

FIG Young Surveyors Asia & the Pacific In Regional Meeting (21 - 22 April 2019) Program Booklet

#3YSAPM







InterContinental Landmark 72



Keangnam Hanoi Landmark72 Tower Plot E6, Cau Giay New Urban Area, Me Tri Ward, Nam Tu Liem District, Hanoi, Vietnam Phone Number: <u>+84 24 3698 8888</u>

Don't forget to...

Turn to the back of this booklet for all you need to know about:

- The #3YSAPM Organizing Committee
- Our Sponsors
- FIG
- The FIG Foundation and Grant Recipients for 2019
- Vietnam Association of Geodesy, Cartography and Remote Sensing (VGCR)
- Hanoi
- FIG YSN Asia and the Pacific
- Our Past Events



Welcome to the 3rd Young Surveyors Asia and the Pacific Meeting in Hanoi, Vietnam, where a new experience awaits. We are excited to host this two day event that provides 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. Join us to connect and learn 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.







In

Day 1 : 21 APRIL 2019 (Sunday)

| 8:30-9:00 | Registration | |
|--------------------------------|---|--|
| 9:00-09:30 | Welcoming Addresses | |
| 09:30-09:45 | Group Photo | |
| 09:45-10:30 | FIG YSN & FIG Foundation | |
| 10:30-11:00 | Coffee Break + Speed Dating | |
| 11:00-12:00 | Session 1: "It's a small world" | |
| 12:00-13:00 | Session 2: What is Resilience and why does it matter? | |
| 13:00 - 14:00 | Lunch | |
| 14:00 - 15:00 | Session 3: Enabling a Smarter World | |
| 15:00 - 15:30 | Afternoon Tea | |
| 15:30 -17:00 | Session 4: YSN AP - Building blocks for the future! | |
| 17:00 - 18:00 | Closing Address | |
| 19:00 - | Late Social Function/Cultural Evening | |
| | | |
| Day 2 : 22 APRIL 2019 (Monday) | | |
| 07:00 - 16:20 | Ess Transfer UNECCO West all the site as | |

- 07:00 16:30 Eco-Tour to UNESCO World Heritage Site
- 16:30 18:30 FIG YSN Charity Event

For more information, please visit us: http://www.fig.net/fig2019/youngsurveyors.htm









Opening Ceremony

SUNDAY 21 APRIL 2019

09:00–10:30 Room Hanoi 2+3, 5th Floor InterContinental Landmark 72



Mr. Trinh Anh CO [Vietnam] FIG WW 2019 Co-Conference Director











Mr. John Hohol [USA] President FIG Foundation



Donmarl Camua [Australia/Philippines]



Dr. Rudolf Staiger

[Germany]

President

International Federation of

Surveyors (FIG)

Mellissa Harrington [USA]

FIG Young Surveyors Network

FIG Young Surveyors Network

Asia & the Pacific THIRD REGIONAL MEETING

> HANOI APRIL 21-22, 2019



Kwabena Asiama [Ghana]







SUNDAY 21 APRIL 2019

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

The phrase "It's a Small World" is used when you have encountered the same people, events, or situations.

The Asia Pacific region is one of the largest and most diverse regions in the world, however there are many common challenges and opportunities; making the world that much smaller.

The #3YSAPM welcomes invited guests to present and discuss the meeting theme "*Geospatial Information for a Smarter Life and Environmental Resilience*".

11:00-12:00

Room Hanoi 2+3, 5th Floor

InterContinental Landmark 72 The format of this session will involve formal presentations, followed by a facilitated panel discussion!

Session I: Meet our Keynote Speakers

#1: Disaster Risk Management

Khamarrul Azahari Razak is currently a senior lecturer at UTM Razak School of Engineering and Advanced Technology, Universiti Teknologi Malaysia (UTM) Kuala Lumpur. He received a PhD from Utrecht University.

In 2013, he was awarded the Top 11 Young World Geomorphologist given by the International Association of Geomorphology in Cite des Science de La Villette, Paris, France, and nominated as Who's Who in the World by Marquis Who's Who, USA, in 2014. He has published many research and technical articles at international and national levels.





#2: Failing Fast: Leveraging Geospatial data for Land Pilot Projects

Stephanie Michaud is a professional Geomatics Engineer responsible for the strategic direction and execution of Geospatial product lines as applicable to the Land Administration customer segment.

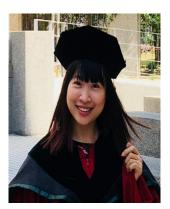
She has worked for Trimble since 2011, and has held positions in Survey, GIS, Agriculture, and Land Administration divisions. Stephanie holds a degree in Geomatics Engineering from the University of Calgary in Canada.

#3: Pioneering Use of UAS for Land Surveys In the Philippines

Rhea Lyn Dealca holds a M.Sc in Land Management and Land Tenure from Technische Universitaet Muenchen in Munich, Germany and a Bachelor of Science in Geodetic Engineering from the University of the Philippines, where she also obtained her Diploma in Urban and Regional.

She is currently active in helping out the Geodetic Engineers of the Philippines-National Capital Region serving as its Executive Secretary.





#4: Demonstration Debris Flow Prevention Technology under Climate Change in Taiwan

Thanh -Van, Hoang holds 2 Bachelor degree (major in Geography & English), and M.Sc degree (Vietnam), and Doctor of Engineering (Civil & Hydraulic Engineering) (Taiwan).

She has over 10 years of teaching, and research experience in the university. Currently she is working as a full-time Assistant Professor of both universities, Thai Nguyen University in Vietnam (Geography Department) and Feng Chia University, Taiwan (GIS Research Center).



SUNDAY 21 APRIL 2019

Session #2: What is Resilience & Why does it matter?

Resilience is the ability to recover from setbacks, adapt well to change, and keep going in the face of adversity. It applies to all facets of life, and during this session we will learn about the various forms of resilience and why it is important!

This session will be a balance between Young Surveyors from the Asia Pacific Region and experienced Surveyors sharing their perspective on resilience.

12:00-13:00

Room Hanoi 2+3, 5th Floor

InterContinental Landmark 72 We will hear stories from local projects, stories of collaboration and contribution to our profession, and learn new skills for resilience. This session will inspire and encourage participants to be a part of the network, seize opportunities and at the same time give back to society.





#1: Emotional intelligence – What Is It? And How Mastering It Can Supercharge Your Career!

Nigel Sellars is currently Associate Director of International Standards at RICS, the global professional body promoting and enforcing international standards in the built environment. Nigel leads and manages a range of RICS industry forums, whose function is to monitor market trends/ industry issues, shape industry best practice, raise standards and develop policy; achieved through extensive collaboration with subject matter experts, industry influencers and public consultation.

#2: Tenure and Resilience: key factors for improved resilience!

Tea Dabrundashvili is the Land Tenure Officer at the HQ of the Food and Agriculture Organization of the United Nations (FOA). She has over 20 years of professional experience. She received her Master of Science degree from the Technical University of Munich, Germany. After completing the Master of Land Management and Land Tenure her experience as First Deputy Chairmen of the State Department of Land Management of Georgia (SDLM) and later as First Deputy Chairmen of the National Agency of Public Registry of Georgia (NAPR) included major reforms carried out in the country for land policy, land administration and land management.





#3: The Application of the Laser Scanning in Speleology

Tartaglini Matteo is an Italian land surveyor, specialized in 3D laser scanner and topography. He is a member of YSN since the beginning attended the 1st FIG Young Surveyors Conference in Rome (2012) and the 1st FIG Young Surveyors European Meeting in Lisbon (2013). In love with his surveying job, and always looking for new life experience especially in foreing countries with important projects. He also has huge passion for speleology, and for travels.

#4: Against the Odds and Stereotypes

Nur Zurairah Abdul Halim holds a degree in B.Eng (Hons) Geomatics and M.Sc (Built Environment) from Universiti Technologi Malaysia and Universiti Technologi MARA, Malaysia. She is the founder of the YSN Malaysia and among the pioneers to set up the FIG YSN Asia & the Pacific in 2014. Professionally, she is a surveyor at the Department of Survey and Mapping Malaysia, with more than 10 years of experience in the Cadastral Survey domain, specifically in Multipurpose Cadastre and 3D City Modeling.





#5: Eco+ Resilience Marker

Kengo Okada is the CEO of RIPRO Corporation, Japan. RIPRO Corporation is Japan's largest manufacturer of survey markers and sells to over 60% of the market. RIPRO's clients include surveyors, the Japanese Government, local governments and some of the largest railroad, utility and transportation companies in Japan.



SUNDAY 21 APRIL 2019

14:00-15:00

Room Hanoi 2+3, 5th Floor InterContinental Landmark 72

Session #3: Enabling a Smarter World

We are now living in a world that is constantly changing! How can we as young surveyors use our skills to move beyond the information age and enable a smart world?

First, we will hear about the initiative made by ESRI, which enables 100 active YSN members access globally to ArcGIS Online and then follows by a panel discussion focussing on the power of geospatial information, technology and the future of resilience.

Join us #3YSAPM for an interactive panel discussion session!

Session 3: Meet the Speaker!



#1: ESRI Initiative!

Katherine Smyth is a Solution Engineer for ESRI based in Washington DC. Her work has focused on designing configurable and scalable geospatial workflows to meet the data collection, management, analysis and sharing needs from Fit for Purpose to the Cadastral Office.

She is currently working on extending property valuation workflows to include spatial data. Katherine holds an MSc in GIS from the University of Redlands.

Our Moderator!

#Enabling a Smarter World

Kwabena Asiama is the vice-chair of FIG Young Surveyors Network. He is currently a PhD candidate at the Dept. of Urban and Regional Planning and Geo-Information Management at ITC, University of Twente. His research focuses on developing a responsible land consolidation approach for customary lands based on innovative approaches to land administration.

He acquired his Bachelor of Science in Land Economy from the Kwame Nkrumah University of Science and Technology, Ghana in 2012. He then undertook his one year compulsory national service working with the Land Access Department of Newmont Ghana Gold Ltd, that handled land acquisitions, compensation negotiation and payment, and community relations. In 2015, he graduated with an MSc. from ITC, specializing in land administration. In the same year, he joined ITC as a PhD candidate.

Kwabena's background includes land valuation (with a focus on largescale land acquisitions and compensation), land governance, and innovation approaches to land administration.





| SUNDAY | Session #4: Building blocks for the future! |
|---------------|---|
| 21 APRIL 2019 | Now let's shape our future, the future of the YSN |

Asia and the Pacific Region.

Where do we go from here? Join us for a region specific goal setting session. Together we will record our goals and objectives for the future of YSNAP Network!

15:30-16:30

Room Hanoi 2+3, 5th Floor

InterContinental Landmark 72 Young Surveyors attending #3YSAPM will build upon connections made during the meeting, and learn how to positively influence the future of our network in a changing world.

To infinity and beyond....

The way forward.....

Session #4: Building blocks for the future!

@FIG Young Surveyors Network

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@fig_young

- □ Work Plan Activity (2019-2021)
- □ FIG Young Surveyors Network
- Get Kids into Surveying
- Upcoming Events
- YSN ESRI ArcGIS Online





TRADITIONAL VIETNAMESE DINNER



SUNDAY 21 APRIL 2019

Social Function: Traditional Vietnamese Dinner (Sponsored by Leica Geosystems)

The FIG Young Surveyors Networks and Leica Geosystems invite all #3YSAPM participants to attend the late social function "Traditional Vietnamese Dinner" at Chợ Quê Restaurant.

With a warm atmosphere, all registered #3YSAPM delegates will experience the traditional Vietnamese sumptuous food and beverages.

19:00+This is an excellent opportunity to renew oldChọ Quêfriendships and make new acquaintances as you are
welcomed to Hanoi. Network with the speakers, along
with our sponsors and partners in the heart of Hanoi!

Note: Please bring your registration badge!

Address: Số 1 ngõ 163 Phố Hoàng Ngân, Trung Hoà, Cầu Giấy, Hanoi. (21.01°N; 105.80°E)



HOA LU - TAM COC ECO-TOUR STrimble.

Excursion: Exploring the UNESCO World Site MONDAY (Sponsored by Trimble) 22 APRIL 2019 This is an eco-friendly tour to the UNESCO World Heritage Site for all registered #3YSAPM delegates. First, visit to Tam Coc, venture off-road with a boat cruise around the karst cliffs, lush rice paddies and atmospheric caves along the Ngo Dong River. Buffet lunch is set at a local restaurant serving you 07:00-16:30 the typical Vietnamese cuisine. Meet at Vietnam Continue your journey to Hoa Lu, the ancient capital National of Vietnam in the 10th and 11th centuries, and Convention explore the historical city on a guided tour, admiring Center (NCC) its ancient Le and Dinh dynasty temples.

Note: Pickup/drop off @ NCC & bring your badge!

3rd FIG Young Surveyors Asia Pacific Meeting Special Event



FIG YSN CHARITY DANCE



MONDAY 22 APRIL 2019

Charity Event: Vietnamese Traditional Dance (Sponsored by Trimble)

Join us for the FIG YSN Charity Dance.

The FIG Young Surveyors Network is continuing the tradition of being active and donating to charity. This year, we will not be running instead, we will be dancing in the heart of Hanoi!

Vietnam National Convention

Center (NCC)

16:30-18:30

All of our #3YSAPM participants are invited to learn the local Vietnamese folk dance from our experienced choreographers.

Cost: 10 Euro per person - you'll get a souvenir!

Beneficiaries







Thank you for participating in the #3YSAPM! We hope you were inspired by the presentations relating to the theme "Geospatial Information for a Smarter Life and Environmental Resilience" and by the people and friendships you made!

We look forward to seeing you at another FIG Young Surveyors event! You can find a list of upcoming events at the back of this booklet.

But wait there is more...

That's not all from us for the #3YSAPM, the following section is going to highlight some of the sessions coordinated by the FIG YSN in the FIG Working Week 2019!

What is fun in the FIG Working Week?

The FIG Working Week, is an exciting week-long conference that brings the international community of surveying and spatial professionals together.

Scientists, experts, policy and decision-makers, students, and stakeholders are invited to join the discussions on issues affecting the international surveying and spatial community today and in the future.

For more information, please visit: http://fig.net/fig2019/









TUESDAY 23 APRIL 2019

Speed Networking

Prepare your name badges, business cards, and notebooks! Join the FIG Young Surveyors Network for some speed networking over the lunch break!

This event is open to everyone, and is a great opportunity to meet members of the Young Surveyors Network, FIG Commission Chairs and Conference Delegates at the start of the FIG Working Week.

The format for speed networking will be a "round robin." The event leader will ring a bell, to indicate the beginning and end of each round. Once the round begins, you will introduce yourself and your purpose for being there, share your interests in surveying and any other relevant information! At the end of the formal "round robin" there will be the opportunity for open networking to continue a conversation, or for meeting someone new.



12:30–13:30 PHÒNG KHÁNH TIẾT (Banquet Hall)

Vietnam National Convention Center (NCC)

TUESDAY 23 APRIL 2019

TS01D: Mapping the Plastic (FIG Commission 4 & YSN)

This session highlight the study carries out on the issue of waste measurement in the water bodies using remote sensing, bathymetric, current measurement and topographical surveys of plastic waste along the banks of rivers.

14:00–15:30 GEO-PLUS ROOM (252bc)

Vietnam National Convention Center (NCC)

The presentation will enable 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 river systems.



| TUESDAY | Connecting the Dots |
|---------------|---|
| 23 APRIL 2019 | Where are we as an industry going? How do we get there? What challenges are we currently facing? Let's connect the dots, and plan for the future. Join the FIG Young Surveyors Network in a fun |

Join the FIG Young Surveyors Network in a fun an interactive workshop aimed at identifying the challenges that the surveying industry is facing, and finding ways for FIG and the FIG Young Surveyors to contribute, ensuring the future of the surveying profession!

16:00-17:30 ArcGIS ROOM (210a)

Vietnam National Convention Center (NCC)

During the workshop, questions will be asked and smaller groups will be formed to focus on a particular topic. From here, action items will be noted for FIG and the FIG Young Surveyors Network.



THURSDAY 25 APRIL 2019

Plenary Session 3: A smarter life and environmental resilience through initiatives

Everyone's Contribution Counts

The FIG Young Surveyors Network was established in 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 aims to inspire FIG delegates to contribute their knowledge and skills, in some way, for the betterment of the profession and environment.

09:00–10:30 Room #318 Vietnam National Convention Center (NCC) The Young Surveyors will tell the story of "The Starfish on the Beach" followed by members of the Young Surveyors Network on their contribution to the future of the profession, and what they have achieved by being involved with FIG.



#4YSAPM Organising Comittee



Donmarl Camua [Australia/Philippines]



Melissa Harrington [NZ/USA]



Kwabena Asiama [Ghana]



Kelvin Tang Kang Wee [Malaysia]



Nur Zurairah Abdul Halim [Malaysia]



Thanh Van Hoang, Rebecca [Vietnam/Taiwan]



Robert Mears [New Zealand]



Nigel Sellars [United Kingdom]

THIRD REGIONAL MEETING

ΗΑΝΟΙ APRIL 21-22, 2019



Malakai Vakautawale [Fiji]











Nguyen Ngoc Bảng Vietnam LOC



Trimble Inc. [USA]



Leica Geosystems [Switzerland]



FIG Foundation [Denmark]



RIPRO Corporation [Japan]



ESRI [USA]





The International Federation of Surveyors (FIG) is an international, nongovernment organization whose purpose is to support international collaboration for the progress of surveying in all fields and applications.

FIG is the premier international organization representing the interests of surveyors worldwide. It is a federation of the national member associations and convert the whole range of professional fields within the global surveying community. It provides an international forum for discussion and development aiming to promote professional practice and standards.

FIG was founded in 1878 in Paris and was known as the Federation Internationale des Geometres. This has become Anglicized to the International Federation of Surveyors. It is an UN-recognized nongovernment organization (NGO), representing more than 120 countries throughout the world, and its aim is to ensure that the disciplines of surveying and all who practice them meet the needs of the markets and communities that they serve.

For more information about FIG, its vision, and its members have a look at their website: <u>http://www.fig.net/</u>



FIG Commissions

FIG's technical work is led by ten commissions. Each member association appoints a delegate to each of the commissions. Detailed information on the work of the commissions, The commissions prepare and conduct the programme for FIG's international congresses, held every four years, and annual working weeks, held in the intervening years.

Commission 1: Professional Standards and Practice Commission 2: Professional Education Commission 3: Spatial Information Management Commission 4: Hydrography Commission 5: Positioning and Measurement Commission 6: Engineering Surveys Commission 7: Cadastre Commission 8: Spatial Planning and Development Commission 9: Valuation and the Management of Real Estate Commission 10: Construction Economics and Management

Each member associate appoints a delegate to each of the commissions. Detailed information on the work of the commissions, their work plans, working groups, seminars, newsletters and publications can be found on the FIG website: <u>http://www.fig.net/</u>



FIG Young Surveyors

The FIG Young Surveyors Network (YSN) has come quite a long way since its establishment in Munich in 2006. The contribution to the work of FIG and it's 10 commissions is the core of the YSN. Ensuring that Young Surveyors are well represented and active in the FIG Commissions is imperative.

The YSN organize various events such as meetings, workshops, conferences and trainings all over the world. Some of these events are recognized by and organized in cooperation with leading associations like UN-Habitat, World Bank, FAO and CLGE. These co-operations and partnerships are key in showing that it is our generation who are the ambassadors and agents of change. Cooperating with world-leading businesses and sponsors enables us to inform and show future and up to date technology. The presence in media through publishing articles, statements and comments in magazines, social media and forums leads to worldwide recognition of the YSN.

For more information about the YSN and the current workplace visit our homepage on the FIG website.



FIG Foundation

The FIG Foundation is an independent body within the International Federation of Surveyors (FIG), which has the primary purpose of raising funds to finance educational and capacity building projects and scholarships. As such, the FIG Foundation endorses and encourages research in all disciplines of surveying while promoting high-standard training, education, and professional development. It also promotes the Surveying profession and all its facets, in developing countries and countries in transition.

In the last few years, the FIG Foundation has been fostering the role of Young Surveyors within the profession and the FIG by seed-funding conferences, meetings and exchanges, in cooperation with international agencies such as the United Nations.

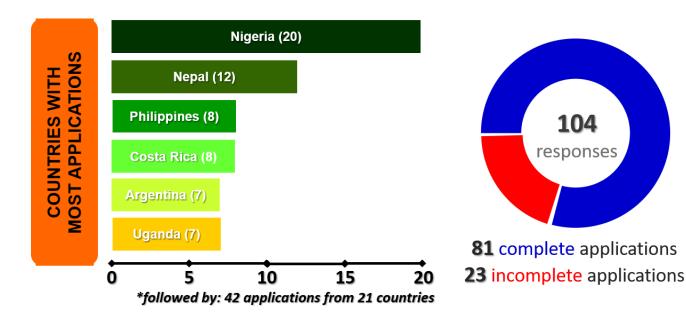
In fact, every year since its inception in 2001, the FIG Foundation offers grants and scholarships to promote education, training, capacity building and continuing professional development. As of today, the FIG Foundation has awarded 106 grants to deserving Young Surveyors, for a total funding of almost €.225.000.00.



THE FIG FOUNDATION

The FIG Foundation Grant Award 2019

40 days to apply
104 responses
27 countries
4 recipients







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!







Vietnam Association of Geodesy Cartography and Remote Sensing (VGCR)

Viet Nam Association of Geodesy, Cartography and Remote Sensing (VGCR) is a non-government organization, which has purposes to support professional activities of surveying and mapping in all fields and applications. It is a professional association of surveyors working in geodesy, land survey, hydrographic survey, cartography, remote sensing from the whole of Viet Nam.

VGCR was established on 20th December 1989. The overall vision of the VGCR is to propagate professional knowledge and expertise to upgrade competence of its members and to awake people on the role and contribution of the profession for the socio-economic development, environment protection and the guard of the social safety. VGCR is a full member of The Vietnam Union of Scientific-Technical Associations (VUSTA). Since 1994,VGCR became the national association member of FIG.

VGCR has an Office, 3 Institutions which provide commercial services and Magazine "Surveying and Mapping". From the time of establishment, VGCR's activities are focused on national collaboration for the progress of profession through the scientific research, technology development, training, public awareness, etc. These activities include organizing the conferences, forums, workshops, seminars in national, regional and international range for professional discussion and development, promoting the professional consultancy and service, carrying out the inspection, supervision for important projects related to the fields of surveying, mapping and geomatics.

For more information, please visit: www.vgcr.vn/



of Geodesy Cartography and Remoted Sensing

Hanoi - City of Peace

Welcome to Hanoi. The streets surge with scooters vying for right of way amid the din of constantly blaring horns, and all around layers of history reveal periods of French and Chinese occupation – offering a glimpse into the resilience of ambitious, proud Hanoians.

Negotiate a passage past the ubiquitous knock-off merchants and you'll find the original streets of the Old Quarter. Defiant real-deal farmers hawk their wares, while city folk breakfast on noodles, practise t'ai chi at dawn on the shores of Hoan Kiem Lake, or play chess with goateed grandfathers.

Dine on the wild and wonderful at every corner, sample market wares, uncover an evolving arts scene, then sleep soundly in a little luxury for very little cost. Meet the people, delve into the past and witness the awakening of a Hanoi on the move.



FIG Young Surveyors Asia & the Pacific

During the XXV FIG Congress (FIG Congress 2014) the FIG Young Surveyors Asian & the Pacific Network (YSNAP) was established. 18 countries were represented during this event and after the country reports and a forum discussion the goals for the Asian & the Pacific network were identified:

- □ A network strengthening program
- Identify opportunities for collaborative events in the region
- Establish a regional social media platform on Facebook <u>https://www.facebook.com/groups/ysnap</u>
- Capacity development of Young Surveyors focussing on challenges in the Asia Pacific Region
- Exploring funding opportunities to support the events organised by the YSNAP

The FIG YSN Asian & the Pacific Network is a very active, lively and vibrant Network. There are a lot of meetings and activities already planned for the upcoming years. So stay tuned and involved!







1st **FIG YSN-AP Meeting** Kuala Lumpur, Malaysia 20 June 2014



2nd FIG YSN-AP Meeting Tokyo, Japan 15-16 June 2018



Please visit: <u>http://fig.net/organisation/networks/ys/regional_networks/asia_pacific.asp</u>

1st YSAPM in Malaysia!







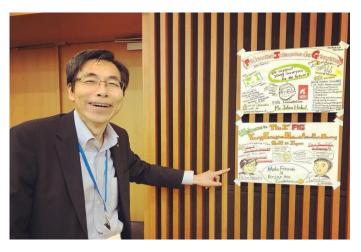


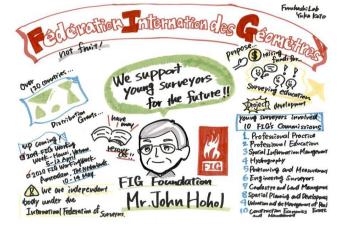


2nd YSAPM in Japan!

FIG Young Surveyors Network Asian Pacific Meeting 2018 in Japan













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#3YSAPM #figyoungsurveyors

@fig_young



@FIG Young Surveyors Network



fig.youngsurveyors@gmail.com