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TANGERANG SELATAN
**GLOBAL
INNOVATION
FORUM**

“Innovation
for
Sustainable Development”

20th - 23rd September 2016

PUSPIPTEK
Tangerang Selatan City, Banten Province
INDONESIA



United Nations Educational
Scientific, and Cultural Organization



World Technopolis
Association



Ministry of Research, Technology,
and Higher Education
The Republic of Indonesia



Tangerang Selatan City
Banten Province
The Republic of Indonesia

2016 Tangerang Selatan Global Innovation Forum

- Theme** : Innovation for Sustainable Development
- Date** : 20 - 23 September 2016
- Venue** : PUSPIPTEK, Tangerang Selatan, Indonesia
- Organizer** : World Technopolis Association (WTA), UNESCO, Tangerang Selatan City, Ministry of Research, Technology, and Higher Education (RISTEKDIKTI) of the Republic of Indonesia
- Partner** : Indonesia Institute of Technology (ITI)

I. OPENING SESSION

- Opening Ceremony
- Keynote Speech

"Role of University to Support Regional Innovation: Case Study Chungnam National University"



Prof. Deog-Seong Oh

- President of Chungnam National University, Republic of Korea
- Former Secretary General of World Technopolis Association
- Member of the UNESCO High Panel on Science for Development (HPSD)

"Innovation Based on Role of University to Increase Competitiveness"



Prof. Dr. Ir. Herry Suhardyanto

- President of Bogor Agriculture University (IPB), Indonesia

II. PLENARY SESSION

Plenary Session 1: STP Policies: Academia-Industry-Government Collaborations' Context

Science and Technology Park (STP) is one of the tools to encourage innovation and interaction among academia, business, government, and community (quadro helix). STP plays a key role in the economic development through a dynamic and innovative mix of policies, programmes, quality space and facilities, and high value-added services. Moreover, STP contributes in improving the competitiveness and regional economy on the basis of innovation, resources, and knowledge of local area. Nevertheless, the development of STP needs policy support from the central government and local governments. The growth of STP can be fostered through collaboration with other governments, especially the neighbouring countries. The concept of STP is essential not only to disseminate the knowledge but also to promote partnerships with various parties. The session will discuss the roles of government in supporting the development of STP, strengthening the innovative networks among the triple helix elements (academia, business, government) and the roles of STP in increasing economic competitiveness within the framework of regional innovation systems, and sharing experience in developing STP.

Keynote Speech:



"Developing Regional Innovation System to Trigger Regional Competitiveness"

Prof. David Ferguson

Academic Chair of the Department of Technology & Society,
College of Engineering and Applied Sciences, SUNY Stony Brook,
USA

Panel Speakers:

- **Prof. Eberhard Becker**, Former Rector of TU Dortmund, Germany
"Linkage among Triple Helix in Developing STP: Case Study Dortmund University"
- **Prof. Dr. Agus Sartono**, Deputy of Coordinating Ministry of Human Development and Culture (PMK) (TBC)
"Indonesia Government Policy to Develop 100 STPs"
- **Mr. Franky Sibarani**, Head of Indonesia Investment Coordinating Board (BKPM)
"Investment Strategy to Support Research and Innovation in Indonesia"

Moderator: **Dr. Idwan Suhardi**, University of Indonesia

Plenary Session 2: Entrepreneurship Development: SMEs' Context

The world economy is now largely supported by the contributions of entrepreneurs who has been creating thousands of Small and Medium Enterprises (SMEs). To foster the development of SMEs, especially the innovation-based SMEs, it needs support from various stakeholders such as government and large industry. The Governments could create a favourable business climate by providing funding support, complimentary policies, and facilitate the product improvement through the use of innovative technology. The increasing number of SMEs innovation-based could lead to higher competition and at the end it will improve the regional economy. In addition, the development of SMEs could promote networking and partnerships within the country and overseas. The session will provide a thorough overview of the SMEs in the framework of innovation-based regional economic development.

Keynote Speech:



"Role of Research Park to Support SMEs: Case Study UK"

Prof. Michael Luger

- Director of Manchester Business School, UK

Panel Speakers:

- **Dr. Inje Cho**, CEO of ActnerLab Co., Ltd., Republic of Korea
in association with **Dr. Hoonje Cho**, COO of Makersvill, Republic of Korea (TBC)
"Government Strategies to Develop SMEs Based Technology"
- **Mr. Nadiem Makarim**, Founder and CEO of Go-Jek, Indonesia (TBC)
"Social Entrepreneur: Urban System Transportation"
- **Mr. Roderick Purwana**, Sinar Mas Digital Ventures, Indonesia (TBC)
"Venture Capital to support SME development - Case Study Sinar Mas"

Moderator: **Dr. Bambang Setiadi**, Head of National Research Council, Indonesia

Plenary Session 3: Innovation Clusters and Sustainable Development

Innovation cluster is a tool to boosting regional economic growth where public and private sectors can meet and interact to develop ideas, innovate and bring it to the market. In the context of sustainable development, innovation cluster become an accelerator to foster knowledge and innovation by integrating the environmental, social, and economic elements. There are many innovation clusters that have been driven by local knowledge and young innovators leading to improving the regional economy. The session will provide knowledge on the innovation cluster development

policy, innovation cluster role in sustainable development, and how to strengthen the innovation cluster networks to boost local economic growth.

Keynote Speech:



"How to Build Innovative SME in Developing Country"

Dr. Raimund Broechler

- Vice President of International Network for SMEs (INSME)
- Senior Delivery Manager of INTRASOFT Intl. S. A., Luxemburg

Panel Speakers

- **Prof. Fred Young Phillips**, Distinguished Professor of Yuanze University, Taiwan in association with **Prof. Deog-Seong Oh**, President of Chungnam National University, Republic of Korea
"Sharing Knowledge: Developing Innovation Cluster for Sustainable Development in Taiwan"
- **Atty Suharti Tochija, SE**, Mayor of Cimahi (Baros Innovation Cluster), Indonesia (TBC)
"Implementing Innovation Cluster in a Developing Country"
- **Dr. Khoirul Anwar**, Researcher, Japan Advance Institute of Science and Technology (TBC)
"Sharing Experience: Creating Industry-Based Innovation"
- **Dr. (HC). Martha Tilaar**, Founder and CEO of Martina Berto, Indonesia (TBC)
"Elevating Traditional Products to the Global Market"

Moderator: **Marga Alisyahbana PhD**, Vice President of the Indonesia Institute of Technology

III. THEMATIC SPECIAL SESSION

Thematic Special Session A: Smart City Development

Many cities in the world are facing the high rate of urbanization which bring subsequent problems such as waste management, equality in education and economic services, reliable public transportation, and access to health services. There is a need for innovative and smart urban planning concepts to overcome such problems. Smart City is a concept that explores "smart" way in facilitating the public to have better access through innovative information technology to the government services in economy, environment, education, health and other social services. The forum will share knowledge and experience on the development of smart cities in several countries.

Speakers:

- **Prof. Sang-Ryong Cha**, Professor of Nakasakki University, Japan
"Innovation in Urban Planning to Support Social Welfare"
- **Airin Rachmi Diany, SH., MH.**, Mayor of Tangerang Selatan, Indonesia
"Challenges to Develop Tangerang Selatan as Smart City"
- **Ir. Ridwan Kamil**, Mayor of Bandung, Indonesia (TBC)
"Challenges to Develop Bandung as Smart City"
- **Dr. Zulkieflimansyah**, Member of the House of Representatives, Indonesia
"Strengthening Innovation Capacity to Support Smart City Development"

Moderator: **Dr. Kusmayanto Kadiman**, Former Minister of Research and Technology of Indonesia

Thematic Special Session B: Creative Economy and Green Business

The growing of creative economy is aligning with the development of information technology which lead to the expansion of creative industries based on local culture and science. Creative economy is not only about the creation of economic added value but also the creation of added value in social, cultural, and environmental aspects. The development of renewable resources and technology innovation could support creating creative economic opportunities through the growing creative industries. In the era of sustainable development, the concept of green business is emerging as one of the creative industries. To stimulate creative economy opportunities, it has to be supported by the universities in improving the quality and quantity of human resources. The forum will elaborate the concept of green business strives to bring positive impacts to the economy, environment and community.

Speakers

- **Dr. Ilkka Kakko**, Founder and Partner of Karostech Ltd., Finland
"How to Elaborate Creative Innovation into Economy"
- **Prof. Byung Joo Kang**, Secretary General of WTA
"How to Develop Creative Economy Cluster to Support Regional Economic Growth"
- **Mr. M. Ihsan Akhirulsyah**, Chief of Financial Officer, eFishery, Indonesia
"Developing Creative Economy Based on Innovation Fishery"
- **Mr. Triawan Munaf**, Head of Creative Economy Board, Indonesia (TBC)
"Creativity and Innovation as Keys for Economic Growth"

Moderator: **Prof. Dr. Sudarso Kaderi Wiryono, DEA**, School of Business and Management, Bandung Institute of Technology

IV. ASSOCIATE EVENTS

- **WTA General Assembly**
 - 10th WTA General Assembly
 - 30th WTA Executive Board Meeting
 - WTA Mayors' Forum
 - WTA University Presidents' Forum
- **UNESCO-WTA Asia Pacific Regional Training Workshop**
- **Hi-Tech Fair:** international exhibition to build a strong network between innovation leaders and hi-tech businesses

V. PARTICIPANTS

Total of Participants : ± 1000 persons, consist of :

1. Members of WTA
2. Universities
3. Research institutions
4. Industries
5. Central Governments
6. Regional Governments (APEKSI/APKABSI)
7. Representative of Related Countries
8. Communities

- **10th WTA General Assembly (WTA Member)**

No.	Member		Participant Info.	
	City/Organization name	Country	Job title	Name
1	Abubakar Tafawa Balewa University	Nigeria	Vice Chancellor	Saminu Ibrahim
2	Antonio Narino Univ.	Colombia	President	Marta Losada Falk
3	Chungnam National University	Republic of Korea	President	Deog-Seong Oh
4	Daejeon Metropolitan City	Republic of Korea	Mayor	Sun-Taik Kwon
5	Future University	Sudan	President	El Tayeb Mustafa
6	Hefei	China	TBD	TBD
7	International Network for SMEs	-	Vice President	Raimund Broechler
8	McAllen	USA	Mayor	Jim Darling
9	McAllen	USA	President	Keith Patridge
10	PUSPIPTEK	Indonesia	Head	Sri Setiawati
11	Souphanouvong University	Lao P.D.R	President	Khamphay Sisavanh
12	South Tangerang City	Indonesia	Mayor	Airin Rachmi Diany

- **VVIP Invitation :**

1. Director General of UNESCO
2. Minister Prof. Ashraf El Shiehy - Minister of Higher Education and Scientific Research Egypt
3. Ambassadors of Related Countries

- **University President's Forum**

1. Bogor Agricultural University (IPB)
2. University of Gadjah Mada (UGM)
3. Bandung Institute of Technology (ITB)
4. University of Airlangga
5. University of Brawijaya
6. University of Andalas
7. University of Kutai Timur
8. University of Hasanudin
9. University of Udayana
10. University of Papua
11. Institute Technology of Indonesia
12. University of Pamulang
13. University of Multimedia Nusantara
14. University of Indonesia
15. University of Padjadjaran
16. University of Diponegoro
17. Institute Technology of Sepuluh Nopember
18. University of Islam Negeri Jakarta
19. University of Muhammadiyah Jakarta
20. University of Sahid
21. University of Bina Nusantara
22. University of Pembangunan Jaya
23. Swiss German University
24. Surya University
25. University of Pelita Harapan
26. University of Negeri Jakarta
27. University of Suryakencana
28. University of Sultan Agung Tirtayasa
29. University of Katolik Atmajaya
30. STMIK AMIKOM Yogyakarta

Asean :

1. Universiti Sains Malaysia (Malaysia)
2. Silliman University (Filipina)
3. Nanyang Technological University (Singapore)
4. Ho Chi Minh City University Of Technology (Vietnam)
5. Asian Institute Of Technology (Thailand)

Others:

1. Korea Advanced Institute Of Science And Technology/Kaist (Korea Selatan)
2. Chinese Taipei the National Chiao Tung University (China)
3. Technical University Of Dortmund (Germany)
4. University Of Antonio Narino (Colombia)
5. National University Of Sciences & Technology (Pakistan)

• **Mayor Forum**

1. Taipei
2. Daejeon
3. Gliwice
4. Ipswich
5. Sapporo
6. Bangalore
7. Penang
8. Uppsala
9. Isfahan
10. Solo
11. Bandung
12. Surabaya
13. Bantaeng
14. Pekalongan
15. Cimahi
16. Kaur
17. Sragen
18. Banyuwangi
19. Batam
20. Bogor
21. Pelalawan
22. Yogyakarta

Daily Timetable (tentative)

20th SEP (TUE)			21st SEP (WED)				22nd SEP (THU)					23rd SEP (FRI)								
	WTA General Assembly	UNESCO-WTA Regional Workshop		Tangsel Global Innovation Forum	WTA General Assembly	Hi-Tech Fair	Side Event		Tangsel Global Innovation Forum	WTA General Assembly	Hi-Tech Fair	Side Event	Post Tour							
08:00-08:30		Registration	08:00-08:30	Registration			Exhibition	08:00-08:30	Registration	WTA Mayor's Forum (1001, Mid Sized)	Exhibition	Business Meeting	Post Tour							
08:30-09:00			08:30-09:00					08:30-09:00						08:30-09:00						
09:00-09:30		Opening Ceremony (GWB 1002) (Pak Patono, UNESCO, WTA)	09:00-09:45	Opening Ceremony (Auditorium GWB)				09:00-09:30	Plenary Session 3 (Auditorium GWB)					WTA Mayor's Forum (1001, Mid Sized)	Exhibition	Business Meeting	Technical Presentation	Youth Creativity Competition		
09:30-10:00		Keynote Lecture (GWB 1002)	09:45-10:00	Break				09:30-10:00												
10:00-10:30			10:00-10:40	Keynote Speech (Auditorium GWB)				10:00-10:30												
10:30-11:00		Break	10:40-11:00	Plenary Session 1 (Auditorium GWB)				10:30-11:00												
11:00-11:30		Academic Lecture (GWB 1002)	11:00-11:30					11:00-11:30	Break					11:00-11:30						
11:30-12:00			11:30-12:00	Lunch (lobby)				11:30-12:00	Thematic Special Session 2 (Auditorium GWB)					WTA Mayor's Forum (1001, Mid Sized)	Exhibition	Business Meeting	Technical Presentation	Youth Creativity Competition		
12:00-12:30		Lunch	12:00-12:30					12:00-12:30											12:00-12:30	12:00-12:30
12:30-13:00			12:30-13:00	Lunch (lobby)				12:30-13:00	Lunch (lobby)					Exhibition	Business Meeting	Technical Presentation	Youth Creativity Competition			
13:00-13:30		13:00-13:30	13:00-13:30					13:00-13:30	13:00-13:30									13:00-13:30		
13:30-14:00		GIF Organizing Committee Meeting (2005 - Executive seat 25; each mic for seat)	Academic Lecture (GWB 1002)	13:30-14:00	Thematic Special Session A (Auditorium GWB)			Launching Ceremony UNESCO Science Report	13:30-14:00					Lunch (lobby)			Exhibition	Business Meeting	Post Tour	
14:00-14:30			Working Group Discussion	14:00-14:30					14:00-14:30					14:00-14:30	14:00-14:30	14:00-14:30				Round Table Meeting (Auditorium GWB, U Shape 60 seats, behind for audience)
14:30-15:00	Closing Remark		15:00-15:30	14:30-15:00	14:30-15:00	14:30-15:00	14:30-15:00													
15:00-15:30	29th WTA Executive Board Meeting (2005 - Executive seat 25; each mic for seat)	Closing Remark	15:00-15:30	WTA University Presidents Forum (1001; Mid Sized 100)			Launching Ceremony WPO Report	15:00-15:30	Round Table Meeting (Auditorium GWB, U Shape 60 seats, behind for audience)			Exhibition	Business Meeting	Technical Presentation	Youth Creativity Competition					
15:30-16:00			15:30-16:00					Break			15:30-16:00									
16:00-16:30			16:00-16:30	Plenary Session 2 (Auditorium GWB)				16:00-16:30	10th WTA General Assembly (Auditorium GWB, U Shape 70, Audience 200)	WTA Mayor's Forum (1001, Mid Sized)	Exhibition					Business Meeting	Technical Presentation	Youth Creativity Competition		
16:30-17:00			16:30-17:00					16:30-17:00											16:30-17:00	16:30-17:00
17:00-17:30			17:00-17:30	Welcome Reception (Football Field)				17:00-17:30	Closing Ceremony & Farewell Dinner (Football Field)							Exhibition	Business Meeting	Technical Presentation	Youth Creativity Competition	
17:30-18:00	17:30-18:00	17:30-18:00	17:30-18:00				17:30-18:00													
18:00-18:30	Welcome Reception (Football Field)		18:00-18:30	Welcome Dinner (Football Field)			18:00-18:30	Closing Ceremony & Farewell Dinner (Football Field)			Exhibition	Business Meeting	Technical Presentation	Youth Creativity Competition						
18:30-19:00	Welcome Reception (Football Field)		18:30-19:00				18:30-19:00	18:30-19:00												
19:00-19:30	Welcome Reception (Football Field)		19:00-19:30	Welcome Dinner (Football Field)			19:00-19:30	Closing Ceremony & Farewell Dinner (Football Field)			Exhibition	Business Meeting	Technical Presentation	Youth Creativity Competition						
19:30-20:00	Welcome Reception (Football Field)		19:30-20:00	19:30-20:00	19:30-20:00															