GREETINGS YOUNG PROFESSIONALS AROUND THE WORLD

The FIDIC International Infrastructure Conference was held in Dubai, UAE from September 13 to 15, 2015. It was a pleasure for me to meet a lot of YPs from all around the world gathered there; and I am so pleased to report that, as in previous years, FIDIC YPF activities during the FIDIC 2015 Conference were a huge success, full of joy and improved experience. The YP program in Dubai included a “YP Meet and Greet” event, the “YP Open Forum”, a “Breakfast with the FIDIC Executive Committee”, and “Technical tours”.

Five Steering Committee (SC) members reported to members of the Forum and FIDIC members on YPF achievements for 2014-2015. They also presented a plan to emphasize the importance of YP groups in our industry. More details in this respect are available in the FIDIC 2015 Conference report in this newsletter.

It is an honour for me to announce that my colleagues in the FIDIC YPFSC have prepared a business plan for the first FIDIC YP AWARDS event. This was approved by the FIDIC EC, and it is ready to be launched in 2016. You can find more information in the YP AWARDS report in this newsletter, or please visit our webpage at: http://fidic.org/node/9114

Our goals for the coming year are:

- Elect the YP of the Year at the next FIDIC YP Awards that will take place during the FIDIC International Conference in Marrakesh, Morocco in September 2016;
- Expand the YPF communication network and identify new and better ways to communicate;
- Expand Social Media communication and sub-committee activities,
- Liaise more with regional YPF groups (EFCA, GAMA, and ASPAC) on common initiatives and share knowledge between YPF groups; and
- Provide extended support to YPs and MAs who wish to start their own YPF.

Please share with us your ideas and suggestions, and help us to achieve these goals to strengthen YPs’ impact in the industry,

We are the world’s future leaders. Let’s make a better world now!

Enjoy the Newsletter!

Manoochehr Azizi
FIDIC YPFSC Chairman
FIDIC INTERNATIONAL INFRASTRUCTURE 2015 CONFERENCE-DUBAI

FIDIC Best Business Practice Forum, September 13th 2015

FIDIC Annual International Infrastructure Conference in 2015 started by FIDIC Best Business Practice Forum, describing the latest activities and achievements of FIDIC during the last year through the following panels:

Panel 1. Young Professionals (YPs) Open Forum, This panel was moderated by Nader Shokoufi, the former chair of YPFSC. The following presentations were presented:

A. FIDIC YPF (by Manoochehr Azizi, the chairman of FIDIC YPFSC), Presented an introductory report on FIDIC YPF including the background, vision, current activities as well as the goals for the coming year. He highlighted the followings:

- There is not any members in the steering committee from South America and Australia;
- YPFSC activities were discussed;
- YP programs during the conference including YP open forum, YP meet and greet, meeting FIDIC EC and YP technical tour were presented;
- Young Professionals (YPs) award starting in 2016 was introduced; and
- "Expansion of the Role of the YPs" through 5 categories was mentioned as the main goal for the next year.

B. Young Professional Open Forum (by Chris Newcomb, member of FIDIC EC responsible for YPF), Presented the reasons for having strong YP organizations.

C. GAMA Young Professional Forum (Francis Kofi Yankey, the Chair of FIDIC-GAMA (Group of African Member Associations) YPFSC), Introduced the followings:

- Participation of 10 Member Associations (Mas) in the steering committee, successful attendance in GAMA conference, active website and successful transfer of the leadership; and
- Encouraging formation of new YPFs in the regional MAs, strengthening the sub-committees, become financially resourceful as well as moving the current activities were raised.

D. ASPAC Young Professional Forum (Arash Emambakhsh, the Chair of FIDIC-ASPAC (ASia PACific) YPFSC), Introduced the followings:

- ASPAC regional group as the best area for investment and the new projects;
- Having the most number of graduated engineers in the region; and
- FIDIC-ASPAC 2015 Conference/ Tehran was described in details as the main activity of the forum.

E. YP Reference Document (Ahmed Stifi, Member of the YPF steering committee) Introduced the YP reference document published 2013 as a guideline for starting a YPF by MAs. Including the purpose, steps, organization structure, vision and mission, and relationship between the local YPF and FIDIC YPF.
Panel 2. Sustainability, Capacity Building, Integrity. The panel was moderated by Geoff French, the past President of FIDIC. The following presentations were presented:

A. **Sustainable Development-SD** (by Jean Felix, the chair of FIDIC-EFCA Sustainable Development Committee), The following issues were reviewed:
- The potential market on SD issues;
- The development of strong initiatives on SD by international institutes;
- The reinforcement of the strategies and the of major consulting firms according to SD issues; and
- The impacts of the emerging SD issues on the Consulting Engineers (CE) activities.

B. **An updated FIDIC strategy on SD** (by Robin Crouch, member of FIDIC-EFCA SD Committee), Presented an updated strategy for sustainable development (2016-2020). The new proposed items to be included in the new revision were presented.

C. **An updated FIDIC Guide to Practice** (by Michele Kruger, the chair of FIDIC Capacity Building Committee and Ben Novak, the member of the committee), Introduced the new revision of FIDIC Guide to Practice and reason for updating.

D. **FIMS** (by Jorge Diaz Padilla, the chair of FIDIC Integrity Management System Committee), Made an introduction on the policies and the principles of FIMS published in 2011, also FIMS pilot program was presented by Richard Stamp, the member of FIDIC Integrity Management Committee.

Panel 3. Risk and Quality, Contracts, Business Practice
The panel was moderated by Richard Kell, the past President of FIDIC. The following presentations were presented:

A. **Risk, Quality and Liability** (by Stephen Jenkins, the chair of the Risk, Liability and Quality Committee), Summarized different activities including that contracts committee has built a tools to allow you to manage and control risk in the field, in addition to procedures that control and minimize risk in daily business.

B. **Contracts** (by Kaj Muller, the member of FIDIC Executive Committee and the EC Liaison with Contract Committee), Reviewed FIDIC contractual publications in Model agreements for professional services; Form of contract for works and Form of contracts for works and operations;
C. **Business Practice** (by Andrew Read, the Chair of FIDIC Business Practice Committee), Listing the existing guidance documents (QBS, QBS Marketing Strategy, DoS, Selection of Consultants, Disaster Management and BP Training Manual) and the new project (Contractor Selection).

D. **Best Value Approach** (by Paul J.A. Oortwijn), Introduced Best Value Approach as a European version of QBS since QBS or QBCS are not allowed in European Procurement Laws.

At the end of the first day, Young Professionals Meet & Greet was held in Novotel Hotel/world trade center to welcome young professionals by YPFSC, this event was sponsored by EVIC Engineering Values International Consultant and Al Adiyaat Group.

**Day 1: Infrastructure Outlook “It’s a Small World”, Monday, 14th September 2015**

Day 1 started with the Conference opening ceremony and Mr. JaeWan Lee, EC Member and Chairman of the Korea Engineering & Consulting Association was announced as the FIDIC President for two years. The following panels were presented:

**Plenary 1: Global Markets _ what will the future hold? _(by Nick Garemo, Director McKinsey, and James Stewart, Chairman Global Infrastructure KPMG). _This plenary provided information on Global Markets and the future._

**Plenary 2: Financing the Future.** The plenary was moderated by Eng. Rayed Al Arashi, Council Board Member & Chairman of Arbitration Committee of Society of Engineers – UAE. The speaker Kevin Falcon, Former Deputy Premier and Minister of Finance, BC Canada discussed with major IFIs, private clients and government agencies on infrastructure investment strategies.

**Plenary 3: Globalization – Business Element – Benchmarking and M & A.** The plenary was moderated by Prof. Dr. Uwe Krueger, CEO of Atkins Global, and consisted of 3 presentations:

1. European Benchmarking & CEO Conference; presented by Dr. Nelson Ogunshakin, CEO of ACE;
2. WHY DO IT? A presentation by Megan Motto, CEO of Consult Australia and United Kingdom; and
3. Key Trends in Global Engineering / Consulting Industry; Presented by Paul Zofnass, CEO of EFCG.
Plenary 4: People – Managing Remote Workforces – CEO’s Forum, The plenary was moderated by Eng. Zakaria Abdul Aleem, Owner of Aleem Survey and Evaluation, UAE. Tim Wall, CEO of CDM Smith and Steve Morriss, CEO, AECOM Europe, Middle East were the speakers who discussed the Management of people in this remote/virtual world as an essential management competency in the future.

Plenary 5: Future Leaders Forum, The forum moderator Mr. Steen Frederiksen, Jomanah Al Btoush (FIDIC PFSC Vice-Chair) presented the activities of the FIDIC YPF and the steering committee, the background of the YPF their mission and vision, and also highlighted the responsibilities of the YPF. FIDIC YPMTP 2015 participants discussed the role of YPs in the community and promoted the Idea for the Engineers to turn from Advisers to Influencers. At the end of the forum the FIDIC YPMTP Participants received their training certificates by FIDIC president Mr. Jae-Wan Lee.

Day 2: Tuesday, 15th September 2015
YPs started the second conference day by a breakfast meeting with FIDIC Executive Committee (EC). The YPFSC Chair informed YPs about the uniqueness of the meeting and how it’s offers great opportunity for YPs to learn more about FIDIC and its activities. The FIDIC President Mr. Jae-Wan Lee, promised to let YPs serve on the FIDIC committees and to support the activities of YPs financially.

The second conference day, continued by four plenary with 10 speakers as follows.

Plenary 6: Working Effectively in the Gulf Cooperation Council (GCC), Asma Abdulla Aljassmi gave a case study of the Abu Dhabi City Parking Problems were 46 sectors were selected to address the parking problem. Ahmed Bukhash, in charge of Dubai Creative Clusters Authority, advised the need to adopt seven key pillars to ensure accessibility for all. Dr. Nabil Shehadeh, advised all companies wishing to work in the Gulf Cooperation Council (GCC) to do market research and be financially strong.

Plenary 7: Planning and Policy-Sustainable Urbanisation, Gordon Price explained the need to use infrastructure as a way of self-sustainable life and advocated leaving in a world of a better life by adopting best land use plan.
Plenary 8: Integrity Management and Reputational Risk, Jermyn Brooks explained that reputational risk has reached a low ebb especially among leaders and highest in least corrupt countries. Going forward, he advised for sanctions together with incentives. Ziad Awad, advised that any compliance in ethics requires investment in continuous improvement. Frank Kehlenbach, gave the European International Contractors (EIC) perspective on the subject, with special focus on Contractors, Client, Consulting Engineers and financiers or donors.

Plenary 9: Making Technology Work for You, Projects and Staff-Impact of BIM, Javier Baldor, pose the question, “who will prosper by the application of knowledge consultancy” and advocated the use of technology going forward. Terry Bennett, advocated the marrying of technology with human ambition. Stephane Aubarbier, spoke about two main challenges, namely, the transformation of working practice with new tool and methods and the evolution in way clients use and think about infrastructure.

At the late afternoon, YPs’ activities started with a technical tour of the construction site of Trevi Ground Engineering. After a brief presentation by the Managing Director, Anas Ourabi, at the project site office of the various methods used in compacting loose or sandy soils in large areas and its efficiency. Following the technical tour, YPs gathered at the project site office for a cocktail.
REPORT ON FIDIC YPMTP 2015

A. INTRODUCTION TO THE 2015 PROGRAM

I happened to be privileged to get one of the two FIDIC/BST Global Young Professional Scholarship award by the past presidents. Little did I know that I was about to be exposed to a huge wealth of knowledge that this course has to offer!

As a young professional in the consulting Engineering Industry, I had craved to acquire the much needed key managerial skills that will take me to the niche in the consulting industry. I had craved to be a better employee than what I used to be and aspired to be at the forefront in the nearest future as a leader. I’m so glad I found all these in one package and that is the FIDIC Young Professional Management Training Program. The courses offered tackled every aspect in the consulting industry. Going from Organization of a consulting firm – Starting a company, to Human resources management, Business development (marketing and client relationship), Financial management and control, risk management, sustainable management, quality management and my favorite which is the Business integrity Management. These are highly commendable and have enlightened me greatly.

B. REPORT/FEEDBACK ON THE PODIO ON-LINE SESSIONS

The sessions I had online were very productive as our instructor Steen, mentors and Habib (technical personnel) were always there for us. The interactions I had on podio with my Instructor was very enriching. And then comes the relationship between participants, this has widen my knowledge base as we were able to identify national differences amongst ourselves. There were some issues I got to hear about for the first time by virtue of interacting with brilliant young professionals from around the world. Every one’s views were respected and even when we disagree on views, it was done constructively and professionally - I learnt from that too!

As we progressed our courses got tougher and more challenging that sometime you have to do a whole lot of research to get going. The case based scenarios with the questions that followed were an eye opener for me. All the hours put in the online sessions were no waste at all. I always had one or two things to learn from every comment made by my fellow participants.
In a bit to learn more I was always quick to volunteer to be an editor of the case summaries. I also was able to improve on my writing skills.

The FIDIC member company I work with, Asonic Associates Limited Abuja Nigeria also played vital roles in ensuring that I wasn't distracted and given time concession during the course of the program. I want to use this medium to encourage other firms to allow their upcoming young staff to participate in this type of dynamic program. It will pay off.

I and some participants with our instructor Steen

C. YPMTP CLASSROOM SESSIONS AND FIDIC CONFERENCE 2015 IN DUBAI

I participated in the classroom sessions prior to the FIDIC Conference. That was where the recap of all that was taught online was done. I learnt from every little discussion we had in every group I found myself. The group divisions were effective as young professionals shared experiences based on the case studies presented.

I also participated in the brainstorming sessions for the future leaders' presentation at the FIDIC Conference. Various ideas were tabled and we were finally able to identify the way forward for the Engineering Consulting industry. Moving from “advisors to influencers” as an engineer was proposed. This was justified using the SWOT analysis. Capitalizing on our strengths, working on our weaknesses, making use of the vast opportunities around us and overcoming and eliminating possible threats. In solving our problems, development of soft skills, promotion of our industry and brand, then finally involvement in politics were discussed during the future leaders workshop at the FIDIC.

I must highlight here that I was impressed with FIDIC for not despising the young professionals and giving us a voice too. To me it means that the future will be bright and when the old professionals look back, they will be glad and assured that the industry is safe in our hands.
The social aspects too were very nice, like the welcome ceremony, FIDIC gala dinner award night, YP meet and greet. All these were made possible by active participation of everyone.

D. LESSONS LEARNT FROM 2015 YPMTP

I honestly cannot mention all the lessons learnt from the 2015 YPMTP, amongst other things I was able to develop the key management skills I so much desire. I learnt team work from our various group discussions, from our editing of summaries of case studies, and also during the brain storming session for our presentation at the future leaders’ forum. My communication skills have become better as I have been able to build more confidence in myself. Also comes the networking with professionals from all over the world…so eye opening!

I also had the opportunity to meet present leaders in the industry in person. I met the FIDIC past presidents.
E. SOCIAL ACTIVITIES.

I was at the welcome/opening ceremony, YP Meet and greet gala award dinner and a couple of other gatherings with some of the participants while in Dubai. I visited The Mall of the Emirate amongst other places with some of the African participants I met in Dubai. We were able to network with one another. It was fun all the way!!!!!

@ the mall of the emirates with some African ypmtbp participants.

@ the YP Meet and greet session in Novotel WTC with Jordanian YPMTP participants
Highlight on the FIDIC Young Professional Management Training Program (YPMTP) 2015

One of the best trainings? – An account of a 2015 YPMTP participant

When I came back from YPMTP in Dubai, most of my coworkers asked the same question to me, “How did the training go?” My first and spontaneous response was, “Great! One of the best trainings I’ve ever attended!”

I’m not one for exaggeration, but training courses normally follow a set pattern of lectures. YPMTP was different. It was a unique and rewarding experience in which I not only gained new knowledge, but I also built new friendships and professional network and broadened my horizon.

So what made it so special? Before I can answer this, let me start at the beginning.

Myself and Lauren Connors won the 2015 Richard Kell Scholarship through our company Cardno, an Australian based engineering consulting firm. It is a scholarship program that Cardno organises every year, in which the award is participation in the YPMTP.

My initial expectations of the YPMTP training was the course would provide an overview of key skills in management of a consultancy in particular in topics including business development, human resources and financial management. I also looked forward to the case studies, as I had understood that they were drawn from real life experiences.

YPMTP started with an online training between February and August 2015, in which we learnt different topics financial management, business development, project management and human resources through a series of case studies. We had to present our opinions, thoughts and discussed our responses to different case studies through an online platform. The mentors prepared excellent case studies. The situations that we discussed were relevant and were situations that could arise in our day-to-day work. It was fascinating to learn other participants’ experience, opinions and approaches to the various circumstances.

The online training was followed up with five day training in September 2015 in Dubai. The training consisted of three days of lectures and two days of preparation for a presentation which would be presented at the FIDIC Future Leaders Workshop as part of the FIDIC International Infrastructure Conference.

When I first walked into the training room, I was surprised by the number of participants. There were 60 participants from 20 countries representing five continents. We all came from a range of engineering backgrounds with different expectations of the training. However, the common theme for everyone was that we were all keen to learn.

The first three days of lecture series covered topics such as human resources, marketing, financial and integrity management. The lectures were designed to emphasis key messages discussed during the online training.
The interesting part about these sessions were the discussions following the lectures. In most of these discussions, we could discuss anything as long as it was in keeping to the topic of the prior lecture. It was challenging because we had to come up with ideas to discuss ourselves. Lively debates occurred but all in the spirit of trying to gain understanding from different perspectives.

The following two days of the presentation preparation was the highlight of the training. We were given a brief to prepare a 30 minute presentation, to be delivered at the Future Leaders Workshop. The topic could be *anything*, the method of presentation could be *anything*, and how to prepare the presentation was up to us. To be honest, it almost felt impossible. I kept asking myself, "How do you get a consensus from 60 people to agree on a topic? How would you manage the work between 60 people?"

On the first day of the presentation preparation, we started with a brainstorming session and everyone contributed their best ideas. Discussions, thought provoking ideas, controversial ideas were thrown in during this session. Not only we had everyone debated their ideas, defended their arguments but we also listened to each other's perspectives. At the end of the first day, we decided on a presentation topic and also selected our presenters. The second day was spent to prepare the presentation slides, the speeches and practiced our presentation. It was a mix of feeling being rushed to finish the presentation and excitement in seeing our presentation coming together.

The flexibility of the session brought out the best in all the participants with everyone contributed their diverse skills. We had volunteers to organize the YPMTP group, and in a way project manage the preparation of the presentation. Smaller teams brainstormed to prepare the speech of the presentations. Another group would work on finding images that would resonate with the key messages of the presentation. When we did the practice for the presentation, the feedback from the group was really constructive and helped the presenters to present their ideas better.

It was a challenging task to prepare a presentation that involved sixty people. However, the spirit of teamwork, the supportive environment and a great learning atmosphere helped us all achieved the goal. The tight deadline and the challenging task build camaraderie within our team.

*All YPMTP participants worked in groups to prepare the presentation for the FIDIC Future Leaders Workshop*
We decided that the topic of the presentation was “Advisors to Influencers”. We presented our idea at the FIDIC Conference that for engineers to contribute more to society, the “Consulting Engineering profession needs to become leaders in identifying and implementing solutions to society’s problems and not just part of the solutions put forward by others”.  

So, “What made YPMTP so special?”

In terms of professional development, I have gained a very diverse and international perspective on the day to day and major challenges facing the consulting engineering industry. The solutions proposed and discussed by my fellow participants in the training have broadened my horizon and demonstrated that there are alternative approaches to challenges. Furthermore, the case studies and experiences shared by the mentors were very valuable as they were relevant and practical. Through the training and the conference, I have also extended my professional network internationally and also from my home country, Indonesia.

The highlight of the YPMTP was the two day session to prepare the presentation. It was very unique and rewarding experience to be successful to prepare a presentation with 59 other training participants.

The YPMTP has definitely surpassed my expectations. I hope that I could put the lessons that I learnt on my day to day job and the experience could help me to become a better practitioner in the consulting engineering industry.

I would like to thank our YPMTP mentors and the FIDIC team for an excellent training course, to Cardno for providing me with the opportunity to join the training and to my fellow YPMTP participants for sharing their knowledge, experience and ideas.

FIDIC Future Leaders Workshop 2015, closing speech
FIDIC Young Professionals Award 2016 – Call for Nominations

FIDIC and the FIDIC Young Professionals Forum (YPF) are pleased to announce the launch of the FIDIC Young Professionals Award in 2016.

The purpose of the Young Professionals (YP) Award is to highlight and promote the talent of next generation leaders in the consultancy engineering industry across the world, and to encourage an active and effective participation of FIDIC young professionals (YPs) for maintaining the sustainable development of the industry.

The YP Award is open to all young professionals (YPs) aged 40 and under and working for consulting engineering firms that are members of FIDIC Member Associations.

The Awards competition provides an opportunity for Member Associations to reach a larger number of YPs in your country and encourages their membership in your association. It is also an opportunity to recognise and promote the activities of your current YP groups, and the added value they bring to the industry.

The Award winner will receive complementary registration to the FIDIC International Infrastructure Conference in Marrakesh (25-27 September), and an invitation to attend the FIDIC Gala Award Dinner.

For full details, please check FIDIC website (http://fidic.org/node/9114)
CORPORATE ENTREPRENEURSHIP - THE NEW HORIZON

Modern companies are facing a highly competitive environment in various forms, sources and intensities. One of the key goals and challenges of any organization is to survive and sustain its growth and profitability through strengthening its position in such a turbulent market environment. Corporate entrepreneurship is one of the main modern concepts that have gained significant position over the past 50 years on both research and application levels (Urban and Nikolov, 2013).

Engineering consultancy companies constitute a key sector within the global economic development landscape. They represent an example of promising organizations that face a wide range of challenges in their traditional range of services. The main challenges can be summarized in areas of coverage, scales of competition, new competitor’s entries, varieties of services, demanding clients, stakeholder’s requirements and diversity of legislations and regulations, in addition to the effect of political and economic fluctuations.

The above mentioned factors are the primary driving forces that lead engineering consultancy companies to embark on in-depth business environmental analysis, and strategic planning to boost their abilities to survive, grow, and sustain their accomplishments.

Consequently, the understanding and applying of different strategic concepts including “Corporate Entrepreneurship” are essential and crucial for engineering consultancy companies. According to Hayton and Kelley, (2006, P.407) corporate entrepreneurship is a group of activities that centers on the discovery and pursuit of new business opportunities through creating new business types or introducing new business models.

If we have in depth look in the engineering consultancy sector, we can see clearly that this sector is really a dynamic and responsive sector, and has practiced some of corporate entrepreneurship dimensions since awhile through providing new and diverse services and specialties, different from traditional and core range of services, as a response to market needs. E.g. provide environmental, sustainability, feasibility, management services, and training services are new trends now in Engineering Consultancy Companies.
Finally, it’s the time to investigate, understand and adopt the Corporate Entrepreneurship Concept’s dimensions through:

• Encourage consultancy engineering companies to consider and practice corporate entrepreneurship in order to achieve renewal, growth and profitability.

• Further investigation for the application of corporate entrepreneurship in the consultancy engineering companies. Through supporting cooperation between researchers and engineering consultancy sector’s leaders;

• Develop employees’ entrepreneurship characteristics to improve the overall companies’ performance. trying to develop a clear linkage between employees personal targets and companies targets, and providing windows for personal initiatives;

• Encourage the exploration of new and potential trends in engineering consulting companies, due to its role in shaping new promising fields and specialties;
• Support the adoption of moderate risk-taking style in order to capture and exploit new opportunities; and

• Support innovative ideas and methods by formulating a clear system, to ensure generating wide range of innovative and applicable ideas that support companies development.
1. Introduction

Have you ever heard about “Hayabusa”, the Japanese spacecraft? Hayabusa is an unmanned spacecraft developed by the Japan Aerospace Exploration Agency (JAXA); one of its epochal achievements is the first-ever successful sample-return from an astronomical object existing in extraterrestrial space.

Although I’m not a space engineer myself and don’t intend to enthusiastically discuss the latest planetary probe technology, I would like to tell you about a brilliant seminar for Young Professionals (YP) held in August 2015 which was fully organized by the YP Group of the Association of Japanese Consulting Engineers (AJCE).

2. Hayabusa Project Background

The Hayabusa project’s breakthrough achievement was to land a probe on an extraterrestrial astronomical object and then return a sample from it. Sampling from the moon has been successful in human history, but materials from large luminaries such as the huge planets of the solar system, the moon, etc. have gotten denatured, and samples from those luminaries do therefore not contain substances from the early era of the solar system. On the other hand, material from asteroids such as “Itokawa”, with dimensions of 540m x 270m x 210m and from which Hayabusa brought the sample, remain in comparatively good condition in the same way as fossils. This means that human beings can get hold of a key for solving the mysteries of space evolution since sample-return technology has now been established.

One of the main goals of the project was to establish sample-return technology as already mentioned, whereas developing an ion engine system for the world’s first practical application constituted the core of the project; Hayabusa had to be able to effectively cruise between the Earth and the asteroid by means of its ion engines before sampling could take place.

3. Lecture of Professor KUNINAKA

According to Prof. Hitoshi KUNINAKA, the Director of the JAXA Space Exploration Center who was in charge of the development of the ion engine and is the present project manager of the Hayabusa 2 project, the Hayabusa project was a platform for testing new technologies to prove that sample-return technology including the world’s first implementation of an ion engine was within the reach of the human race. As such, we have just reached the starting line for studying the origins and evolution of the universe based on established sample-return technology.
Prof. Hitoshi KUNINAKA kindly accepted the YP Group’s invitation to give a lecture on a variety of topics such as the history of rocket development, details of the Hayabusa project including hard-luck stories related to the development of the ion engine, the mission of the Hayabusa 2 project, etc... All these topics were rooted in his actual experience of leading the project to success and were deeply impressive and inspiring to all the YPs present.

4. Value of the seminar

Through the lecture, we realized that a positive attitude combined with originality and creativity, as well as firm beliefs and unceasing effort are always required when working on any project. If there are no existing tools suitable for doing something, we have to create them. Our positive attitude can overcome any difficulties.

We understood that the epochal achievement of the Hayabusa project was the result of decades of continuous and tangible efforts by the industry, and the newly accumulated technology has now been transferred to the Hayabusa2 project team. In other words, human resources development including technology transfer has continuously and enthusiastically been fostered under the direction of the project leaders.

I believe that seminars such as this are very valuable to inspire and encourage YPs and show them the right track, and that these kind of activities (not only limited to seminars) should be held regularly on a broad spectrum of topics. Sharing knowledge and experience and building solid channels for communication are therefore essential ingredients to guarantee a promising and successful future for YPs on all levels and fields.

References: - Handout material of Mr. KUNINAKA’s seminar (prepared by AJCE)- - Website of the Japan Aerospace Exploration Agency
**FIDIC-ASPAC Tehran Conference**

“Sustainable Approaches in Emerging Markets”

**Introduction**

Iranian Society of Consulting Engineers, ISCE, requested to host FIDIC ASPAC 2015 Conference during ASPAC GAM in Barcelona (September 2013) followed by its official request in November, while ASPAC EC had already selected Uzbekistan as the host prior to receiving the official request from ISCE.

On May 2014, Chairman of ASPAC EC announced the EC acceptance to hold the conference in Tehran.

**Organizing**

ISCE organized 3 committees to furnish the required services for organizing the Conference:

- **Steering Committee**: Consisting of senior members of ISCE to set the policies and supervise the activities
- **Organizing Committee**: Consisting of limited number of YPs to make the decisions
- **Supporting Committee**: Consisting of all the volunteered YPs furnishing the whole required services together with the Organizing Committee.

**Several Taskforces** were also formed by the volunteered YPs for any specific area among the whole scope (Planning, Design and Graphics, Marketing, Broadcasting, IT, Logistics, …)

23 volunteered YPs served the taskforces and the committees during 13 months to realize a successful conference.

**Goal**

ASPAC conferences used to be held with around 300 participants with limited number of VIPs.

Benchmarking FIDIC annual conferences, ISCE aimed to

- Invite Professional Speakers related to the topics of each panel
• Invite government authorities and other VIPs as keynote speakers;
• Double the number of participants according to the previous ASPAC conferences;
• Improving the social events to FIDIC level including Welcome Reception, Local Color Night and Gala Dinner.

**Welcome Reception**

**Program:**

**Conference:**

1st day: May 21st:
- Opening Ceremony
- Panel 1: Emerging Markets Economic Outlook in ASPAC Region
- Panel 2: Sustainable Procurement in Emerging Markets
- Panel 3: Green Integrity (how sustainability and integrity form the future of CE industry)

2nd Day: May 22nd:
- Panel 4: Quality Human Resources in Emerging Markets
- Panel 5: Challenges
- Panel 6: ASPAC YPF Session: to the future
- Closing Ceremony

**Social Events:**
- Welcome Reception, May 20th, Tehran Museum of Contemporary Art
- Local Colour Night, May 21st, Milad Tower
- Gala Dinner, May 22nd, Golestan Palace
- Technical Tour, May 23rd, Tehran Tour (Projects and sightseeing)

**Achievements:**

<table>
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<tr>
<th>Description</th>
<th>Local Participants</th>
<th>Foreign Participants</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conference</td>
<td>625</td>
<td>63</td>
<td>688</td>
</tr>
<tr>
<td>Welcome Reception</td>
<td>220</td>
<td>48</td>
<td>268</td>
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<tr>
<td>Local Colour Night</td>
<td>154</td>
<td>55</td>
<td>209</td>
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<tr>
<td>Gala Dinner</td>
<td>201</td>
<td>58</td>
<td>259</td>
</tr>
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</table>

**VIPs:**

Vice President of Islamic Republic of Iran, Minister of Road and Urban Development, Ambassador of Spain, Ambassador of Republic of Korea, Deputy of Vice President of Iran, Deputy of Minister of Oil, Deputy of Minister of Road and Urban Development, Deputy of Minister of Energy, Deputy of Tehran Mayor and Several key members of different Ministries.
• **Qualified Speakers:**
  27 qualified speakers presented their findings related to the topics of the panels

• **Social Events**
  All the participant unanimously appreciated the well-organized social events in different themes; the modern theme of welcome reception in relation with Tehran Museum of Contemporary Art, the traditional and regional theme of local color night in Tehran Milad Tower and the official and the ceremonial theme of gala dinner in Golestan Palace which used to host solely the royal ceremonies.

Admiring the organization of the conference, Pablo Bueno mentioned that it will be a hard task to organize a FIDIC-ASPAC Conference after Tehran successful event, while inviting the next host to introduce 2016 Conference. ASPAC EC decided to move the GAM to its annual FIDIC-ASPAC conferences from FIDIC conferences, relying on the level of Tehran Conference.

**Young Professionals**

The role of Young Professionals of ISCE was one of the most important reasons of the success of the conference. Organizing the whole conference in such a high level in all aspects was carried out by YPs under the leadership of the president of ISCE.

**YP Panel: to the future**

Succession Planning was the subject of the Young Professional Forum. The subject was selected in accordance with the current highly increasing concern of the principals and owners within the industry. When retiring from their own companies, the owners of the industry face great concerns for handing over their career to the next generation. Reviewing the reasons of such failures, succession planning brings some idea to solve this issue.
YP Panel presented two speeches, the first of which described the subject while the last one presented a case study.

**YP Surprises**

The youth spirit motivating the conference, brought several charming surprises to the event. Conference Live Feed can be recalled as one of the most popular one among the mentioned surprises ([http://fidicaspac2015tehran.com/en/live](http://fidicaspac2015tehran.com/en/live)). Supported by the whole YPs, the feed published any major/ minor occurrences during the conference as soon as it happened. Each feed included a topic, a short description and an image the first of which was posted on May 8th announcing the arrival of the first guest ending by the departure of the last people posted at 4:53 AM on May 15th.

![YPs with the presidents of FIDIC, ASPAC and ISCE](image1.jpg)

**Meeting the Minister of Road and Urban Development**

Following the success of the conference, the Iranian Minister of Road and Urban Development agreed to meet FIDIC / ISCE representatives in his office. During the meeting, the representatives delivered their report to the minister including the details of the conference, FIDIC, Re-Think Cities Project and the mutual agreements of FIDIC and ISCE, which were fully appreciated by him, announcing his readiness for any required support.

![Closing Image](image2.jpg)
The Young Professional Steering Committee of FIDIC (YPSC) has been stimulating the creation of YP groups all over the world not only to promote the consulting industry but also to bring new perspectives to world leaders and communities.

Over the past five years, new groups have emerged in Africa (GAMA) and Asia (ASPAC) who helped raise awareness of key consulting engineering values such as sustainable development and best business practices. They have been major contributors to their regional conference where they gave presentations about the YP perspective of what would be the consulting engineering of tomorrow.

In 2015, the YPSC turned its attention to the Latin America region. The sustained growth of this region over the past years has been favorable to the emergence of consulting engineering companies who, today, hires thousands of young professionals.

Our main objective is to identify and support local Leaders in the creation of their YP group. The form and the content will be up to them to decide but we are providing them with all our knowledge, written as a reference document designed by the world YP community.

Our action plan is simple and proven effective. First, present and promote the idea to the regional leaders of member associations. Second, translate for distribution the reference documentation and presentation letter into Spanish and Portuguese (in progress). Third, identify local YP Leaders (at least one per country). Fourth, host a webinar to explain the idea of a YP group and strengthen the relationships. Fifth, build a pilot program with one or more YP Leader and finally, support and expand.

This approach not only assures an initial success but ensures a lasting one. Since the beginning of this year, we have identified two pilot YP groups, one in Brazil and one in Peru. We should see results by the end of this year.

If you want to learn more about how to develop your YP group, please contact us via LinkedIn (https://www.linkedin.com/grp/home?gid=23096&trk=my_groups-tile-flipgrp) or at the email addresses (ypf@fidic.org). The reference documents (English and Spanish version) are available for free on the FIDIC website.
HOW TO BECOME PART OF THE FIDIC YPF GROUP

Become part of this young dynamic group of people and receive updates, newsletters and information on upcoming events such as FIDIC conferences and training opportunities.

International YPF Groups: find out what the YPs in your country are doing and how to connect with them! Please register on the YPF homepage listed below.

Once we have your details, we will send you our newsletter and other info as it comes up.

Please remember to keep your details updated!

For general information please visit the FIDIC website at www.fidic.org or the FIDIC YPF page http://fidic.org/ypf

For more information or personal assistance on how to connect please contact us at ypf@fidic.org, Jomanah AlBtoush, Communications Chairperson, FIDIC YPF Steering Committee

STARTING YOUR OWN YPF IN YOUR COUNTRY

If you liked what you saw in the FIDIC YPF and YPFs across the world, why not start your own local group and join the international Forum? This is best achieved through the FIDIC Member Association (MA) in the country you are based. However, if no such association exists, or your MA can’t support the creation of a national YPF, you can contact us to assist you. FIDIC can also provide support and resources to assist you in creating an YPF group in your country. All you need is your enthusiasm for Engineering! From there you decide what it is that you want your YPF to represent. What is your focus? Is it just socializing with your peers? Or is it all of the above? As the FIDIC YPF, we will do all we can to support your new endeavor!

Contact us at ypf@fidic.org

CALL FOR ARTICLES AND NEWS FOR PUBLISHING IN YPF NEWSLETTER

If you would like to publish any articles or post any news and activities of your YP group in the YPF Newsletter, please contact us by email at Jomanah_albtoush@aj-group.com and Jomanaha@yahoo.com.