International Technology Transfer
Professional Workshop II
Collaboration and Industrialization of International Technology Transfer in APEC Region

Summary

Endorsed by:
Asia-Pacific Economic Cooperation (APEC)

Hosted by:
Chengdu Human Resources and Social Security Bureau

Organized by:
The People’s Government of Qingyang District, Chengdu

Proposing Economy:
People’s Republic of China

Co-sponsoring APEC member economies:
Australia
Chile
Chinese Taipei
Indonesia
Peru
Papua New Guinea
Mexico
Russia

July 13 – July 14, 2017
Chengdu, China
International Technology Transfer Network (ITTN), founded in 2011, secretariat is located in Beijing. Guided by China Association for International Science and Technology Cooperation (CAISTC), is committed to promoting International Technology Transfer and International Innovation Cooperation. ITTN is a professional organization committed to promoting international technology transfer network and innovation cooperation. It carries out work in association with well-known technology transfer and innovation service organizations both at domestic and overseas level.

There are more than 140 professionals from international technology transfer organizations, TTO of universities, innovation organizations joining ITTN International Committee. Building relationships with more than 400 international technology transfer organizations in 40 countries. Meanwhile, delegated by Ministry of Science and Technology of the People's Republic of China and Beijing Science and Technology Committee, ITTN secretariat undertakes more than 20 official international scientific and technological innovation cooperation platform mechanism special work, such as China-Italy Technology Transfer Center (CITCT), China-Italy Innovation and Entrepreneurship Competition, China-Italy International Technology Transfer Cooperation Network, China-Korea Enterprise Cooperation Innovation Center, APEC Member Economy Training Program and so on.

ITTN secretariat, International Technology Transfer Professional Committee, steering committee, professional cooperation system and 11 provinces, all of these form a complete and mature domestic system. It carries out docking and landing at home and abroad from Innovation Data, Innovation Exhibition, Innovation Training, Innovation Diffusion, Innovation Investment, Innovation Land and Strategic Research.
Contents

02  |  ITTN Events Overview

02  |  Foster International Technology Transfer (ITT) Professionals for the APEC STI Cooperation and Connectivity

04  |  Innovation Flourishing Concept

06  |  Review the Previous in Shenzhen

07  |  Summary in Chengdu

08  |  Delegates Introduction

19  |  Outcome for this Workshop

20  |  Wonderful Moments

27  |  Next Workshop

27  |  Background - The Eurasian Economic Forum Technology Conference
ITTN Events Overview

Foster International Technology Transfer (ITT) Professionals for the APEC STI Cooperation and Connectivity

In August 2016, the ITTN representative attended the 8th workshop of PPSTI which was held by APEC and put forward the idea of “Innovation Flourishing”, laying a theoretical foundation for “Foster International Technology Transfer (ITT) Professionals for the APEC STI Cooperation and Connectivity” project.

In Feb. 2017, the ITTN representative attended the 9th workshop, formally putting forward the concept paper of “Foster International Technology Transfer (ITT) Professionals for the APEC STI Cooperation and Connectivity” project and introducing its planning and goals. In the end, the concept paper was supported by eight economies including Australia, Russia and Taipei and approved by APEC Secretariat.

In April 2017, APEC International Technology Transfer Professional Training as the first event under “Foster International Technology Transfer (ITT) Professionals for the APEC STI Cooperation and Connectivity” project was held in Shenzhen and Fuzhou with STI experts from 11 economies involving Australia, U.S., Russia, Canada and Singapore. Discussion was held on each economy’s diversification in innovation practices, knowledge commercialization practices of academic organizations and so on.

In May 2017, ITTN submitted the program of “Foster International Technology Transfer (ITT) Professionals for the APEC STI Cooperation and Connectivity” project and reported the achievements of the first event, which was highly rated by Australia, Taipei, Indonesia and other economies. And these economies also expressed that they would continue to support the following event related to this project. Currently, “Foster International Technology Transfer (ITT) Professionals for the APEC STI Cooperation and Connectivity” project has entered into the stage of budget approval. Once approved, it will be formally set up, being an international cooperation project with APEC support.
APEC Innovation Flourishing
Having ITTPs to promote integrative innovation development in APEC region.

ITTN representative attended PPSTI 8th meeting in Lima, Peru in 2016, communicated with delegates about ITTN’s accomplishment and following work plans for international technology transfer talent raising, and proposed philosophy of “APEC Innovation Flourishing”. As the philosophy is gradually consummated, ITTN and MaTRineX Academy of International Innovation&Strategy have jointly filed an application for APEC fund regarding the project of “Foster International Technology Transfer (ITT) Professionals for the APEC STI Cooperation and Connectivity”.

Under the framework of APEC, INTERNATIONAL TECHNOLOGY TRANSFER PROFESSIONAL WORKSHOP II – APEC INTERNATIONAL TECHNOLOGY TRANSFER COLLABORATION AND INDUSTRIALIZATION will further promote the cooperation in APEC region and contribute the economic developing of APEC region.
Innovation Flourishing Concept

ITT system and knowledge has been created for more than 30 years. Professional associations, like AUTM and KCA, are established by APEC economies as domestic initiatives. However, in former international communication works, we also found that international technology transfer and knowledge commercialization practice in different APEC economies shows apparent feature of diversity. While international mobility of ITT professionals and cross-border ITT practices becomes increasingly active, connectivity at regional level faces challenges from STI itself and policy perspective.
“International Technology Transfer Professional Workshop II – Collaboration and Industrialization of International Technology Transfer in APEC Region” (Workshop II) is the second planned event of APEC “Foster International Technology Transfer (ITT) Professionals for the APEC STI Cooperation and Connectivity” project, which maps and interprets the trend of cross-border ITT development, promote shared ITT experience, knowledge and understandings, per proposing a common vision to ITT professionals in enhancing coherence and synergy of regional efforts.

Below is one of brief version of the planned knowledge system framework, as well as the linkages to the work plan of the project. the outline framework contains 3 parts, The Technology Transfer and knowledge commercialization part focus on the knowledge and skills related to ITT, when saying knowledge, it means that the contents are Professional issues of ITT, like IP, Technology licensing, and TTO, and skill means the business capacities related to the practice of ITT; The innovation mode part focuses more on the ways of ITT and types of related behaviors, like innovation thinking, business strategy and international open innovation etc.; And the third part is designed particularity for the research of ITT strategy on international cooperation and innovation mapping.
Review the Previous in Shenzhen

APEC Co-Innovation & University Technology Transfer Seminar
Apr. 16, 2017, Shenzhen Convention & Exhibition Center

In Apr. 2017, We have successfully organized the first planned event under the Project, “International Technology Transfer Professionals Workshop I”, which focuses on existing ITT knowledge systems, current status of academic technology transfer in APEC region, and current status of innovation entrepreneurship in APEC region with the objective of helping ITT professionals in APEC economies to develop mutual understanding about each other. ITTN specially invited experts from universities and technology transfer centers in China, who have deep understanding about technology transfer in China. Moreover, ITTN has also invited members of ITTN International Committee who are experienced experts in technology transfer of innovation advanced economies like US, Canada and Australia.

As the same as Workshop I, Workshop II aims further facilitate development of mutual understanding between ITT professionals, while attaching more emphasis to specific ITT cases, industrialization of ITT and mapping of ITT skills, so as to make contribution to conclusion of a common vision about ITT development in APEC region, and development of cross-border talent raising and cooperation mechanisms.
Summary in Chengdu

13th - 14th July, The Ritz-Carlton Hotel, Chengdu, Sichuan

“International Technology Transfer Professionals Workshop II — Collaboration and Industrialization of International Technology Transfer in APEC Region” was successful convened in Chengdu on 13th to 14th July, with a focus on industrial demands and practical cases of skills fostering. We invited around 19 international senior experts, managers and professional organizations of technology transfer as well as offices of technology transfer in universities from 9 economies, like Andy Sierakowski, Chairman of ITTN International Committee; Vance Y.Hum, Vice Chair of Innovation Subgroup of APEC PPSTI Working Group; SangKeun, Lee, Head of Energy IoT, Dongshin University in Korea, etc. with the discussions on APEC international technology transfer, industrial development and other relevant professional skills. This Workshop II aimed to map out the technology transfer and knowledge commercialization within APEC regions and active in establishing the professionals fostering and cooperation mechanism.
Andy Sierakowski

Australia

ITTN International Committee, Chairman
Knowledge Commercialization Australia, Former Chairman

Dr. Sierakowski is the Co-chair of the International Committee of International Technology Transfer Network. Before ITTN, he has been Chair of Knowledge Commercialization Australasia (KCA) since 2006. In this capacity he has developed international linkages with overseas technology transfer organizations such as AUTM USA, UNICO UK, ACCT Canada and ASTP Europe. Prior to that, Dr. Sierakowski was the director of Office of Industry and Innovation, University of Western Australia and Board of IPRIA (Intellectual Property Research Institute of Australia) and on the boards of two UWA spin-out companies.

Dr Sierakowski gained wide experience with Kodak working in manufacturing, technical marketing, and quality assurance in Australia, France, Asia and the US. From 1992 to 1997, he was Business Unit Manager of Kodak Professional with responsibility for Australia and New Zealand with a sales turnover in excess of $100 million. He has coordinated large technology transfer and commercialization projects for Kodak on a worldwide basis and has extensive knowledge of product development processes. He also has experience in setting up joint venture companies and acted as Executive Director of such companies.
Vance Y. Hum

The United States
PPSTI Working Group of APEC, Vice Chair of Innovation Subgroup
I.M. System Group Inc., President

Vance Y. Hum is the CEO of I.M. Systems Group, Inc. (IMSG). IMSG brings together the best science, engineering, and management skills to successfully implement environmental and climate change programs. Headquartered in Rockville, Maryland. Mr. Hum is an experienced senior executive with a proven track record in public and multinational private companies. He has a broad history of assisting companies to develop and complete products and services that will drive them to dominant positions in defensible market segments. Mr. Hum’s experience includes over ten years as a consultant to the investment banking community, highlighted by his role as Senior Technical Advisor to Oppenheimer & Co., Mergers and Acquisitions Department. He has served in the public and private sector as the CEO, COO, or CFO of five other institutes and has been on the Board of Directors of several companies.

John Zhang

P. R. China
Secretary General of International Technology Transfer Network (ITTN)

John Zhang serves as Secretary General of International Technology Transfer Network (ITTN) and Managing Director of China Association for International Science and Technology Cooperation. Mr. Zhang has been the Founder and CEO of G.W. Innovation Technology Development Co., Ltd. since 2006. He also launched and established MaTRineX Academy of International Innovation & Strategy and Pharmatable Academy of Food and Drug Innovation & Development in 2016 and serves as Chairman of the Board of Directors.

John Zhang began to serve as Secretary General of International Technology Transfer Network (ITTN) in 2013. Under his leadership, ITTN has set up an international co-innovation network and attracted nearly 150 prestigious figures from international technology transfer organizations, technology transfer offices, innovation agencies to join in the ITTN International Committee. It has built long-term relationships with over 400 international technology institutions in over 40 countries and has 11 sub-centers around China by 2016, including Shanghai, Suzhou, Hong Kong, Shenzhen, Chongqing, Fuzhou, Chengdu, Zhengzhou, Luoyang and Xi’an. ITTN is committed to international technology transfer and innovation cooperation and responsible for the bilateral and multilateral technological cooperation, including China-Italy Technology Transfer Center, China-Italy Innovation and Entrepreneurship Competition, Sino-US University Technology Transfer Network and China-Korea Enterprise Cooperation Innovation Center. ITTN annually organizes, coorganizes and support over 200 international technology transfer events at home and abroad, in which over more than 30,000 domestic and overseas professionals participate. It has contributed to the international technology transfer project matchmaking over 13300 times.
Ning Chen

P. R. China
MaTrineX Academy of International & Strategy, Chairman

Mr. Chen has rich experience in innovation management as former deputy director of Beijing Municipal Science and Technology Commission, he was also vice president of BBMG Group, a large-sized construction material real estate enterprise. Mr. Chen has a deep understanding of enterprise innovation, university and research institute innovation as well as city innovation.

Mr. Chen has also international cooperation experience in promoting Sino-US technological communication and cooperation when he was science and technology diplomat of Chinese embassy in America. He was division chief of International Cooperation Division, Beijing Municipal Science and Technology Commission where he proposed and promoted several world well-known conference such as ITTC, China-Italy Innovation Forum, China-Canada Innovation Forum, China-Israel Innovation Forum, facilitated official technological innovation cooperation mechanism with several countries, established Asia Europe Cooperation Center for S &T, worked to develop international technology transfer network and promoted a large quantity of cooperation projects and parks development.He has obtained Bachelor of Medicine Science, Master of Management and Doctor of Medicine.

Leju Ma

P. R. China
China Science and Technology Exchange Center
Ministry of Science and Technology, P. R. China

Mr. Ma Leju is the focal point of APEC Policy Partnership on Science Technology and Innovation in People’s Republic of China. He works in China Science and Technology Exchange Center, a public agency under Ministry of Science and Technology (MOST) China. He was stationed for seven years in Italy as Science and Technology Secretary in Chinese Embassy and assisted the establishment and development of China-Italy bilateral innovation cooperation framework. He also worked for three years in MOST for China’s intergovernmental S&T cooperation with Central Eastern Europe region.

Qianwen Yu

P. R. China
China Science and Technology Exchange Center
Ministry of Science and Technology, P. R. China

Ms. Yu Qianwen is Program Officer for Asian, African and Euro-Asia Affairs in China Science and Technology Exchange Center. She oversees China’s STI Young Professional Mobility Program “Talented Young Scientist Program”, which offers cross-boarder research opportunities for talented young scientists from developing countries. Yu also assists the inter-governmental cooperation between China and Eurasia region, since she is fluent speaker in both English and Russian.
Ahmed Enany
The United States
Southern California Biomedical Council (SoCalBio), President
Southern California's Life Science Industry Trade Association, CEO

Ahmed Enany is president of the Southern California Biomedical Council (SoCalBio), the trade association he founded in 1995 to promote the life-science industry in Greater Los Angeles. He has built SoCalBio into one of the large member-supported associations supporting life science research, development, manufacturing, and job creation in the United States. Enany earned a BA in Political Science from Cairo University (Egypt) and did extensive graduate work on regional economic development at UC LA. Enany currently serves on the boards of the Los Angeles City Workforce Investment Board.

Carl Rust
Strategic Partner Officer at Georgia Institute of Technology
Georgia Institute of Technology

Carl A. Rust is Associate Vice President for International Initiatives and Principal Director in the Office of Industry Collaboration at the Georgia Institute of Technology where he is responsible for pursuing the university’s international goals, particularly those related to industry-university collaboration, entrepreneurship, commercialization, and economic development.

Between his tenure at both Georgia Tech and the University of Maryland, Mr. Rust has accumulated over 25 years of experience in industry-university partnerships, technology transfer, new business development, commercialization, innovation-led economic development, and global collaboration. He pioneered novel collaboration models of embedding industry research, development, and innovation centers at universities. He has also forged new ways of effectively connecting university-based startup companies to larger well-established companies as potential customers, suppliers, partners, and investors.

His prior industrial experience includes serving as an engineering manager at Texas Instruments and co-founding four technology-based start-up companies. He serves as a consultant for the National Science Foundation and other organizations on industry-university collaboration, international partnerships, and innovation matters. He has a bachelor’s degree in electrical engineering from The Citadel and has seventeen publications. Carl was a 2014 Fulbright award recipient to study the higher education and research system of France.
Dr. Eugene Krentsel is Associate Vice President for Research and Innovation at the University of Louisville, responsible for the full range of activities in the discovery-innovation-translation-commercialization spectrum at the University. Eugene served as Assistant Vice President for Entrepreneurship and Innovation Partnerships at the State University of New York at Binghamton, leading efforts in Entrepreneurship, IP Management and Licensing, and Innovation-Based Economic Development. He was founding Director of the International Technology Commercialization Institute at the University of Missouri in Columbia. Formerly a scientist, inventor and entrepreneur, he has extensive experience in technology commercialization, as well as in development and management of hi-tech start-up businesses. Dr. Krentsel is active with AUTM and with the University-Industry Demonstration Partnership (UIDP). He led projects in Chile, Russia, Ukraine, South Africa, Poland, Kazakhstan, Uzbekistan, Georgia, Azerbaijan, as well as published and presented on various aspects of technology commercialization.
Alexander Kvashnin
Russia
Technology Transfer and Commercialization Center of Novosibirsk National Research University, Director

• Author of 15 inventions including international ones.
• Technology broker of the Russian Technology Transfer Network since 2004 (broked more than 250 technologies).
• Member of the United Scientific Board of Siberian Branch of Russian Academy of Science (SB RAS) on Nanotechnologies and Information Technologies since 2013.
• Deputy Chairman of the Technical Board of the Design and Technology Institute of Digital Techniques of SB RAS, Novosibirsk, Russia.
• Member of the expert committee on innovation projects of Academrogodok (City of Scientists) since 2012, Novosibirsk, Russia.
• Member of the Expert Working Group for BRICS joint research and innovation platform since 2016.
• Expert of the Foundation for Support to Innovations (www.fasie.ru) since 2008, Moscow, Russia.
• Senior Expert of the Commercialization Reactor (www.commercializationreactor.com), Riga, Latvia.
• Expertise in research and development, research management, project management, IP rights protection, foreign liaisons, investment decision making, innovation evaluation, technology transfer, technology commercialization.
• Expertise in running certified center of the Russian Technology Transfer Network in Novosibirsk, Russia since 2014.

Matt Wenham
Australia
Executive Manager, Policy and Projects at Australian Academy of Technology and Engineering

Mr. Matt Wenham currently direct science policy activities for the Australian Academy of Technological Sciences and Engineering (ATSE), Australia’s national academy for applied science, technology and engineering. Mr. Matt Wenham leads a team of policy and research officers, who prepare policy advice, submissions and independent reviews for government and wider society, ranging across ATSE’s seven National Technology Challenges (energy, water, infrastructure, agriculture, health technology, minerals resources and STEM education).

Prior to returning to Australia, Mr. Matt Wenham worked in the US for a non-profit science policy think tank, the Institute on Science for Global Policy (ISGP). Mr. Matt Wenham moved into science policy from a career in medical research, having been a postdoctoral fellow at the US National Institutes of Health and completing his DPhil (PhD) in cell biology and immunology at the University of Oxford, UK.
Bryan Chamber
The United States
Director, Blackstone LaunchPad at UT Dallas, Institute for Innovation and Entrepreneurship, University of Texas at Dallas

Mr. Chambers is a business development and investment professional experienced in portfolio management and venture capital transactions. Bryan is the Director of Blackstone’s Launchpad for the University of Texas at Dallas where he actively advises student, faculty, and staff entrepreneurs, and early stage ventures. As the President of Chambers Venture Capital Bryan is responsible for managing early stage venture capital investments in the internet technology and mobile software sectors including the financial technology sector and on demand economies, in addition to providing advisory services to various domestic and international institutional investment partners. Previously Bryan was an Associate Partner an merchant banking firm in Dallas, TX where he successfully completed numerous transactions in the financial technology, media, and telecommunications sectors. Bryan is as a mentor at the Dallas Entrepreneurship Center and a co-organizer of the US China Innovation Alliance and Investment Summit. Chambers received his MBA from the University of Texas at Arlington.

Firman Tri Ajie
Indonesian
Center of Innovation of Indonesian Institute of Sciences

Firman Tri Ajie currently work as Head of Subdivision Technology Transfer in Center for Innovation of Indonesian Institute of Sciences, before this position he severed the Center for Innovation as the Head of Subdivision Commercial Partnership from 2010 to 2013. Before join the Center for Innovation of Indonesian Institute of Sciences Firman Tri Ajie worked as Technical Supervisor in Cireundeu Orthopedic (Medical Device Start Up Company – RS Cipto Mangunkusumo) and Assistant Store Manager for Lion Superindo.

Soh Juwon
Korea
CEO, edRESEARCH
Vice president, Korea BI Technology Business Association

Dr. Xu graduated from the Korea Institute of Science and Technology (KAIST), with Ph.D. of Data Engineering, served as Team Leader in Samsung Motor Development, Vice President of Korea Technology Trading Association, President of Business Strategy Industry Association.

Dr. Xu has a wealth of experience in the field of technology transfer, edRESEARCH has been designated by the Korea Ministry of Commerce and Industry as a technology trading agency and designated by the Korea Industrial Technology Promotion Institute as a commercial strategy to support the commercial organization. edRESEARCH had won the 9th electronic IT electronics industry Development of meritorious service recognition (won the presidential award) and named as Hi-Seoul brand.
Steven Lin
Korea
The Unite States
Licensing Associate, The Office of Technology Commercialization

Steve joined The Office of Technology Commercialization at the University of Texas at Dallas in 2014 as a licensing associate after serving as a technology analyst for 13 years at Office of Technology Development at the University of Texas Southwestern Medical Center where he oversaw invention disclosures from entire campus in every discipline, from basic science, biotechnology, chemical entities, to medical devices, software, etc.

Vera Anderson
Senior Licensing and Business Development Associate
Technology Transfer and Economic Development
Missouri University of Science & Technology

Vera Anderson currently serves as Senior Licensing and Business Development Associate at Missouri University of Science & Technology. In that role she leads various projects in the Office of Technology Transfer and Economic Development. She successfully developed and implemented marketing strategies for technologies in a variety of technical areas, developed and executed commercialization strategies for a large number of technologies with a high level of complexity. She spearheaded a new effort at the university on supporting women innovators and entrepreneurs. Vera was instrumental in developing partnership projects between University of Missouri and several leading universities in Russia. She presented to international audiences on topics such as IP Rights and Commercialization Process; Practical Guide to IP Commercialization; provided hands-on mentoring to entrepreneurship boot camp participants. She is active with various professional associations, including AUTM.

Jincheng Kang
P. R. China
Former director of the International Cooperation Bureau of the Chinese Academy of Engineering

Chinese Academy of Engineering During tenure as science officer at the Chinese Embassy in Ireland between 2001- 2002, Mr. Kang worked doggedly as facilitator and promoter with both Irish colleagues from Science Foundation Ireland and China’s Ministry of S&T (MOST) to finally succeed in establishing a joint research fund of €1 million for bilateral scientific research. During his working years at the China Association for Science and Technology (CAST), he has developed close contact and established in-depth relations with its nearly 170 national level academic and professional associations and societies, where the bulk of academic activities and events have been organized throughout the years.
Xuan Feng
P. R. China
Vice president of China International Science and Technology Cooperation Association
Former counselor of Czech Republic, Australian technical

Mr. Xuan Feng graduated from Beijing Jiaotong University. He has been worked in the Ministry of Science and Technology of People’s Republic of China (MOST) for many years. He also was posted in many countries as a Chinese diplomat, such as the Scientific Counsellor in Chinese Embassy in Czech Republic from 2013-2015, Chinese Embassy in Australia from 2008-2012, and Chinese Embassy in Israel from 2005-2008. Before that, he had worked as Frist Secretary of Science and Technology in New Zealand from 2000-2004.

Xiuying Zhang
P. R. China
Deputy director of the General Office of Zhongguancun Science Park Management Committee, Director of International Cooperation and Brand Building

Mrs. Zhang is the first batch staff of Beijing new technology industry development pilot area; she has been engaged in the park with the characteristics of foreign affairs business construction and development work.

Jie Yuan
P. R. China
Deputy Director, Chongqing Municipal Science and Technology Commission
Secretary, Chongqing Municipal Intellectual Property Office
Yizhong Lu
P. R. China
Deputy Director of Suzhou APEC Technology Transfer Center

Linzhao Chang
P. R. China
National Technology Transfer Zhengzhou Center, Director

Qi Zhu
P. R. China
National Technology Transfer Cross-Strait Center, Deputy Director
Jianjun Liu
P. R. China
Director, International Cooperation Department, Tianjin Science and Technology Commission

Hui Yuan
P. R. China
Member of Chengdu CPPCC, Deputy Secretary-General of Sichuan Youth Federation, The Secretary - General of Chengdu Foreign Investment Enterprises Association
Outcome for this Workshop

**Topic 1:** International Technology Transfer (ITT) and Inclusive Economy Growth in Asia-pacific region

Technology transfer is a tool to help economies to improve innovation for growth.

Technology is to create value out of university/economy breaking sectorial, segmental and border.

International technology transfer is a win-win strategy.

**Topic 2:** Knowledge Commercialization and Science & Technology Achievement Transfer Practice in Asia-pacific Region

“Innovation ecosystem is the bridge to death valleys.”

Gender balance issue needs to be highlighted in this program.

Training is necessary for knowledge commercialization in high-tech industry.

**Topic 3:** Cross-border International Technology Transfer Cooperation Practice between APEC Member Economies

When see through the sea, when royalties paid to the inventor. Culture should be highlighted when encountering intangible obstacles.

International Technology Transfer is not simply equal to Technology Transfer.

Bilateral cooperation will benefit technology transfer.

**Topic 4:** Practice of Technology Industrial Application of Technologies and Innovation Entrepreneurship in Asia-Pacific Region

Hardship is not technology driven but human driven.

Even developed economies, they need technology transfer professional trainings.

Summary

The four topics closely complies to APEC spirits and project goals, leading to a warm discussion among the domestic and foreign attendees.
We have 5 goals:

1. To share, to exchange our experiences of Technology Transfer and science and technology exchanges and cooperation.
2. To have a better understanding of our ideas and policies on Technology Transfer on the basis of sharing.
3. To reach a common view on Technology Transfer in the APEC region.
4. To get trained. We have a training including theory supporting, case analysis and practice, through which we hope to offer help to the APEC participating counties.
5. To co-operation, eventually.

I’d like to share some models or patterns that are generally used in Technology Transfer:

• The first one is Poker Model, which means the transferring of the patent or the establishment of the company.
• The second one is a subversive pattern called Matryoshka Doll Model. If you are not listed, you can’t have the model or investment. So it should be accumulated and then keep growing.
• The third one is Capsule Model, which means competitive bidding on a third-party board.
• The forth one is Puzzle Model, which means co-research and development between companies and universities.
• The fifth one is Franchising Model, as some research institutions and universities are allowed to build up some overseas branches to accredit.
Vance Y·Hum

"Under the cross-border background, Technology Transfer is a tool. I think we can further exploit in this respect. Technology transfer tool is very complicated and involves many aspects. And it must not only suit China, as it's cross-border, but the whole Asian-Pacific Region. Thus we should be aware of the point that each one of us ought to improve ourselves with each country's resources."

Andy Sierakowski

"You can see from the long-term tendency of US universities in research and expense, that the data demonstrates some potential index—330,000,000,000 dollars of profits come from technology transfer.

We find the medical transfer from one university to another could be a great amount of fund up to 75,000,000 dollars. We need a plan of talent training as well as gain enough fund because these are the core element of our technology transfer. Although we've worked years on technology and talent training, we still find it a great challenge."

Christopher John Bhatti

"As for the innovation perspective, we put emphasis on 2 areas: the first one is professional technology innovation, and the second one is talent exchange and teamwork.

The spirit of talent exchange and teamwork is the core factor of our launching incubator, technology transfer and technology commercialization, because talents are our vital property. Our cooperation is flexible; we hope the work can move on through their fund, support and help. The function of universities actually shows out of campus but in the cooperation with industries."
Chayama, Hidekazu

“Speaking to the International Technology Transfer, I’d like to share a background with you, the Three Kingdoms.

We can regard the A country as the technology holder, while B country has relevant market, so it’s possible to realize the transfer of production or service between A and B, as well as the transfer of investment. This is the authorization between A and B. Now that B, with a very big market, can also form a better investment with C country. Therefore we should implement a positive link between A, B and C so as to realize authorization and transfer.”

Carl Rust

“Though technology transfer is repeatedly mentioned, not many companies have the capability or skills to introduce, receive or digest these technologies. Lots of companies have the problem that they have no idea how important this behavior is to them. So it is crucial for enterprises to innovate and invent under an open-minded culture.”

Eugene Krentsel

“The university policy could be a challenge, especially in developing countries. We must face it. We must consider which side the intellectual property belongs. And I believe lacking of international backgrounds is a common problem. We can only strengthen dialogue by overcoming this problem. Some of our mechanism is developing and changing and certain research achievement can’t be fully used, so that could be protected or commercialized at present.”
Alexander Kvashnin

"ITTN has signed relevant conference with some universities and we want to build up a relationship of cooperate partners which can units us to form a stronger research group and join better with ITTN. For example, HTP has some related contribution and specific modernization operation schemes. So we can apply to innovation to deepen the cooperation. All the 3 organizations above hold an open attitude, and what we want is to establish a union to link up with ITTN."

Kim Sung-wook

"Although we’ve completed technology transfer, after we get the royalty payment, we still have to help companies with the technology extension and guarantee the scale of production. So we participate in the commercial popularizing conference and innovation exhibition of technology transfer in Washington DC and such technology innovation exhibitions in Silicon Valley, California in the next year. We’ll display our model, we’ll set up a stand to advertise our successful examples of our cooperation with Canada and other cooperators to our potential clients about our technology transfer."

Lee SangKeun

"So I’d like to say as the leading role in Asia as China, in Asia and APEC we need tighter cooperation networks of technology transfer and commercialization. At first, we can make cooperation programs among large countries such as China, Korea and Japan. Secondly, if we have the programs based on the network, then Asian countries and APEC countries can participate in these programs and improve our social economy."
David A. Melander

"But if you would try to use this bridge, this bridge is probably 90% completed, how useful is it? Zero until the gap is actually bridged. It comes completely meaningless. So even if the bridge is 90% completed, even if it’s a piece of beautiful engineering technology. It’s successful when things are commercialized, when people are using the technology and when royalties are paid. So as for case of high-speed rail, of course it's obvious cause 600,000,000 people can take high-speed rail in one year. That's successful technology transfer."

Matt Wenham

"These are the issues of ITTN that can address these problems: Firstly gender quality and diversity. Secondly, not just in terms of gender but also in terms of cultural backgrounds, particularly in an APEC sense, that we’re including over different culture and different economies and region. We’ve seen a strong sense of connections, innovations and containment. Thirdly, to satisfy the expectation of the research fields, we should do a better work in industry-university-research cooperation. Forth, it’s about our researchers and cooperators. Fifth our professional spirit. Sixth, to solve some cross-border issues."

Soh Juwon

"We cooperate with many Korean research centers skilled in technology, mainly AETRI and KETI, who are leading roles in advanced manufacture industry and energy industry such as ICT and KIER. To transfer technology from promising research centers we also build a global commercial network with Europe, China and Southeast Asia countries and regions."
Qianwen Yu

In China we have some projects to promote the flow of talents. The first one is called Thousand Talents Program to recruit global experts. The second one is a global scholarship program funded by Chinese Academy of Science, where scholars and students do joint study and research. The third one is called TYSP supported by Chinese government to foster talented scientist.

However we have to improve them because few enterprises apply for these projects. The prime method is to correct the information asymmetry. Besides we can have a project on training international technology transfer manager or professionals. At last we can help government making better policies to meet the need of these emerging professionals and enhance the interconnectivity.

Jincheng Kang

From economic perspective in a long term, government needs to consider setting a mechanism or institution to assess the effect of attracting oversea talents after years of practice, or assessing that through third-party experts.

Bryan Chambers

Then how to accelerate commercialization, how to build our eco-system? At first, our general structure is to introduce the entrepreneurship as the routine. We can have entrepreneurs brainstorming. Besides, we have studios and students clubs on this platform, including social and non-academic events and research forces.
Marcus Wade Fulghum

“...international technology transfer not always starts from direct transfer of technology to technology, enterprise to enterprise or country to country. Actually, a better perception should be a relaxing understanding under need state. Then with the awareness rising, technology transfer can be more relaxing.”

Steven Lin

“This is our new model of technology transfer. You can see we add the technology as the focus to the traditional basement. We make other channels and resources the stakeholders, including the powerful sponsors from Europe, China and Korea. A significant problem is that, if the technology is multiple invested, we have to apply to authorization in foreign countries. It’s important to unify the methods of applying for patents, keep a standard process in APEC or other regions to help us cut down the cost.”

Leju Ma

“I believe we need an output of our summary of the conference discussion to lead our future work. We have very nice case analysis, which can lead our works in the policy perspective. And some policies even can be reported to the policy-makers to provide them with consultations.”
Next Workshop

We will plan to hold the Seminar — APEC International Technology Transfer Forum- Science and Technology Innovation & Connectivity during the Eurasian Economic Forum Technology Conference in Xi’an

Time: September      Place: Xi’an, China

Main content of the Seminar

Based on collected mutual understandings, outputs summarized from former 2 Workshops, including a draft ITT knowledge system framework and draft ITT manual that we compose according to former 2 workshops, will be proposed and recommended on the Seminar for discussion by delegates from different APEC economies, so as to conclude some consensus of ITT practitioners about current status of ITT in APEC region, and present outputs of the Project that could be used as reference for making policy recommendation to APEC economies.

Background - The Eurasian Economic Forum Technology Conference

In September and October 2013, Chinese President Xi Jinping has proposed to build “Silk Road Economic Zone” and “21st Century Maritime Silk Road,” a major initiative during the visit to Central Asia and Southeast Asian countries, got highly concerned by the international community. In March 2015, the National Development and Reform Commission, the Ministry of Foreign Affairs and the Ministry of Commerce jointly released the “Vision and Action to Promote the Economic Development of the Silk Road and the Maritime Silk Road in the 21st Century”, and put forward the advantages of Shaanxi’s comprehensive economic and cultural, to build a new heights of inland reform and opening up. Xi’an as the starting point of the Silk Road and the new Eurasian Continental Bridge, it is an important node of the city, with China’s largest inland port, it has been rated as “China’s most attractive investment in the city”, “China’s best business environment ten Big city “and the United Nations” the world’s most development potential of emerging cities “, such a historical, economic and cultural city, should follow the world multipolarization, economic globalization, cultural diversification, Service “with all the way” strategy, and actively implement the central “Belt and Road” construction work conference spirit and “promote the Silk Road economic zone and the 21st century Maritime Silk Road vision and action” document requirements to speed up inland reform and opening up Construction of new heights.

Under this background, as a platform for 2017 Eurasian Economic Forum, Shaanxi Provincial People’s Government, Chinese Academy of Sciences, Eurasian Academy of Sciences Joint Xi’an High-tech Industrial Development Zone Administrative Committee and ITTN plan to organise The Eurasian Economic Forum Technology Conference in Sep. The conference will focus on the themes of “innovation drive” and “Belt and Road “, will invit leaders and guests from all kinds of indutries to explore how to help Xi’an to build an international science and technology innovation city under the background in the “Belt and Road “.
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