



International Training Workshop on **High-tech Clusters** in Global Context

UNESCO-WTA



• **Venue**
Conference Hall(5th Floor),
Daejeon City Hall, Korea

• **Date**
November 6-10, 2006

2006 UNESCO-WTA ●●
Cooperative Project ●●

WTA Secretariat
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2006 UNESCO-WTA ●●
Cooperative Project ●●

Objectives

- Enhancing the capacity of developing countries in management of science and technology innovation for sustainable development
- Providing technical assistance and policy advice on development of high-tech clusters for the developing countries.
- Networking among experts, managers and officers of high-tech and innovative clusters


Opening Ceremony
UNESCO-WTA Cooperative Workshop

- Time : 09:30 ~ 10:00 A.M. November 6, 2006
- Venue : Conference Hall (5th Floor), Daejeon City Hall

<Opening Address>

- Mr. Park, Seoung-Hyo (President of WTA, Mayor of Daejeon Metropolitan City)

<Congratulatory Address>

- Mr. Yoslan Nur (Representative of UNESCO)
- Mr. Shin, Jang-Bum (President of KOICA)
- Rector. Eberhard Becker (President of WTA University President Forum)
- Mr. Kim, Young-Gwan (Chairman of Daejeon Metropolitan City Council)
- Mr. Kang, Hui-Bok (Mayor of Asan City)
- Mr. Kim, Gi-Yeol (Mayor of Wonju City)

UNESCO-WTA Technopolis Development Center (UWTDC)

- Time : 11:10 ~ 11:30 A.M. November 6, 2006
- Venue : 20th Floor, Daejeon City Hall

Workshop Sessions DAY 1 ~ DAY 3

- Date : November 6~8(3 days), 2006
- Venue : Conference Hall (5th Floor), Daejeon City Hall
- Main Topic : **High-tech Clusters in Global Context**
 - **Session 1** : Sustainable Development of Science City
 - **Session 2** : University-Industry Partnership on Science and Technology Innovation
 - **Session 3** : Innovative Cluster of Knowledge-based Industries
- Keynote Speech
 - Dr. **Michael Luger** (Professor, University of North Carolina)
"RESEARCH PARKS REDUX : The Changing Landscape of the High-Tech Garden"
 - Dr. **Klaus R. Kunzmann** (Professor, University of Dortmund)
"Strategic Regional Development with Creative Industries"
- **Lectures** : presentations by **12 speakers** from academia, science parks and local governments
- **Case Presentations** : about **8 cases** of high-tech and innovation clusters in global context
- **Introduction & Conclusion** : Prof. **Deog-Seong Oh** (WTA Secretary General), **Dr. Yoslan Nur** (UNESCO)

Post-workshop tour DAY 4~ DAY 5

After the workshop session, Day 4, 5 of the program will include technical and cultural tour program.

• Technical Tour : Daedeok Valley, Daejeon / Kyongbuk Technopark, Gyeongsan (DAY 4)

- **DAEDEOK INNOPOLIS** (R&D Center Managing Office in Daedeok Science Town) 09:30~10:00 A.M
<http://www.ddinnopolis.or.kr/english/index.php>
- **Korea Institute of Energy Research (KIER)** 10:00~10:50 A.M
<http://www.kier.re.kr/eng/index.jsp>
- **Korea Research Institute of Bioscience and Biotechnology (KRIBB)** 11:00~11:50 A.M
<http://www.kribb.re.kr/eng>
- **Kyonbuk Techno Park (KTP)** 15:30~17:00 P.M
<http://www.ktp.or.kr/>

• Cultural Tour : Gyeongju Historic Area (UNESCO World Heritage) (DAY 5)

Gyeongju is a city of history, culture and sightseeing which attracts a lot of tourists from home and abroad and there are abundant treasures throughout the city. Mt. Namsan, Wolseong, Daereungwon and Hwangnyongsa as well as Seokgulam and Bulguksa are registered on the list of the World Cultural Heritage. The night lighting that has been set up in the historic sites such as Anapji are to make your visit a more worthwhile stay in Gyeongju. Gyeongju is a harmonious city with old and modern buildings coinciding with day and night.


About the Cooperation between UNESCO and WTA
2006 UNESCO-WTA Cooperative Project

History

- **May 2005**
Activity-Financing Contract for mutual cooperation between UNESCO and WTA was concluded
- **October 2005**
Elaboration feasibility study for development of UNESCO-WTA Center for Science City Governance
- **November 1-7, 2005**
UNESCO-WTA Cooperative Workshop on Science City Governance
- 54 participants from 28 cities in 17 countries, including 11 lecturers and 24 case presenters.
- **April 7, 2006**
During its 174th Session, the UNESCO Executive Board approved of a formal cooperation between UNESCO and WTA in form of operational relations, implementing a dynamic take-off into world prestigious international non-governmental organization (NGO)

Objectives and Strategies

The main objective of the project is to enhance the capacities of developing countries in the management of science, technology and innovation for sustainable development. Among other areas the project may focus on fields such as information and communication technology, biotechnology as well as other high-tech activities. The basic element of the project is capacity building and technical assistance in science city governance. Specifically, the project will offer capacity building activities on the requirements for, and establishment and management of a science city. Furthermore, it will also provide technical assistance and policy advice through pilot projects in the following regions: Asia, Africa, Arab States, East Europe and Latin America.

Project Activities

■ **Capacity building on science city development (innovation clustering)**

We expect to organize one training workshop program per year with 25 managers and researchers from 5 different regions : Africa, Arab States, Asia, Latin America, East Europe. The participants in the training are members of a network for science city development in their region and will actively participate in development of pilot projects.

■ **Technical assistance on science city development on 5 pilot projects**

In the framework of this project, a set of technical assistance will be organized in order to help developing countries to develop a science city.
 - Preparation of feasibility study / Elaboration of science city development plan / Technical advice on networking / Fund seeking and science city establishment / Foreign investment promotion.

■ **Support research and publication related to technopolis development**

- The UNESCO-WTA Technopolis Development Center for science city governance will host researchers and interns, at least one Ph.D or Master degree student. The students should prepare research on subject linking with science city development.
 - Publishing the book and scientific journal in science city governance



Workshop Session

- **Date** : November 6 - 8 (3 days), 2006
- **Venue** : Conference Hall (5th Floor), Daejeon City Hall
- **Main Topic** : "High-Tech Clusters in Global Context"

| Date | Time | Session | Subject | Lecturer | Discussion |
|-----------------------------------|--------------|---|---|--|---|
| DAY 1 Nov. 6th (Mon) | 10:00 -11:00 | Keynote | RESEARCH PARKS REDUX : The Changing Landscape of the High-tech Garden | Dr. Michael Luger (Professor, University of North Carolina) | |
| | 11:30 -12:00 | Opening Ceremony of UNESCO-WTA Technopolis Development Center | | | |
| | 14:00 -14:50 | 1-1 | Strategic Regional Development with Creative Industries | Dr. Klaus R. Kunzmann (Professor, University of Dortmund) | <i>Chairman</i> Dr. DeogSeong Oh (Professor, Chungnam National University) |
| | 14:50 -15:40 | 1-2 | Sustainable Development of Technopolis Case study of Daedeok Valley in Korea | Dr. DeogSeong Oh (Professor, Chungnam National University) | <i>Discussant</i> Dr. Seong-Keun Lee (Professor, Yeungnam University) |
| | 16:00 -16:50 | 1-3 | A New Strategic Approach to Science Cities: Towards the Achievement of Sustainable and Balanced Spatial Development | Dr. Gordon Dabinett (Professor, The University of Sheffield) | Dr. Sun-Keun Kim (Professor, Daejeon University) |
| | 16:50 -17:40 | 1-4 | Sustainable Development of Science City in Japan on High-tech Clustering Global Context | Dr. Miyakawa Yasuo (Professor Emeritus, Kyushu University) | Mr. Jin-Ok Lee (Director General, Daejeon City) |

| Date | Time | Session | Subject | Lecturer | Discussion |
|-----------------------------------|--------------|------------|--|---|---|
| DAY 2 Nov. 7th (Tue) | 09:00 -09:40 | 2-1 | University-Industry Partnership on Science and Technology Innovation | Dr. Malcolm Parry (General Manager, Surrey Research Park) | <i>Chairman</i> Mr. John Nugent (President of WTA Oceania Region) |
| | 09:40 -10:20 | 2-2 | University patents and their role as an element of university-industry interaction | Dr. Fritz Krieger (Section Director, University of Dortmund) & Eberhard Becker (Rector, University of Dortmund) | <i>Discussant</i> Dr. Jong-Deuk Kim (Professor, KAIST) |
| | 10:30 -11:10 | 2-3 | Planning and Development of High Technology Industrial Cluster : Case of Tinan Technopolis, Taiwan | Dr. Kung Shiann-Far (Professor, National Chengkung University) | Dr. Hyun-Hoon Song (Professor, Hannam University) |
| | 11:10 -11:50 | 2-4 | Why cities need must change? the imperative, the conversation, and the role of technology | Mr. Michael McAllum (Chairman & CEO, Global Foresight Network) | Dr. Deok-Sun Lim (Dadeok INNOPOLIS) |
| | 14:00 -14:50 | 3-1 | Innovation Clusters in Science Cities? | Dr. Robert Hassink (Professor, University of Oslo) | <i>Chairman</i> Dr. Byung-Joo Kang (Professor, Hannam University) |
| | 14:50 -15:40 | 3-2 | People Networks and Money : The Establishment and Management of Technology Clusters | Mr. Thorsten Hülsmann (Project manager, Future Dortmund Project, City of Dortmund) | <i>Discussant</i> Dr. Jeong-Heum Kim (Professor, University of Science and Technology) |
| | 16:00 -16:50 | 3-3 | Cluster Development : Red light & Green Light | Mr. Ifor Fowcs-Williams (CEO, Cluster Navigators Ltd. New Zealand) | Dr. Seok-Chan Ko (Professor, Dankook University) |
| | 16:50 -17:40 | 3-4 | Innovation and Networks in Industrial Clusters: Empirical Results from three Large Cities | Dr. YoungSub Kwon (Researcher Fellow, Korea Research Institute for Human Settlements) | Dr. Yang-Bin Yim (Professor, Konyang University) |

| Date | Time | Subject | Lecturer | Discussion |
|-----------------------------------|--|---|--|--|
| DAY 3 Nov. 8th (Wed) | 09:00 -09:20 | Case 1 Kyushu Silicon Cluster, Japan | Dr. Asano Tanemasa (Professor, Kyushu University) | <i>Chairman</i> Dr. Michael Luger (Professor, University of North Carolina) |
| | 09:20 -9:40 | Case 2 Daedeok INNOPOLIS, Korea | Mr. Junseok Seo (Director, Dadeok INNOPOLIS) | |
| | 09:40 -10:00 | Case 3 Kitakyushu Eco High-tech Cluster, Japan | Dr. Sanryong Cha (Lecturer, Nagasaki Prefectural University) | |
| | 10:20 -10:40 | Case 4 Kyongbuk Technopark, Korea | Dr. Jaehoon Rhee (CEO, Kyongbuk Technopark) | |
| | 10:40 -11:00 | Case 5 Chungnam Technopark, Korea | Dr. Hakmin Kim (Professor, SoonCheonHyang University) | |
| | 11:00 -11:20 | Case 6 IFEZ and Inha Global University Park, Korea | Dr. Kyungbae Kim (Associate Professor, Inha University) | |
| | 11:20 -11:40 | Case 7 Royal Scientific Society, Jordan | Mr. Khaled Kahlaleh (Vice President, Royal Scientific Society) | |
| | 11:40 -12:00 | Case 8 Science and Technology Cluster in Indonesia | Dr. Anas M.Fauzi (Professor, Bogor Agricultural University, Indonesia) | |
| | 12:00 -12:20 | Case 9 Human and intellectual capital broadcast at the Scientific Technologic Parks | Ms. Sebastiana Luiza Bragança Lana (Itabira Technology Park) | |
| | 14:00 -15:00 | Plenary Discussion | | |
| 15:00 -16:00 | Conclusion by Yoslan Nur (UNESCO), Deog-Seong Oh (WTA Secretary General) | | | |

LECTURER



Dr. Michael Luger
(Professor, University of North Carolina)

Dr. Michael Luger (Professor, University of North Carolina)

Management professor Michael Luger is faculty director of the Center for Competitive Economies. His expertise is in urban and regional economics, economic development, public finance/tax policy, science and technology policy and environmental infrastructure. Dr. Luger has a longstanding prominence in addressing economic development problems, particularly in North Carolina. He has directed several key policy studies for North Carolina, including on worker dislocation, the William S. Lee Act, industry cluster resource centers for the community college system and tobacco decline.

Dr. Luger has published and presented extensively on economic development issues including infrastructure, research and technology parks (including the book, "Technology in the Garden"), university impact, clusters, tax incentives, workforce dynamics and competitiveness in the new economy. His national report on technology infrastructure for distressed communities conducted for the Economic Development Administration is available at www.oed.unc.edu.

Dr. Luger previously served as chairman of the Department of Public Policy and as the Carl H. Pegg Professor of City and Regional Planning, and he continues to hold faculty appointments in those departments. He is a former professional officer for the Greater London Council in London and the former director of planning for the Model Cities Bureau in Scranton, Pa.

He has served as a consultant to many public and private agencies, including the Asian Development Bank, U.S. Agency for International Development, World Bank, RTI International, New York Life Insurance, National Center for Economic Alternatives and Urban Institute.

He received his PhD and MCP from the University of California at Berkeley and his MPA and AB from Princeton University.

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Session 1

14:00 - 14:50



Dr. Klaus R. Kunzmann
(klaus.kunzmann@udo.edu)

Dr. techn. Dipl.Ing, Hon DLitt, Hon RTPI, Univ.-Prof. a.D.

Honorary Professor, University College London, Bartlett School of Planning, London, UK and Department of City Planning and Regional Development, University of Cardiff, Wales / Formerly Jean Monnet Professor of Spatial Planning in Europe, School of Planning, University of Dortmund

Klaus R. Kunzmann (born 1942) studied architecture and urban planning at the Technical University of Munich, and made his Ph.D. in Planning at the Technical University of Vienna, Austria in 1971. From 1974 to 2006 he was Professor at the School of Planning, University of Dortmund, Germany. In 1993 he was awarded a Honorary membership of the RTPI and in 1996 a honorary Ph.D. from the University of Newcastle, England. Since 1995 he is a full member of the German Akademie für Raumforschung. As a visiting professor he has taught, among others, at the ETH Zürich, the Université Paris 8, the University of California, Los Angeles, the School of Architecture and Planning at the Graduate School of Fine Arts of the University of Pennsylvania in Philadelphia, at the Massachusetts Institute of Technology, and the Technische Universität Berlin. For Spring 2007 he has been invited to reside in Rome as visiting professor at the University of Rome, Sapienza. Klaus R. Kunzmann is member of the scientific advisory council of a number of international planning journals, among others, European Planning Studies, International Planning Studies, Built Environment, and Planning Theory and Practice.

His present research interests are, on innovative urban policy and European spatial planning, on regional restructuring, on the learning region, the role of creativity and the arts for spatial and endogenous economic development, and, more recently, in the consequences of China's rapid economic growth for cities and regions in Europe.

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14:50 - 15:40



Dr. DeogSeong Oh
(Professor, Chungnam National University)

Prof. Deog-Seong Oh is currently a professor of College of Engineering at Chungnam National University, Daejeon, Korea.

Now, he is Secretary General of WTA(World Technopolis Association). He has involved in World Technopolis Association as a Chairman of the Academic Committee since 1997 and played a role for the important project.

He received a Master of Urban Planning in 1979 and a Master of Science in Architecture from Seoul National University, Korea in 1981. He got a Ph.D degree in Urban Planning from Hannover University, Germany in 1989. He was a research fellow of Institute of Urban Planning at University of Hannover from 1986 to 1988 and at the University of Sheffield, UK from 1992 to 1993. He was a visiting professor in faculty of spatial planning at University of Dortmund. He also acted the executive director of Regional Development Research Institute (RDRI) for 7 years from 1995 to 2002 and did provost of Chungnam National University. In academic society, he was vice president of KPA(Korean Planner Association) and chief editor of APPR(Asian Pacific Planning Review)

His recent research interests are on urban design and planning, on sustainable development, and on high technology based regional development. He has published about 200 papers at various international & national journals on urban planning, regional development, high-technology development. etc. In addition, he has written 9 books (main author) on Architecture, Urban Planning & Design, Regional Development and worked for several crucial projects of Regional development and Urban Planning like 'Greenbelt on Daedeok Science Town', 'Daejeon Science Industrial Park', 'Ecological & Cultural Planning Daedeok Techno-Valley', 'A Study on the Urban Regeneration Model based on Growth Management', 'Daejeon Regional Innovation Development Plan' etc.

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16:00 - 16:50



Dr. Gordon Dabinett
(Professor, The University of Sheffield)

Gordon Dabinett joined the Department in 2002, and his research interests focus on urban and regional policy, uneven economic development and spatial justice within Europe. He teaches policy analysis, regional planning and research methodology. Gordon is an Academician in the Social Sciences, Honorary Vice-chair of the Regional Studies Association, and member of the RTPI and IED. Before joining the University he was involved in a range of applied research projects whilst working in the Centre for Regional Economic & Social Research (CRESR) at Sheffield Hallam University. Gordon graduated with a BSc (Hons) in Town Planning from Heriot-Watt University in 1976, and then studied for an MSc at the University of Cambridge by undertaking research on local economic development policy formulation. In 1979 he moved to the University of Newcastle-Upon-Tyne, where he worked in the Department of Town & Country Planning and the Centre for Urban & Regional Development Studies (CURDS) on research contracts examining inner city economic development. Between 1983 and 1989 he held posts in the Research & Intelligence Unit of Cleveland County Council and in the Department of Employment & Economic Development at Sheffield City Council. In 1989 he joined the then School of Urban & Regional Studies in Sheffield City Polytechnic, as a Senior Lecturer in Urban Policy, and in 1998 was promoted to be the post Reader in Urban & Regional Policy. Current research on integrated spatial planning practices in five European cities is funded by the North Sea EU INTERREG programme.

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16:50 - 17:40



Dr. Miyakawa Yasuo
(Professor Emeritus, Kyushu University)

Professor Yasuo Miyakawa is head Professor of the Division of Regional Science, Graduate School of Social and Cultural Studies at Kyushu University. In 1965, Professor Miyakawa completed a degree with the Faculty of Law at Tohoku University in Sendai, winning the Academy of Law award. He received his doctorate in geography from Tohoku University in 1977, and his thesis, "The Location Theory of Industry, and another volume, The Modern History of Toyota City", were published (in Japanese) that year. He was also external examiner for a doctoral thesis at Faculty of Economic, Gothenburg University. Professor Miyakawa is member of the International Geographers Union Commission on the International Division of Labor and Regional Development (1984-88), and the Commission on the Organization of Industrial Space (1989 to the present), as well as academic associations in Japan. He is now an audit of Human Geographers Association, and councilors of Economic Geographers Association and Japanese Association in Japan. Yasuo Miyakawa has worked closely with the Government of Japan, participating in planning projects with the Ministries of International Trade and Industry, Construction, Transportation, and Education, the Japan Lands Authority, Economic Planning Agency. **His most recent publications** in Japanese include two volumes of Mutation of Japan's Industry in the World (Taimeido, Tokyo, 1988, 1989), three volumes the Pacific Maritime Corridor for World Peace for Global Rejuvenation (Taimeido, 1997), and three volumes of Locus: Regional Renaissance and Civilization (Taimeido, 2002).

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Session 2

09:00 - 09:40



Dr. Malcolm Parry
(Managing Director of the Surrey Research Park, BSc, Post Grad Cert Ed, PhD, M.Inst. Biol.)

Dr Malcolm Parry trained as a scientist with his first degree, PhD and PGCE from The University of London. He joined The University of Surrey as a faculty member in 1977. He developed a very successful commercially funded research group over the period to 1983 and also was appointed as a senior industrial tutor during which time he established a network of contacts with industrial research laboratories. In 1981 he was seconded by the Vice Chancellor of the University to develop The Surrey Research Park from its inception as a "green field site". Dr Parry was one of the founders of the UK Science Park Association. He has served 3 terms of office on the Board including serving as Chairman and has just been re-elected to the Board. Dr Parry has also served a term on Board of the International Association of Science Parks and has appointed to the IASP Advisory Council. In June 2006 he was awarded an OBE for his services to business and education on the Queen's Honours list.

Dr Parry is also the author of a number of papers on the design, development and operation of Science Parks and Business Incubators; he has spoken widely on the subject of these developments and related aspects of economic development. He also co-edited both the first and second editions of a UK Science Park Association book on the planning, development and operation of science parks to which he has contributed a number chapters.

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09:40 - 10:20



Dr. Fritz Krieger
(Dipl.-Ing, Section Director, University of Dortmund)

Prof. Dr. Eberhard Becker
(Rector, University of Dortmund)

In 1979 the 36 year old C4-professor for algebra was offered a chair in the Department of Mathematics at the University of Dortmund. Born in Mecklenburg in 1943, he studied mathematics and physics in Hamburg where he did his PhD in 1972. He obtained his postdoctoral qualification in Köln in 1976. The internationally active scientist was involved in the creation of European research nets, was executive editor of the "Mathematische Zeitschrift" and was one of the founders of the publication series "Algorithms and Computations in Mathematics" in 1995. In 1999 he and colleagues from the neighboring universities succeeded with their application for the setting up of a research association and a graduate college, dealing with data security in mathematics, informatics and engineering science on an international level. In 2000 the Deutsche Forschungsgemeinschaft elected him expert consultant for mathematics. Becker gained managerial experience as head of an institute, as dean and as member of the senate. He had a decisive share in the development of the interdisciplinary study course "business mathematics" as well as in the development of a bachelor and master study course for informatics and mathematics as part of the reform of teacher training.

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contact : Dr. Fritz Krieger (Dipl.-Ing, Section Director, University of Dortmund)

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10:30 -11:10



Kung Shiann-Far
(Professor, National Chengkung University)

Citizenship: Taiwan, Republic of China, Born: 15 June 1955, Married with three children

Education:

PhD., Department of Geography, University of Cambridge, England, U.K. (1991-1996).
M. S., Division of Human Settlement Development, Asian Institute of Technology, Bangkok (1985-1986).
M. A., Graduate Institute of Urban and Regional Planning, Chinese Culture University (1977-1979).
Department of Urban Planning, National Cheng Kung University (1973-1977).

Working experience:

Associate professor, Institute of Creative Industry Design, National Cheng Kung University (2006-).
Director, National Land Development Research Center, National Cheng Kung University (2003-).
Associate professor, Department of Urban Planning, National Cheng Kung University (1996-).
Instructor, Department of Urban Planning, National Cheng Kung University (1987-1996).
Researcher, Research, Development and Evaluation Committee, Taipei Municipality Government (1981-1985).

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11:10 -11:50



Michael McAllum
(Chairman & CEO, Global Foresight Network)

Mike is well known as a consultant, author and commentator on strategic futures. His focus is on how we navigate in a fast changing world. He is the Chairman and CEO of the Global Foresight Network which specializes in the creation of strategy that has robustness in a world of unthinkable change, convergence and new mental models.

Mike's clients are from a broad spectrum of private and public sector organizations in the Pacific and Asia. These include global IT and strategic communication companies, utilities, international food and agri-business organizations, large local authorities, tourism, logistics and personal mobility organizations, research providers and government agencies seeking to redefine their policy basis. He has also been involved in cross industry projects such as the Future of Antarctica 2010, the Australian Credit Union Way Ahead process, the Future of the Queensland Fisheries and the New Zealand Foresight project. He recently led a broad cross industry and community consultation process aimed at creating new initiatives for the Queensland Smart State strategy. He is also on the 2005 international faculty of a Leadership Discovery Program for senior managers from six of the world's largest companies.

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Session 3

14:00 -14:50



Robert Hassink
(Professor, University of Oslo)

Age 41 years (born 24-3-1965) / Marital Status Married with two children

Education

1984-1989 University of Utrecht (the Netherlands) / 1989-1990 University of Bochum (Germany)
1-4-1990 - 1-9-1990 University of Heidelberg (Germany) / 1-10-1990 - 1-4-1991 University of Durham (Great Britain)
/ 1-4-1991 - 1-12-1992 University of Utrecht (the Netherlands)

Qualifications Master's degree in Human Geography 1990 : Master's dissertation (1988) : Innovatiebevordering in Baden-Württemberg (Innovation Policies in Baden-Württemberg). Main subsidiaries : Regional Economics, Economics of Technological Development and European Economic Integration

PhD degree in Economic Geography 199 2: Regional innovation policy: case-studies from the Ruhr Area, Baden-Württemberg and the North East of England.

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Working Experience

9/2003 to date : Reppel & Partners (Singapore), International Advisor Sales and Marketing
4/2003 to date : dortmund-project, Economic Development Dortmund (Dortmund), Head International Relations, Investment Manager Logistics

6/2002 - 4/2003 : City of Dortmund, Mayoral Office (Dortmund), Manager of International Relations

4/2002 - 6/2002 : University of Bristol (Bristol), DAAD Visiting Fellow (German Academic Exchange Council)

Training

1994 - 1999 University of Bonn, Germany (Bonn), Economic Geography, Sociology and Political Sciences, M.A.
1997 - 1998 University of Bologna, Italy (Bologna), Communication Studies

Education

1984 - 1993 High School Märkisches Gymnasium Iserlohn (Iserlohn), Qualifications: "A" -levels
1980 - 1984 Elementary School Gerlingsen (Iserlohn)

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14:50 -15:40



Thorsten Hülsmann
(Project manager, Future Dortmund Project, City of Dortmund)

16:00 -16:50



Ifor Fowcs-Williams
(CEO, Cluster Navigators Ltd. New Zealand)

Since establishing Cluster Navigators in 1997, Ifor has been active across Europe, North America, Asia, Africa, the Caribbean and Australasia in introducing clustering as a cornerstone for economic development. Ifor is a frequent speaker on competitiveness, clusters, and local innovation systems. Ifor's focus has been on the training of economic development professionals in the process of cluster development, designing and reviewing cluster development programmes, and facilitating cluster workshops.

Prior to the establishment of Cluster Navigators, Ifor was with the New Zealand Trade Development Board and over a decade encouraged New Zealand's exporters to move beyond their comfort zones in 'co-operating to compete' through participation in networks and clusters.

Ifor is a Founder and Past President of The Competitiveness Institute (Barcelona, Spain), the leading professional association that focuses on cluster-based economic development. (www.competitiveness.org). He has served as Vice President, Australia New Zealand Regional Science Association International (www.anzrsai.org).

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16:50 -17:40



YoungSub Kwon
(Researcher Fellow, Korea Research Institute for Human Settlements)

Education and Work Experience

- Ph-D in Urban Administration, The University of Seoul (1998.7),
- Master in Urban Planning, Department of Environment and Planning, Seoul National University (1992.8)
- Research Fellow (2003.3-present), Associate Research Fellow (1992-2003), Assistant, Research Fellow (1985.5-1991) in KRIHS

Recent Research

Guidelines and Handbook for the Development of Innovation Polis (2005.5-2006.3) / A Study on the Innovation Cluster Strategy for Regional Specialization (2005.1-2005.12) / Guidelines for Site Selection of the Innovation Polis (2005.6-2005.8) / Establishment of Triangle Techno-Belt in Inland Large Cities (2004.5-2005.2) / Strategies on Interregional Function Sharing of Information and Communication Technology Industry (2004.1-2004.12)

Major Publications

"Innovative Milieu and Development Stage of Wonju Medical Instrument Cluster", Journal of the Korean Urban Geographical Society V.9. N.2 (2006.8)

"Policy Issues and Roles of Actors for the Innopolis Project", Chungbuk Development Review V.17. N.1 (2006.6)

"Innovative Behavior and Innovation Process in the Daegu Textile Industry", Workshop on Innovative Clusters and Regional Economic Development: International Perspectives Organized by KRIHS & KDI. February (2003)

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Case Presentations

● Kyushu Silicon Cluster, Japan



www.si-cluster.jp

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Kyushu Semiconductor Industries and Technology Innovation Association

- established May 2005
- members: 1020 corporations & individuals
- Functioning as the engine for "Silicon Island Kyushu," an international venture

Kita Kyushu, Human Technology Cluster
Fukuoka Systems, LSI Design Development cluster
Kyushu Synchrotron Light, Research Center Promotion Council
Nagasaki Prefecture Creation of New Industries Concept
Kumamoto Semiconductor Forest Design
Kagoshima Electronic device & frontier Project
Miyazaki Industrial Cluster Project / Oita LSI Cluster Concept
Kita Kyushu City Electronics Industrial Stronghold Concept
e-ZUKA Try Valley Concept / Silicon Sea Belt Fukuoka Concept



Prof. Tanemasa Asano
(Professor, Kyushu University, Japan)

Professor, Faculty of Information Science and Electrical Engineering, Kyushu University, Japan
He was born in Ibaraki, Japan in 1953. He received Master MSc and PhD degrees from Tokyo Institute of Technology in 1979 and 1985, respectively, in the field of Electronics. He joined Kyushu Institute of Technology in 1989 and, then, Kyushu University in 2006. He has organized a number of academic international conferences and meetings for collaboration between academia and industries. He is currently promoting Kyushu Silicon Cluster Program, which is a national program initiated by METI, Japan, as a member of steering committee and the head of technology Innovation group of the Kyushu Semiconductor Industries and Technology Innovation Association.

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DAEDEOK INNOPOLIS, Korea



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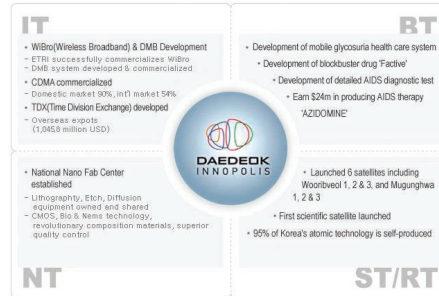


DAEDEOK INNOPOLIS is a place where people, technology, and nature harmoniously coexist as well as where business and research activities are conducted efficiently and conveniently. But much more than that, it's a world-class innovation cluster where creativity openly blossoms and breathes. DAEDEOK INNOPOLIS is now becoming the high-technology clusters where the applications of intellectual property based on R&D are made very actively. It is, also, the only place for highly educated workforce of R&D with 10% of Ph.Ds in entire Korea. It consists of the most convenient facilities for the technology commercialization of specialized industrial sectors like IT, BT and NT with the research institutes and universities together.

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Kyongbuk Technopark, which has been promoted for leading the knowledge-based information society of the 21st century, regionalizing science and technologies and constructing a key strongpoint for regional science and technologies, has overcome many hardships and become a true-to-the-name center of technological innovation of regional science and thus the hub of Kyongbuk regional innovation agencies. Kyongbuk Technopark-a new collaboration exemplar in Korea of industrial, academic, research and government organizations-has been solidly created in our region has an important meaning. Kyongbuk Technopark, which is cooperating with five universities and the regional society, will bolster the region's industrial and technological development in the 21st century, open the era of high technologies and science and become a prospective model of co-existence. KTP is regarded as the role model of Korea Technoparks and serves as a benchmarking point.

Driving Bodies (components of cluster)

- Supervisory Body

: Kyongbuk Technopark Foundation

- Participating Universities

: Kyongsan University, Kyungil University, Taegu University, Catholic University of Taegu-Hyosung, Yeungnam University

- Local and Regional Governmental Bodies

: Province of Kyongsangbuk-do, Gyeongsan City

- Commercial/Industrial Body

: Gyeongsan Chamber of Commerce and Industry



Dr. Rhee, Jaehoon
(CEO of Kyongbuk Technopark and Professor of Yeungnam University)

Dr. Rhee has been CEO of the Kyongbuk Technopark Foundation since September 2004 and Professor of the School of Management of the Yeungnam University since March 1996. He was born in 1959 in Korea and educated at the Wharton School of the University of Pennsylvania and the Cornell University in USA, obtaining a Ph.D. in Organizational Behavior at Cornell University in 1995. His experience includes: researcher of the Bank of Korea (1977-1979); researcher of the Korea Information Society Development Institute (1986-1988); membership of the Academy of Management in the USA (1989-present); membership of the Korean Academic Society of Business Administration in Korea (1996-present); membership of the Korean Academy of Management in Korea (1996-present); and visiting professorship at the University of Sydney in Australia (2002). He has several articles in the international journals such as Industrial and Labor Relations Review. On this mission, Dr. Rhee is interested in the areas of designing, leading, diffusing, and studying regional development or innovation agencies.

Organization Profile (KTP)

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Academic Background

Dept. of Architecture Engineering, Chungnam Univ. (bachelor of Engineering)

Graduate School of Architecture, Chungnam Univ. (Master of Engineering)

Graduate School of Social and Cultural Studies, Kyushu University (2005 ; Ph. D) "Study for the Policy for Regional Innovation Systems of High-tech Industrial Area"

Book : Cha, S.R. and Oh, D.S., 2002, "Chap.6. Critical Success Factors of Technopolis for Regional Innovation: Case Study of Daedeok Science Town", Lin, C.E., (ed), New Paradigm of Urban Planning, Taipei: Archbook, pp.75-101

Award : "The 11st Awards for Papers about policy for Small and Medium Enterprises, 2003 (The Very Best Prize)

Recent academic project : General Plan for Daejeon Science and Industrial Park, 2001, Plan for Industrial Site for Venture Business of Daejeon Science and Industrial Park, 2001, General Plan and Development Strategies for Daedeok Science Town, 2002

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Dr. Sangryong Cha
(Lecturer, Nagasaki Prefectural University)



Dr. Hak-Min Kim
(Professor, Soonchunhyang University, Korea)

Major research field : High-Tech Industry Policy, Regional Cluster Industry, Regional Innovation Policy, Local Autonomy and Local Economic Policy etc.

Education background

B.A. in Government & Politics with Honor The University of Texas at Dallas, U.S.A. (1989)

M.A. in Political Economy Major Track: Economic Development Policy, The University of Texas at Dallas, U.S.A.(1990)

Ph. D. in Political Economy Major Track: Economic Development Policy, The University of Texas at Dallas, U.S.A.(1994)

Working experience

1999-2001 : Director of Internet Business Incubating Center at Soonchunhyang University, Korea

2000-2002 : Director of International Affairs and Foreign Relations at Soonchunhyang University, Korea

2000- 2005 : Associate Professor of Public Administration Soonchunhyang University, Korea

2003.9- 2005. 8 : Director of Small & Medium-Sized Enterprise Education Institute at Chungnam Techno Park under Chungcheongnam-do Provincial Government

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Dr. Kyungbae Kim
(Associate Professor, Inha University)

Kyung-Bae Kim holds a Ph.D degree in City and Regional Planning from Cardiff University, UK. He is currently an professor in the Department of Architecture at Inha University. Dr. Kim's research interests are devoted to physical and environmental aspects of Urban Design.

His most recent research paper are 'Eco-Industrial Park Design: a Daedeok Technovalley case study' (Habitat International, 29(2), pp. 269-284) and 'Towards Sustainable Neighbourhood Design: a sustainability evaluation framework and a case study of The Greenwich Millennium Village Project' (JAPR, 22(3), pp.181-203).

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Dr. Khaled Kahhaleh
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About the Royal Scientific Society (RSS)

RSS is the largest applied research institution, consultation and technical service provider in Jordan, with more than 600 members of staff. There are seven technical centres and departments housing 38 specialized laboratories:

Building Research Centre (BRC). / Electronic Services & Training Centre (ESTC). / Environmental Research Centre (ERC).

Information Technology Centre (ITC). / Mechanical Design & Technology Centre (MDTC). / Industrial Chemistry Centre (ICC).

Quality Assurance Department (QAD). There are also three supporting departments: Administrative, Financial, and Marketing and Public Relations. RSS enjoys robust IT & communications infrastructures. Most laboratories are nationally & internationally accredited. RSS has close co-operation ties with local, regional, and international organisations.

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Science and Technology Cluster in Indonesia

- Several Cases of Development and Implementation

IPB Science Park, F-Technopark, National Center for Research, Science and Technology (PUSPITEK), Biolsland, SAMPURNA-Entrepreneur Training Center (SETC)

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Dr. Yoslan Nur
(Science Analysis and Policies Division, Science Sector, UNESCO)

Of Indonesian nationality, Dr. Nur started his professional career in 1987 when he got an Engineering Degree in Soil Sciences, Bogor Agricultur University, Indonesia. During the period 1991-1997, he studied in France where he got an Engineering degree in Urban Planning and Urban Management, Ecole Natioale des Travaux Publics, Lyon (1992); a Masterand a Ph.D degrees in Urban and Regional Planning, Institut Francais d'Urbanisme - Paris 8 University. Dr. Nur joined the United Nations for Education, Science and Culture Organization (UNESCO) in 1998.

As a multidisciplinary person, he has involved across many disciplines such as Urban planning and management, urban environment, urban economy, science and technology policy. During last three years, he has been working on management of technical assistance on science and technology parks development and management.

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