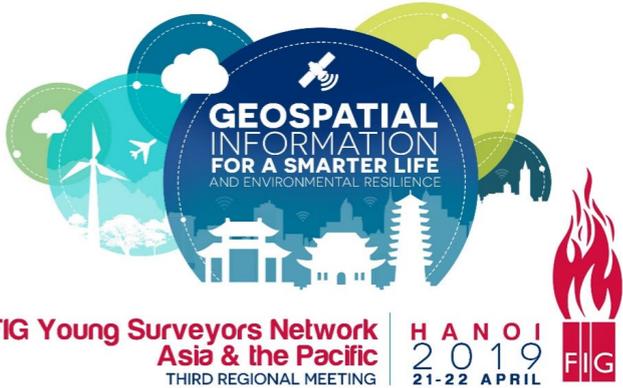
That was not all, we had coordinated the FIG YSN Charity Dance and several sessions in the FIG Working Week 2019 in Hanoi.



Melissa thanked all sponsors for their support in the 3YSAPM



Recognised Participants who asked Questions via Sli.do





TRADITIONAL VIETNAMESE DINNER

Sponsored by



On 21 April 2019, the FIG Young Surveyors Network and Leica Geosystems invited all #3YSAPM participants to attend the evening social function “Traditional Vietnamese Dinner” at Chợ Quê Restaurant which was an excellent opportunity to renew old friendships and make new acquaintances, network with the speakers, sponsors and partners in the heart of Hanoi!



HOA LU – TAM COC ECO-TOUR

Excursion: Exploring the UNESCO World Site

Sponsored by  **Trimble**

On 22 April 2019, about 30 #3YSAPM delegates joined in the eco-friendly tour to the UNESCO World Heritage Sites – the Tam Coc Ngo Dong River Boat Cruise and the Le and Dinh Dynasty Temples .





On 22 April 2019, about 88 FIGWW2019 and #3YSAPM delegates joined and learned the local Vietnamese folk dance from our experienced choreographers. This event was supported by



All proceeds will be given to support



3rd FIG Young Surveyors Asia Pacific Meeting

Special Event

Charity Dance

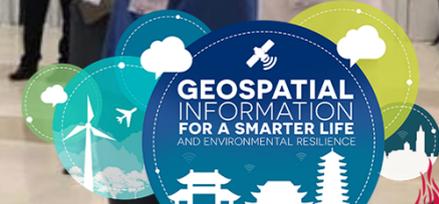


FIG Young Surveyors Network Asia & the Pacific
THIRD REGIONAL MEETING
HANOI APRIL 21-22, 2019



FIG YSN Sessions during the FIG Working Week 2019

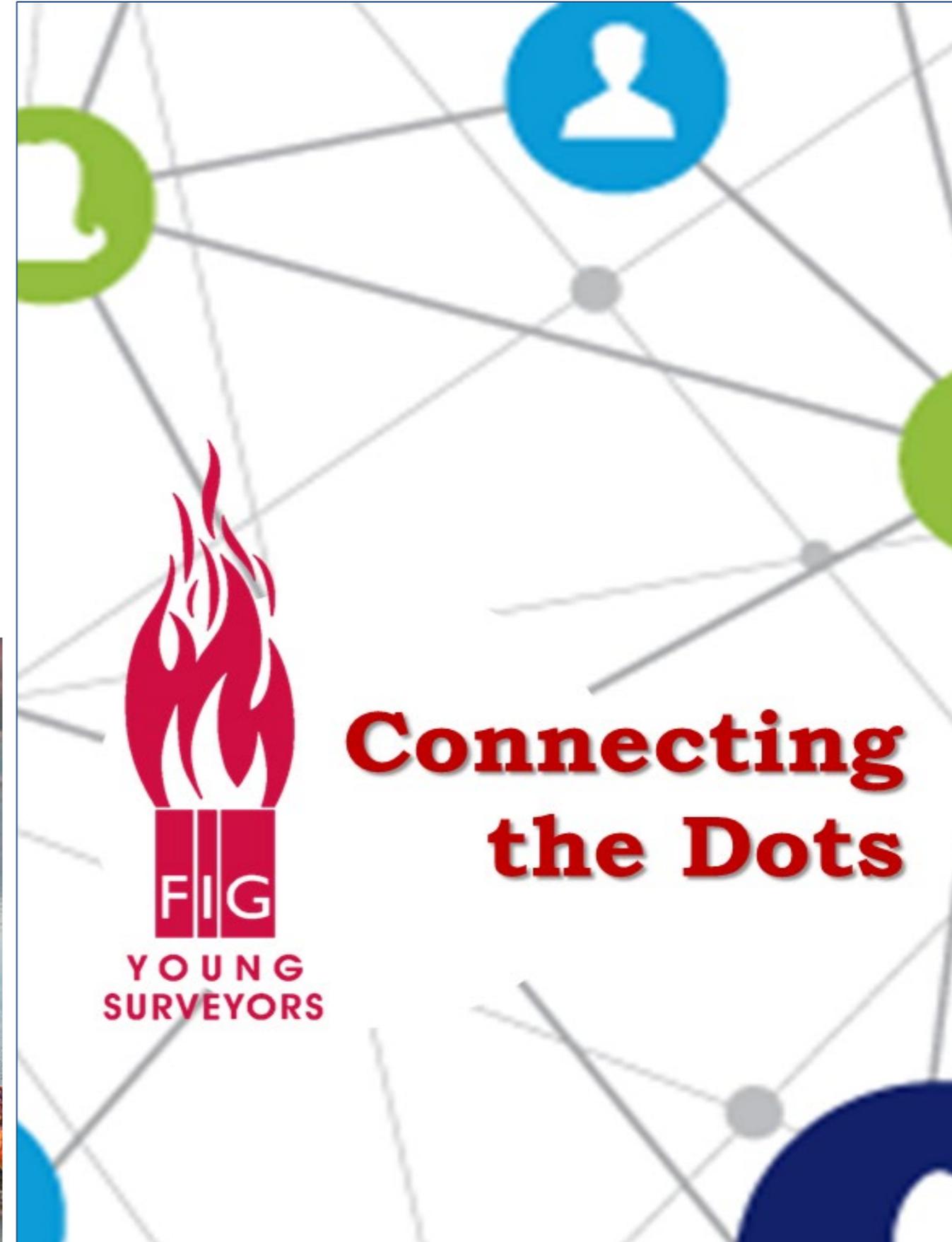


TS01D:
Mapping the Plastic
(a joint session of FIG
Commission 4 & YSN)



**Everyone's Contribution
Counts**

"The Starfish on the Beach"



**Connecting
the Dots**



TS01D: Mapping the Plastics



Mapping the Plastic was a session that co-organised by FIG Commission 4 and FIG YSN. Together with FIG Commission 4, FIG YSN have initiative an outreach program on mapping the marine plastic debris project to support the UN's Sustainable Development Goals (SDGs).

This session was all about the issue of plastic waste measurement in the water bodies using remote sensing, bathymetric, current measurement and topographical surveys along the river banks and coastal zones. All the four presentations have enabled a greater understanding of the quantum of plastic waste being transported to the oceans and inform the control and regulation of land use practices with an ultimate goal of eradicating the dumping of plastics into the water systems.



Connecting the Dots

Connecting the dots was a fun and interactive workshop aimed at identifying the challenges that the surveying industry is facing and finding ways for FIG and the FIG YSN to contribute to ensuring the future of the surveying profession!

During the workshop, 5 questions were asked, and smaller groups were formed to focus on the following topics:

1. How can we encourage people to Volunteer?
2. What do you want to see in Conference?
3. How should we communicate to People?
4. What is your elevator pitch to Surveying?
5. How do we increase student numbers?

Some of the key things identified were:

- Workshops/trainings focus on soft skills like public speaking/communication.
- Programs to encourage the youth to take up surveying and related studies like survey competitions
- Continued use of social media platforms to communicate with people
- Ways to encourage and develop the spirit of volunteerism

These ideas will be used as starting points for further discussion about the future of our network during the upcoming 5th YSC as well as other YSN regional meetings.



Everyone's Contribution Counts

It's our **FIRST** Plenary! - The FIG Young Surveyors Network has established since 2006, and 13 years on it is a thriving Network with ideas and energy to disperse into the main body of FIG.

The theme, Everyone's Contribution Counts aimed to inspire all FIG delegates from around the globe to contribute their knowledge and skills, in some way, for the betterment of the profession and environment.

Firstly, Chair of YSN presented with an overview of the past YSN events from all around the world. She then delivered the story of "The Starfish on the Beach" followed by a Young Surveyor from each region talking about their contribution to the future of the profession, and what they have achieved by being involved with FIG.



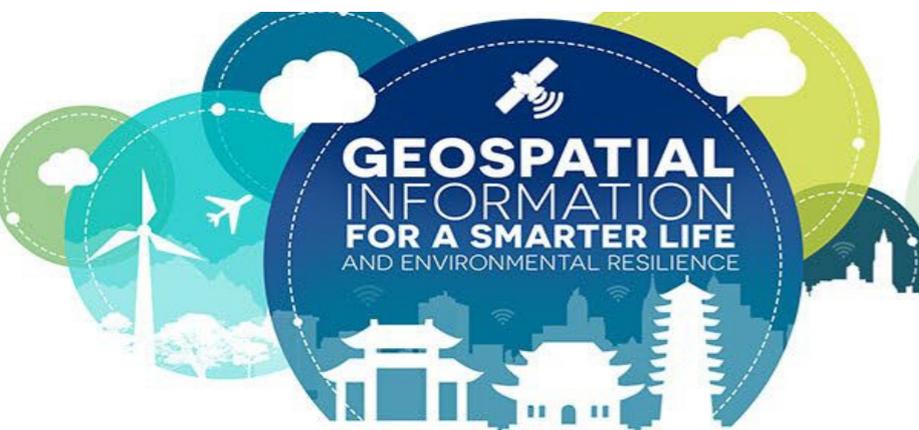
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**FIG Young Surveyors Network
Asia & the Pacific**
THIRD REGIONAL MEETING

HANOI
APRIL 21-22, 2019



International
Federation of
Surveyors (FIG)



Vietnam Association of
Geodesy, Cartography
and Remote Sensing (VGCR)

#4YSAPM Organising Committee

FIG Young Surveyors Network



Melissa Harrington
[NZ/USA]



Kwabena Asiamah
[Ghana]

Program & Activities



Kelvin Tang Kang Wee
[Malaysia]



Nur Zurairah Abdul Halim
[Malaysia]

Sponsorship



Robert Mears
[New Zealand]

LOC Representatives



Donmarl Camua
[Australia/Philippines]
[FIG YSN-AP]



Nguyen Ngoc Bang
[Vietnam LOC]



Thanh Van Hoang
[Vietnam/Taiwan]



Nigel Sellars
[United Kingdom]



Malakai Vakautawale
[Fiji]

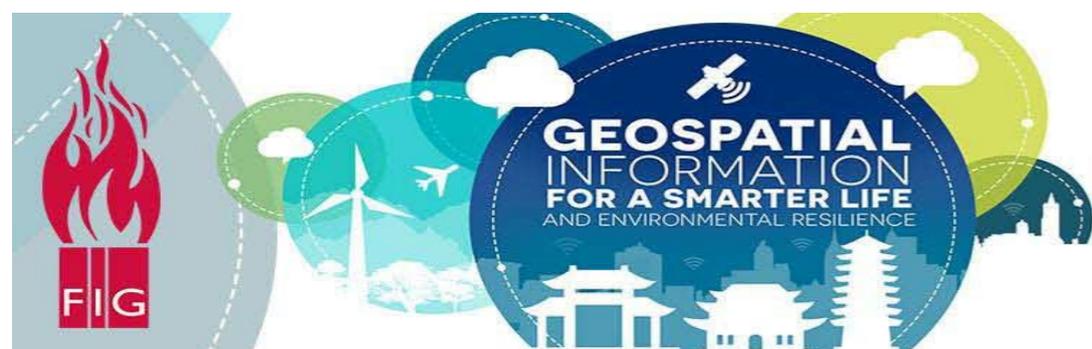


FIG Young Surveyors Network
Asia & the Pacific
THIRD REGIONAL MEETING

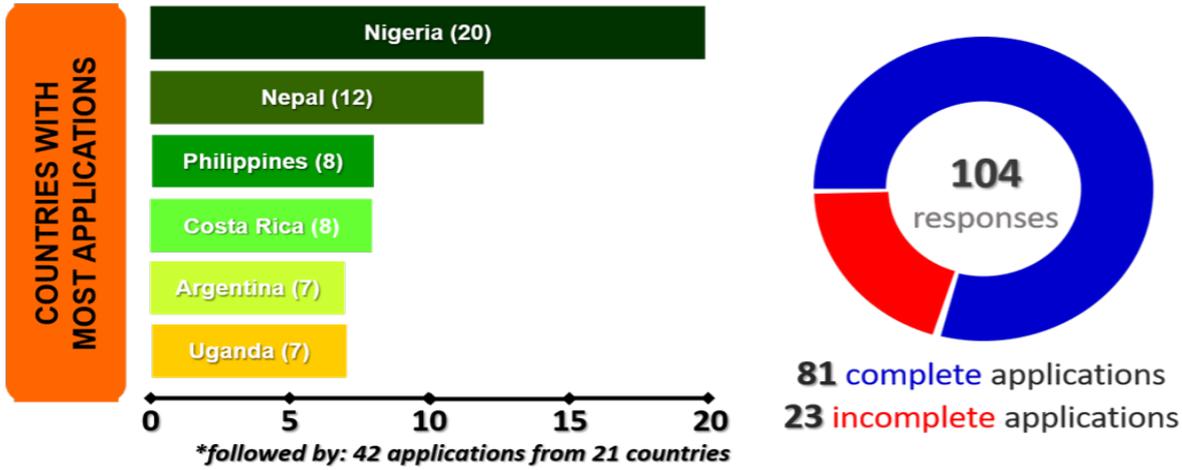
H A N O I
2019
21-22 APRIL





The FIG Foundation Grant Award 2019

40 days to apply
 104 responses
 27 countries
 4 recipients



[f](#) @FIG Young Surveyors @Young Surveyors Network Asia Pacific
[i](#) #3YSAPM #figyoungsurveyors
[t](#) @fig_young
[in](#) @FIG Young Surveyors Network



This year, we had received a hundred quality applications from around the world. After going through the tedious reviewing process, we present to you the four (4) FIG Foundation Grant Award Recipients.



Congratulations to the FIG Foundation Grant Recipients for the 3rd FIG Young Surveyors Asia and the Pacific Meeting and the 2019 FIG Working Week!!!
Annika Avila (Philippines), Romina Leiva (Argentina), Ogochukwu Izuegbu (Nigeria) and Ruth Trujillo (USA)

A big thank you to everyone who applied for the FIG Foundation Grant to attend the 3rd FIG Young Surveyors Asia and the Pacific Meeting and the 2019 FIG Working Week in Hanoi, Vietnam!



FIG Young Surveyors Network Asia & the Pacific
 THIRD REGIONAL MEETING

HANOI
2019
 21-22 APRIL





FIG Young Surveyors Network Asia & the Pacific

THIRD REGIONAL MEETING

H A N O I
APRIL 21-22, 2019



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