IM2012

Beijing

INNOVATIVE METHODS FOR INNOVATION MANAGEMENT AND POLICY (IM2012)

Conference Agenda

May 21-24,2012
Beijing Friendship Hotel

Organizers：

Beijing Institute of Technology
School of Management and Economics

Georgia Institute of Technology
School of Public Policy

University of Manchester
Manchester Institute of Innovation Research

Sponsors:

NSFC

SKF Group

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Notice to Attendees

Distinguished Guests,

We appreciate your presence at "International Conference on Innovative Methods for Innovation Management and Policy (IM2012)". Please read the notice carefully and contact us in case you have any comment or inquiry.

1. The attendees should enter the conference room 10 minutes ahead of the schedule and submit your PowerPoint Slides to the . Please set your cell phone to mute during the conference.

2. The agenda below is just draft for attendees' reference. The final one will be adjusted according to the actual conference.

3. Please keep your Attendee Card well before the ending of the conference.

4. Every attendee will deliver his or her presentation within 15 minutes. There is another 5 minutes for the Q & A session.

5. Please enjoy your buffet lunch with the Lunch Voucher at Jufuyuan Dining Room, the Friendship Palace of Friendship Hotel, on May 22nd and 23rd. The dinner will be at Juheyuan Dining Room, the Friendship Palace of Friendship Hotel on May 22nd.

6. If you want to participate in the tour on May 24th and you are living at Friendship Hotel, please gather together in front of Building 1, Friendship Hotel at 8:15; if you are living at BIT International Educational Exchange Building, please gather together at the BIT hotel gate at 8:10.

7. Please take care of your belongings during the conference.

8. The room for the conference committee is in No. 0310, Yingbin Building (Building 3).Please contact us in case you are in trouble:

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   Xiao Zhou：+86 134 8868 5611,

   Jie Ren：+86 137 1765 9216.

IM2012 Conference Agenda

May 21, Monday

14:00 – 18:00	Registration
	(Friendship Palace, Beijing Friendship Hotel)

May 22, Tuesday

Opening Ceremony	7:30 – 9:00	Registration
(JuYing hall,		(Friendship Palace, Beijing Friendship Hotel)
Friendship Palace,	8:30 – 9:00	Opening Remarks
Beijing Friendship	9:00 – 10:00	**Keynote Speech: Fang Xin (CAS)**
Hotel)		**Title:** From Imitation to Innovation: A Strategic Adjustment in China's S&T Development
	10:00 – 10:30	Taking Photos and Break for tea/coffee
	10:30 – 11: 30	**Keynote Speech: Rakesh Makhija (SKF Group)**
		Title: Innovation for Growth
Lunch	12:00 – 13:30	Buffet
Parallel sessions		Session 1(Theme 1A, Room 1), chair: Abdullah Gök
(Friendship Palace,		Session 2(Theme 2A,Room2), chair: Luciano Kay
Beijing Friendship	13:30 – 15:00	Session 3(Theme 6A,Room 4), chair: Harry Rothman
Hotel)		Session 4(Theme 4,Room 5), chair: Sean Rothman
		Session 5(Theme 7,Room 7), chair: Jan Youtie
	15:00 – 15:15	Break for tea/coffee
		Session 1(Theme 1A, Room 1), chair: Abdullah Gök
		Session 2(Theme 2A,Room2), chair: Luciano Kay
	15:15 – 17:30	Session 3(Theme 6A,Room 4), chair: Harry Rothman
		Session 4(Theme 4,Room 5), chair: Sean Rothman
		Session 5(Theme 7,Room 7), chair: Jan Youtie
Welcome Dinner	18:00 – 20:00	(Juheyuan Restaurant)

May 23, Wednesday

Parallel sessions		Session 6(Theme 1B, Room 1), chair: Juan Rogers
(Friendship Palace,		Session 7(Theme 2B, Room 2), chair: Alan Porter
Beijing Friendship		Session 8(Theme 6B, Room 4), chair: Philip Shapira
Hotel)	8:30 – 10:00	Session 9(Theme 5/8,Room 5), chair: Scott Cuningham
		Session 10(Theme 3, Room 7), chair: Elvira Uyarra
	10:00 – 10:15	Break for tea/coffee
		Session 6(Theme 1B, Room 1), chair: Juan Rogers
		Session 7(Theme 2B, Room 2), chair: Alan Porter
	10:15 – 12:00	Session 8(Theme 6B, Room 4), chair: Philip Shapira
		Session 9(Theme 5/8,Room 5), chair: Scott Cuningham

		Session 10(Theme 3, Room 7), chair: Elvira Uyarra
Lunch	12:00 – 13:30	Buffet
Closing Ceremony (Multi-function Hall, Building No.1, Beijing Friendship Hotel)	13:30 – 14:30	**Keynote Speech: Fred Phillips（SUNY）** **Title:** Meta-measures for Technology and Environment
	14:30 – 14:45	Break for tea/coffee
	14:45 – 15:45	**Keynote Speech: Alexander Sokolov（ISSEK, HSE）** **Title:** S&T Foresight in Russia: Integration to the National STI Policies
	15:45 – 16: 15	Closing Remarks

May 24, Thursday

Tour	8:30 – 16:30	the Juyongguan Great Wall, God Way Ming Tombs

Eight Themes

Theme 1: New approaches to developing strategic intelligence to inform science, technology and innovation management and policy

Theme 2: Data analysis to reveal and demonstrate science, technology and innovation dynamics

Theme 3: Integrating data, analytical, and visualization approaches to gain usable insights into newly emerging science and technologies

Theme 4: Methods to better understand what science, technology and innovation strategies and policies work and under what circumstances in today's global economy and society

Theme 5: Building future-oriented technology analysis (FTA) capacities for emerging technologies

Theme 6: Assessing R&D policy and decision making -strategies, tactics, results, and impacts

Theme 7: Incorporating analytical insights and assessment into the effective and responsible governance of science, technology and innovation

Theme 8: Other

Note: All the sessions will be held in the second floor conference rooms, the Friendship Palace of Friendship Hotel.

Theme 1A: New approaches to developing strategic intelligence to inform science, technology and innovation management and policy
May 22, 13:30-17:30, Room1
Chair: Abdullah Gök

No.	Title of the paper	Presenter
1	Mobile E-Learning Application Adoption Analysis With The Modified Technology Acceptance Model Based on Online Consumer Behaviors	Chi-Yo Huang
2	Serial and Comparative Method for Analysis of Innovation Policy Formation and Policy Change	Marja-Liisa Niinikoski
3	The Evolution and Use of a Policy Tool: assessing the innovation capabilities of firms	Howard Rush
4	A new view to build virtual government:"virtual technology + government entities"	Quan Tang
5	The Effects of Smart Devices Use on Individual Creativity	Wenxing Bai
6	Study On Coordinative Strategy of Primary Function Region	Ping Yin
7	An emerging product innovation paradigm in social innovative enterprises	Hosung Son
8	Improving Quality and Efficiency in Scanning and Decision-Making: Future developments of ICT-based Foresight Tools	Heiko A. von der Gracht
9	How to build collective skills through a model of open innovation ?A new approach based on a French experience	Liliana Mitkova
10	Mapping Future Needs and Potential Technologies–a social network analysis method	Yi-Ju Chen
11	Two new indicators for measuring research performance	Ping Zhou

Theme 1B: New approaches to developing strategic intelligence to inform science, technology and innovation management and policy
May 23, 8:30-12:00, Room2
Chair: Juan Rogers

No.	Title of the paper	Presenter
12	Science and technology information evolution analysis of Earth System Science based on the theme of "Antarctic"	Yanping Zhao
13	Determinants of business and technology strategies of Chinese small and medium-size enterprises (SMEs):Evidence from Green Good Industries	Jie Ren
14	Study in Spatial Distribution Analysis of Science Research Activities based on Toponym Resolution in Text	Jianxia Ma
15	Exploring Heterogeneity in Delphi – A Comparative Evaluation through Parallel Delphi Studies	Alexander Spickermann
16	Rigorous Guidelines for Delphi Research in Foresight – Insights from Real-Time Delphi Studies	Alexander Spickermann
17	Detecting structural change in university research systems: a case study of Australian research policy	Jian Wang
18	Study on matching between acquirer and the target in technological m & a aiming to smooth technology integration	Chundong Guo
19	Future Technology competitive landscape: challenges, tools and links to corporate strategy	Alejandro Sanz
20	Is the difference in research center productivity real?: The effect of concentration of human resources in centers	Juan Rogers
21	Acquiring Nanotechnology Capabilities: Role of Mergers and Acquisitions in the Nanotechnology Ecosystem	Jan Youtie
22	Decision-making, Equivalence and Choice: Real and Imaginary Spaces Based Formalism to Undecidability and Indiscernibility	Gilbert Giacomoni

Theme 2A: Data analysis to reveal and demonstrate science, technology and innovation dynamics
May 22, 13:30-17:30, Room2
Chair: Luciano Kay

No.	Title of the paper	Presenter
1	Indian Agriculture and Small Semi-Mechanized Farm Machinery: A Foresight Scenario for 2030	Deepak Singh
2	Characterizing the evolution of the EU-US R&D intensity gap using data from top R&D performers	J. Stančík
3	Technical change and Labor market in Mexico: Anticipating the shape of occupation and qualification for a better assessment	Luis Huesca
4	Development of a National Competitiveness Index Based on a Structural Equation Model	Yong Han Ju and So Young Sohn
5	Research on the Influence of Regional Technological Innovation Ability towards Economic Growth——based on empirical analysis to the cross-section data in 2010 of 31 cities	Xiao-hong Chen
6	Innovation performance of high-tech industry in China	Zong-zhen Jin
7	Foreign direct investment and productivity spillovers: firm level evidence from Chilean industrial sector.	Daniel Sotelsek
8	The effect of international knowledge flow on the industry innovation performance in China	Jia Liu
9	Identification of current S&T network and development for future needs	Tai-Chi Wang
10	Dispersed Knowledge Networks and their Implications for National Innovation Systems－An Investigation of Australia and China's Scientific Relationships	Xiaosi Niu
11	Researches on Operation Mechanism of SMES' Open Innovation Based on Value Network	Xuehe Zhang
12	Web Usage metrics of an e-research infrastructure as an indicator of research activity and its relation to classical bibliometric indicators	Koen Jonkers

Theme 2B: Data analysis to reveal and demonstrate science, technology and innovation dynamics
May 23, 8:30-12:00, Room2
Chair: Alan Porter

No.	Title of the paper	Presenter
13	Research on Evaluation System of Enterprise Human Resources Risk Management based on Fuzzy Integral	Xiaohong Lin
14	Implementing Data Envelopment Analysis to Evaluate the Performance of Solar Photovoltaic Industries in Different Countries	Kune-muh Tsai
15	Tech Mining To Identify Topical Emergence In Management Of Technology	Alan Porter
16	An Inductive Method for "Term Clumping": A Case Study on Dye-Sensitized Solar Cells	Zhengyin Hu
17	The impact of R&D and patent activity on company performance: Empirical study of the pharmaceutical industry	Zhiqiang Liu
18	R&D activities in start-up firms	Jue Wang
19	A Technology Foresight Method Based on TRIZ and TRM Theory	Xiao Zhou
20	Research on Relationship between Performance and Human Resource Configuration of Complex Innovation Projects of the Growing Enterprises in China	Liu Qing
21	Innovation Risk Path Assessing for A Newly Emerging Science & Technology: Illustrated For Dye-Sensitized Solar Cells	Tingting Ma
22	Technology Roadmapping and Tech Mining in Manufacturing Technology	Yin Li
23	Some Weighted Ranking Functions Of Dynamic Intuitionistic Fuzzy Sets And Their Applications To Multiple Attribute Decision Making	Zhang Zhen-Hua
24	Homoplasy And Embeddedness :Comparison Of Government Functions Of Bric In Nis	Zhong Hui-bo

Theme 3: Integrating data, analytical, and visualization approaches to gain usable insights into newly emerging science and technologies
May 23, 8:30-12:00, Room7
Chair: Elvira Uyarra

No.	Title of the paper	Presenter
1	A Generic Approach to Assessing and Advancing the Competent Use of Visual Representations and Visualization Techniques in Science and Innovation Discourses	Luc Pauwels
2	Mapping the Intellectual Structure of the Life Cycle Assessments Field through Co-citation Analysis	Ge Qian
3	Potential applications of carbon nanotubes and graphene: marking the direction of scientific research	Etxebarria Goio
4	Study of scientific output and transfer in nanosciences, based on the makeup and institutionalization of research groups: A comparative analysis of the Basque Country, Finland and Sweden.	Zabala Jon Mikel
5	Research on E-commerce Model Based on the" three stream" Collaborative Operation Mechanism	Tang Xuan
6	Trend of Lithium Iron Phosphate Battery Technology Development	John S. Liu
7	Development of Genetically Modified Food in the interaction of factors from society, economy, ecology, biology and biotechnology	Yuxian Liu
8	Inter-institutional collaboration network in Brazilian science in biotechnology applied to human health: an empirical study on co-authorship networks	Santana Taris Maria
9	Conceptualizing Drivers and Operationalizing Measures of Growth in Green Goods Small and Medium-Size Enterprises	Elvira Uyarra
10	Evolutionary Paths Of Change Of Emerging Nanotechnological Knowledge Bases: The Case Of Zno Nanostructures	Alfonso Avila-Robinson
11	Organizing a multidisciplinary workshop for forecasting innovation pathways the case of nano-enabled biosensors	Yanhua Zhao

Theme 4: Methods to better understand what science, technology and innovation strategies and policies work and under what circumstances in today's global economy and society
May 22, 13:30-17:00, Room5
Chair: Sean Rothman

No.	Title of the paper	Presenter
1	Mobile Information Service Application based on the Telecommunication Company in China	Luo Feng
2	Organizational practices, individual characteristics and employee retention in the oil and gas industry in Malaysia	Harikrishnan KanthenK
3	The value of "sociality"	Evgeniya Lukinova
4	The design and application of enterprise value non-financial Carbon Disclosure Index——Taking Chinese listed company as sample	Xueting Li
5	Building entrepreneur's innovativeness through knowledge management: the mediating effect of entrepreneurial alertness	Yu Cui
6	Technological innovation in Brazil, Russia, India, China and South Africa (BRICS): An Organizational Ecology Perspective	Hao Jiao
7	Virtual Learning Methods to Explore and Examine Technology and Innovative Strategies in Today's Global Economy and Society	Bob Barrett
8	Sustainability transition in basic industry - the forgotten sector	Alexandra Nikoleris
9	Information disclosure of listed companies carbon status and analysis- A sample of the coal industry	Zexuan Jia
10	Anticipating Obstruction to Science and Technology Policy: When and How Does Technological Change Create Political Backlash?	Mark Zachary Taylor
11	The Next Generation: The Management Of Clusters	Christiane Gebhardt
12	Social Context Inclusion in Energy Scenario Construction: A Study of Evolving Debate of Nuclear Energy in India Using Cross Impact Analysis	Deepak Singh

Theme 5: Building future-oriented technology analysis (FTA) capacities for emerging technologies
May 23, 8:30-12:00, Room5
Chair: Scott Cuningham

No.	Title of the paper	Presenter
1	New Approaches to Elicit Trends and Scenarios of Selected AI Technologies	Andrzej M.J. Skulimowski
2	Commercialization Potential Forecasting for Emerging Technology: nano-Enhanced Biosensors	Lu Huang
3	vector platforms for nano-enhanced drug delivery: capturing innovation pathways in the making	Douglas K. R. Robinson
4	Signs of Things to Come? What Intellectual Property Submissions Say About Corporate Strategies In Emerging Technologies	Luciano Kay

Theme 6A: Assessing R&D policy and decision making -strategies, tactics, results, and impacts
May 22, 13:30-17:30, Room4
Chair: Harry Rothman

No.	Title of the paper	Presenter
1	Determinants of the Utilization of Social Science Research in Public health Administration: Empirical Evidences from Survey Data in the Canadian Context	Moktar Lamari
2	S&T and innovation policies in Russia: current steps toward a new model	Tatiana Kuznetsova
3	An investigation to assess the potential benefits of Iranian almond R&D	Seyed Safdar Hosseini
4	Technology Innovation Risk Management based on Bayesian Decision-Making	Yingchun Guo
5	Innovation Management Mode of Huawei and Its Implications	Yongju Ren
6	Social capital and knowledge sharing: A team level analysis	Yi-Chih Lee
7	China's New Energy Vehicle Policy in the light of green growth – an Analysis of their impact and challenges	Ulrike Tagscherer
8	Integrated Approach For An Evaluation Of National Foresight Studies	A. Sokolova
9	Technology Gap, Environmental Spillovers and Absorptive Capacity	Ben M'rad Hichem
10	A bibliometric assessment on NSFC's funding in Energy field compared with NSF and JSPS	Wei Fan
11	National Innovation System of Russia: on the Way from Planned to Marketing Economy	Tatiana Chernyavskaya
12	Latecomer Strategies in Complex Systems: Emerging Markets and the Aerospace Industry	Nazrul Islam

Theme 6B: Assessing R&D policy and decision making -strategies, tactics, results, and impacts
May 23, 8:30-12:00, Room4
Chair: Philip Shapira

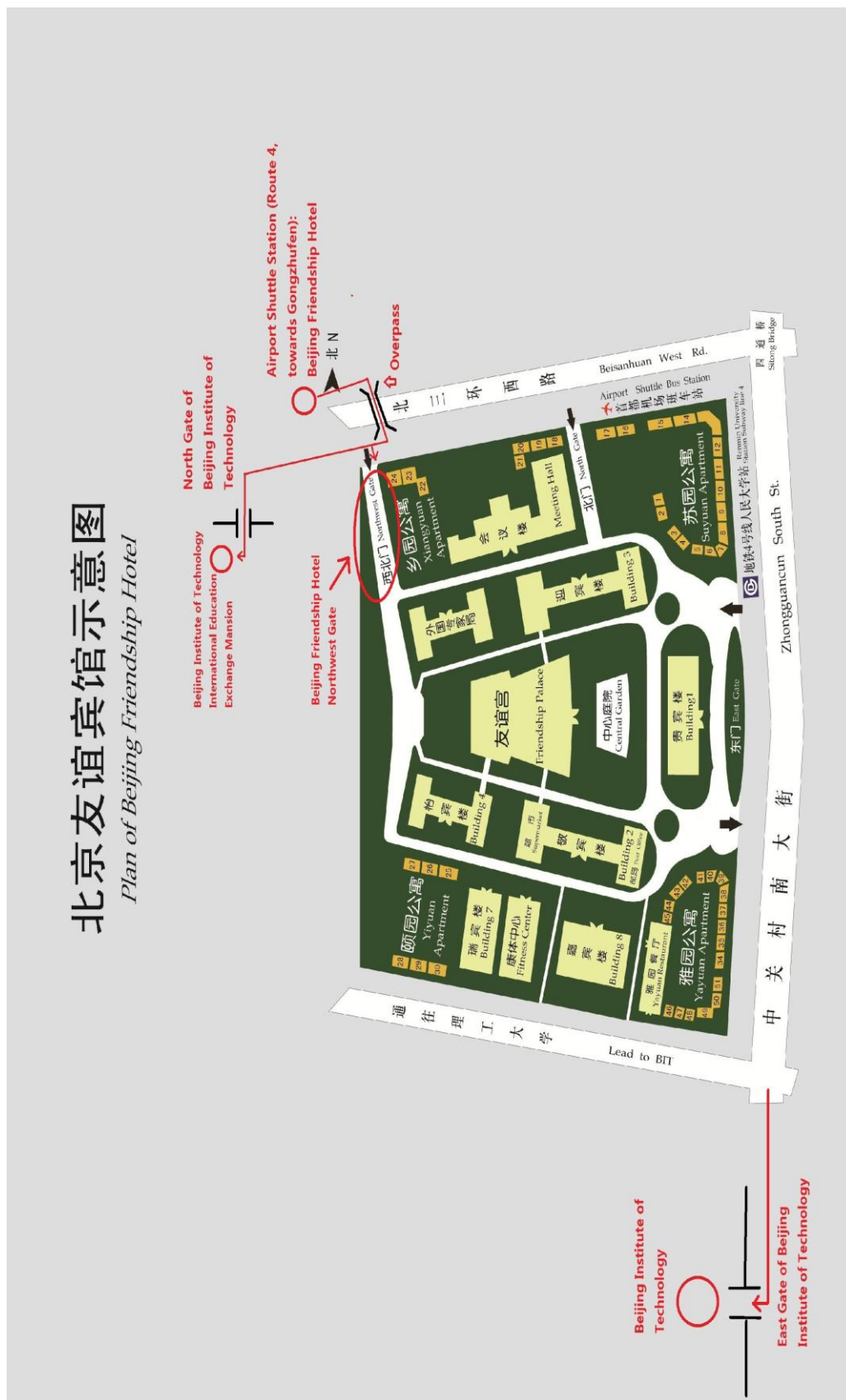| No.	Title of the paper	Presenter
13	Emerging Actors in Nanotechnology – Tracing the Clusters and Collaborative Networks	Sercan Ozcan
14	use of multi-level self-regulating agents to evaluate the impact of innovation policies in socio-economic environments	Francesco Niglia
15	Board of Directors Evaluation Appraisal	Razali Mahfar
16	Transboundary pollution and Strategic R&D spillovers	Ben M'rad Hichem
17	Financing innovation: strategy and the choice of funding sources	Jaime H. Sierra Gonzalez
18	Competition and global innovation efforts to address key challenges: lessons from the Google Lunar X Prize	Luciano Kay
19	Giants in small worlds? Innovation and nanotechnology development in China and Russia	Evgeny A. Klochikhin
20	Probing "Green" Industry Innovation in the UK: What Can Be Counted and What Counts?	Phil Shapira
21	Synergetic analysis of region bio-industry development system	Lidan Zhao
22	Impact of Public Policy on Chinese Renewable Energy Field: Case Study on Wind Power	Jie Ren
23	Technology Rules And Business Model: The Case Of Qihoo 360	Yanli Zhang

Theme 7: Incorporating analytical insights and assessment into the effective and responsible governance of science, technology and innovation
May 22, 13:30-17:30, Room7
Chair: Jan Youtie

No.	Title of the paper	Presenter
1	Study on comprehensive evaluation of enterprise technical innovation ability	Fangwen Yang
2	Innovation policy and the developmental state	Michael Kahn
3	Investigating the nonlinear relationships between social capital and knowledge transfer in international alliances: An analysis using artificial neural networks and multivariate adaptive regression spines	Wei-Li Wu
4	Applying TreeNet to explore the relationship between R&D teams' absorptive capacity and innovation performance	Wei-Li Wu
5	Entrepreneurial Ecosystems and Capabilities of Universities: A Comparative Analysis of KAIST and MIT	Hyungseok Yoon
6	Innovation strategies for the hydrogen economy – A critical review	Oscar Svensson
7	A study on CEO succession type, Top management team adjustment and firm performance	Tinting Luo
8	New Industrial Policy For Firm Engagement And Upgrading In Buyer-Driven Global Value Chains: A Case Study Of The Peruvian Textile Sector	Miklos Lukacs de Pereny
9	The DRSA based Rule Derivations for Crystal Cycle Fluctuations	Chi-Yo Huang
10	The choquet integral based novel mcdm framework for evaluating the co-dependent technology transfer models for novel technology	Chi-Yo Huang
11	An approach for the identification of global technology trends the case of semantic technologies	Ozcan Saritas

Theme 8: Other
May 23, 8:30-12:00, Room5
Chair: Scott Cuningham

No.	Title of the paper	Presenter
1	A Moderation Study of Organizational Integration and NPD Process Proficiency in the U.S. and Korean Heavy Construction Equipment Industries	Murray R. Millson
2	The cross-cultural puzzle of international human resource management In China	Lei Gong
3	Trade Impact of Conformity Assessment - Evidence for Medical Products in China	Axel Mangelsdorf
4	A case study on capacity building through technology transfer	George Mulamula
5	Topic Modeling using High Technology SME Websites: A Case of Graphene Firms	Sanjay Arora
6	Inductive Taxonomies for Tracking Nanoscience Subfields	Scott W. Cunningham
7	Assessing the impact of bim adoption on supply chains in the construction sector	Yingli Wang
8	Historical Context Of Research Universities In Thailand	Kreangchai Rungfamai

Plan of Beijing Friendship Hotel

北京友谊宾馆示意图

Plan of Beijing Friendship Hotel

Airport to Beijing Friendship Hotel: Take a taxi or take the airport shuttle bus (line 4: BCIA- Gongzhufen) to the Friendship Hotel Station.

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