

# International Workshop on Sustainable Urban Future in Pearl River Delta Region, China

**Time: 9:30 ~ 17:30, Sep. 27<sup>th</sup> 2010**

**Venue: T301 or International Library, University of Macau**

*Jointly organized by Integrated Research System of Sustainability Science (IR3S), the University of Tokyo, and Faculty of Science and Technology (FST), University of Macau*

## 1. Objectives

The workshop on Sustainable Urban Future in Pearl River Delta Region (PRD) aims to offer an interdisciplinary platform to bring together the academicians from the University of Tokyo and leading research institutes in PRD (includes University of Macau, Shenzhen Graduate School of Tsinghua University, China South University of Technology, Zhongshan University, and City University of Hongkong) for the exchange of views on the pressing environmental issues, and provide insights for the sustainable urban future in the PRD.

The objectives of the workshop cover the following:

- To share the understanding of the sustainable urban future
- To identify the urgent research needs concerning sustainable urban future in PRD
- To draw up a research framework for setting up a research project on sustainable urban future in PRD

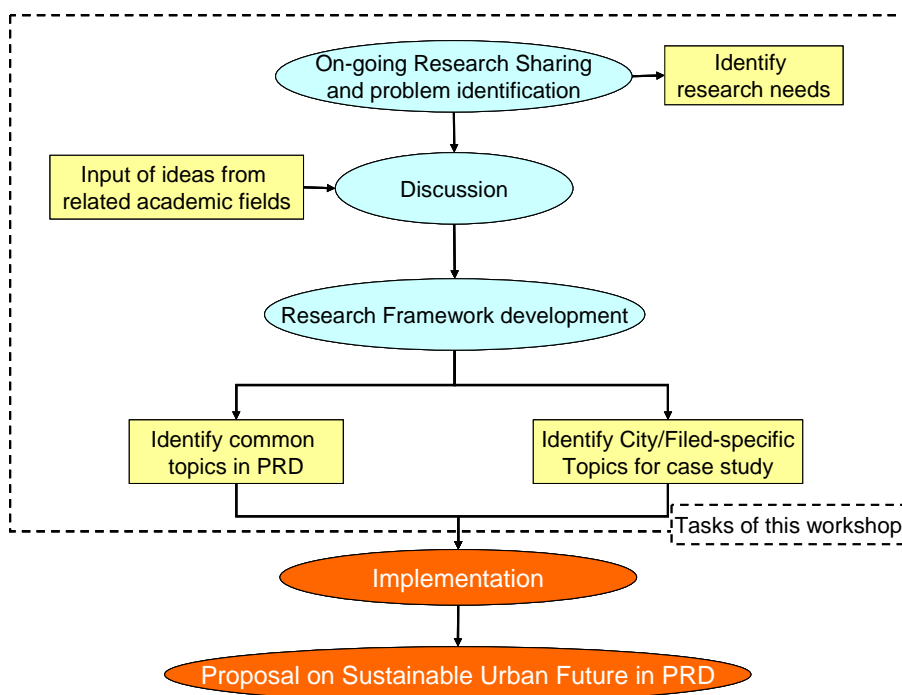


Figure 1 Work plan for developing a proposal on sustainable urban future in PRD

The final goal is to make an integrated proposal for the sustainable urban future in PRD based on the research framework developed in this workshop. The work plan for developing the proposal is illustrated in Figure 1.

## **2. Background**

Pearl River Delta region (including 9 cities in Guangdong province, Hongkong and Macao), accounting for 16% of the GDP and 4.1% of the population with the land area of only 0.6% of China, is no doubt one of the most dynamic economies in China. While the economic prosperity has made this region as the world famous “China Miracle,” the increasing environmental burdens brought by the dramatic economic growth and rapid urbanization has become tough challenge for the further development of this region. Issues like industrial pollutants, low energy efficiency and high carbon emission, and wastes from urban metabolism not only constrain the economic growth, but also threaten the living environment of the local habitants. How to achieve a sustainable future in the highly urbanized area has been prioritized in both researches and practices.

In the research of the global problem like sustainability, the international academic cooperation is of great significance. This workshop provides a opportunity to deepen the knowledge exchange and discussion among the researchers from the local research institutes with the deep understanding of the regional problems, and the University of Tokyo which represents Japan’s academia with the accumulated knowledge from long-term efforts tackling on development problems and pioneer research such as low carbon society.

Researchers from the local research institute, is expected to identify the region-specific issues, and make concrete proposals to the needs of the region, while researcher from the University of Tokyo, can provide the general concept , as well as evaluate and analysis the proposal from the outside perspective.

## **3. Proposed Research Framework**

Figure 2 shows the proposed framework for the research on sustainable urban future in PRD. In general, this research focuses on two parts, one is the common topics in archiving sustainable development, and the other is the specific topics in a certain city or field.

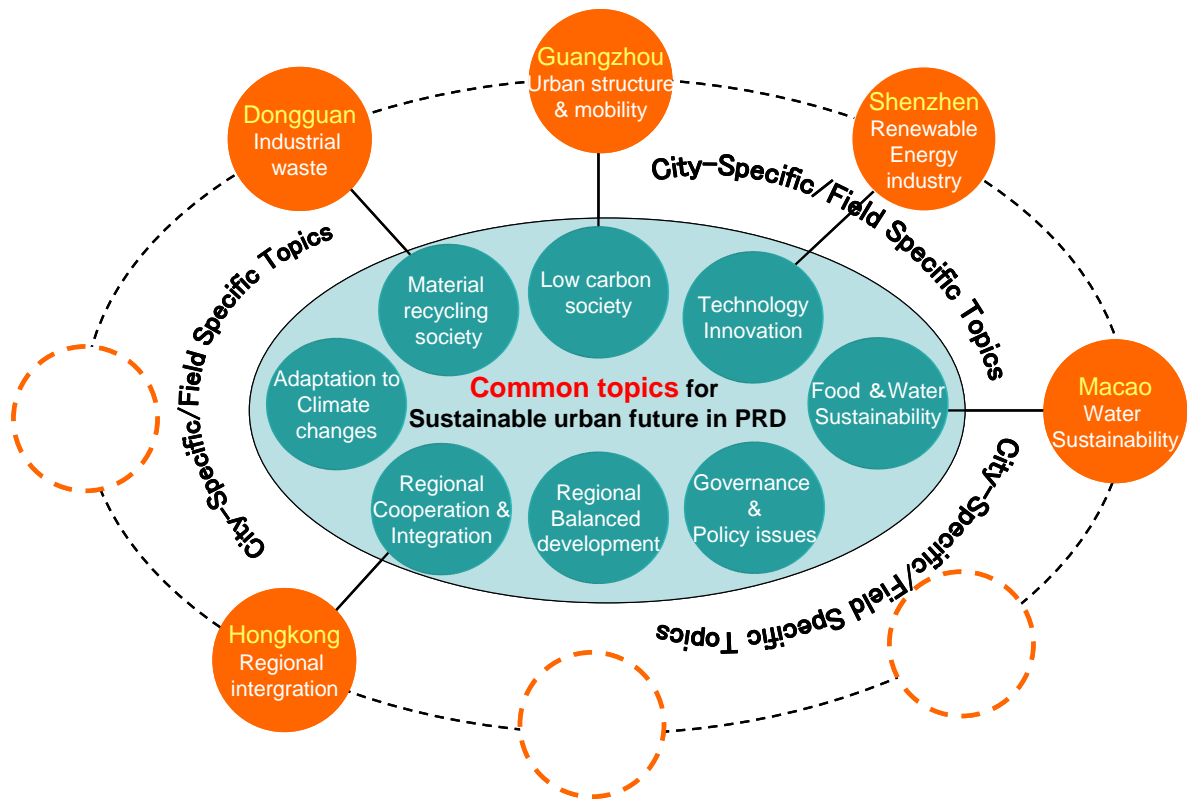


Figure 2 Proposed framework for the research on sustainable urban future in PRD

### 3.1 Common topics in PRD

As urban growth is a complex process interacted with various components from different dimensions, the growth in one dimension may result in the deterioration in another, if a coordinated development approach is lacking. United Nations defined sustainability as the balance of three dimensions, which economic growth, environmental protection and social development are required to be reconciled in harmony.

Figure 3 shows the interactions of the three dimensions in archiving a sustainable urban future. The objective of the three dimensions can to a certain degree develop synergies, as the ultimate goal of the economic development and environment maintain is to improve the qualify of life for human being. However, they are not always mutually supportive. The development path of the industrial world in the past century has followed the same pattern that economic growth is archived at the cost of the environment destruction. Environmental problems, which developed countries have been experiencing for nearly a century, have in the past two decades become more apparent in developed regions in China like the PRD. The challenge lies in how to promote the urban development that improve people’s living standards and welfare, while minimizing and managing its associated problems. Issues like mitigation and adaptation to

climate changes, establishing material recycling society, food and water sustainability, clean production, regional balanced development etc. are urgent problems that need to be tackled on. The solutions to these problems not only require the technology innovation, but also significant economic and social changes.

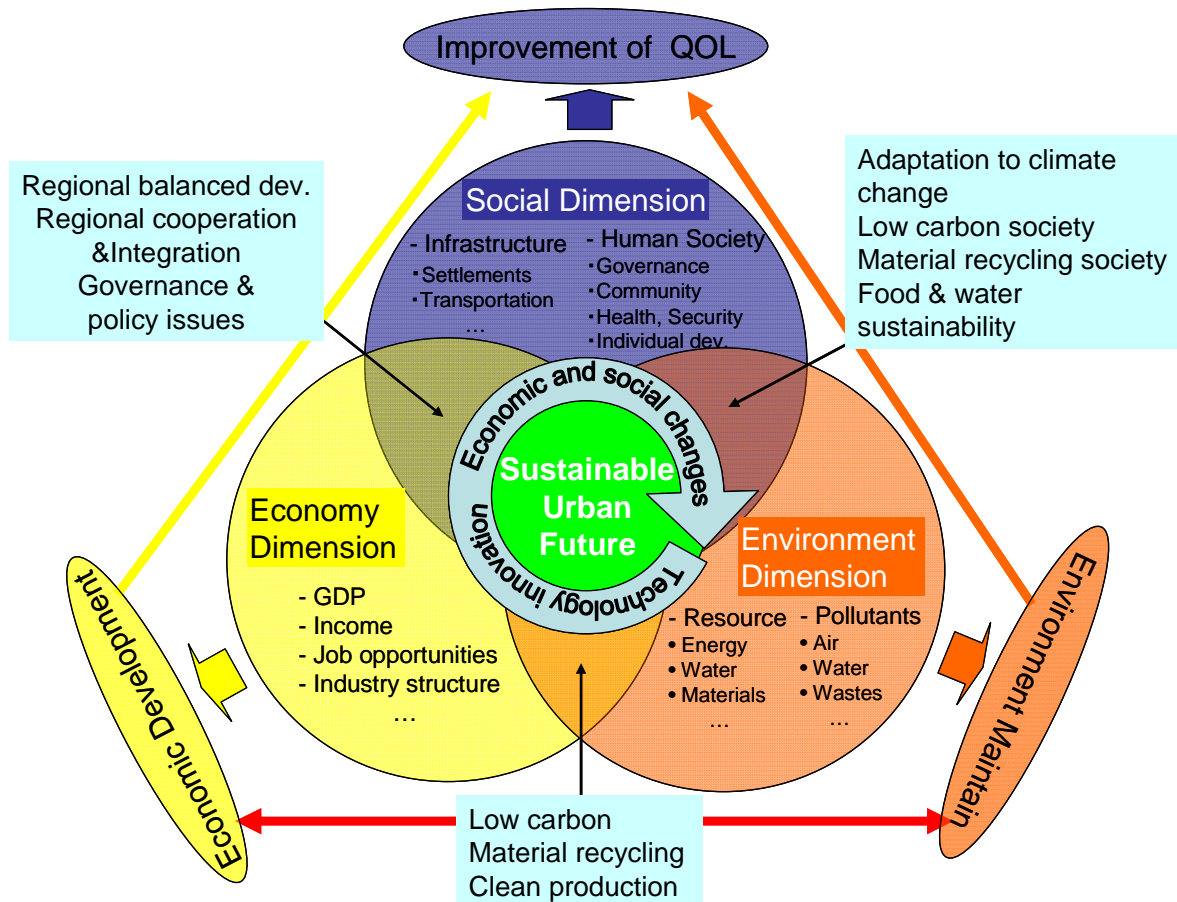


Figure 3. The interaction of three dimensions in achieving Sustainable Urban Future

Here we take the low carbon society as an example. Figure 4 illustrates the image of the future low carbon society. Technology innovations in improvement of the energy utilization efficiency, development of renewable energy such as solar energy and biomass energy are effect measures to reduce the carbon emission. However, the realization of low carbon society not only needs the technology breakthrough, more importantly, how these technologies can be implemented and disseminated is the key issue. This depends on the economical feasibility, consumer acceptance, readiness of the industries to take economic risk, and also the policy incentives. Moreover, change in social infrastructure to reduce the use of the energy is another important component of archiving low carbon society. Urban forms such as compact city and

transit-oriented development can reduce the energy use in transportation while still meet people's demand for mobility. Meanwhile, people's lifestyle change from excessive consumption to reduction and recycling is also necessary to archive the low carbon society.

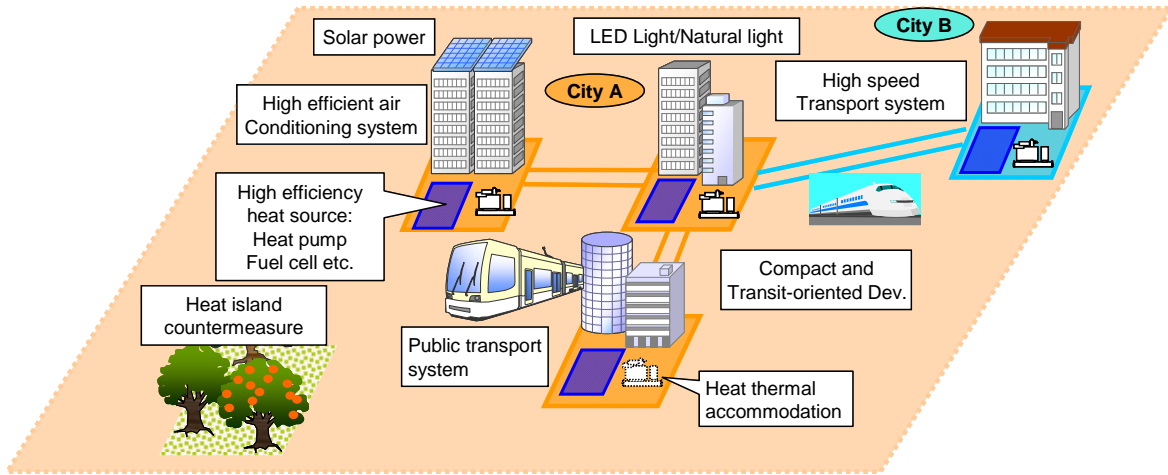


Figure 4 Image of the Future Low Carbon Society

Source: Revised from Mitsubishi Research Institute

### 3.2 City/field-specific topics

Besides the above mentioned common problems, each city in PRD may have their specific problems based on its individual feature. Case study in particular cities can help us understand the specific problem in deep and contribute to the overall proposal. Below are some examples for the city/field-specific topics.

- Macao

The scarcity of resources is the problem Macao has been facing for long years, among which the short of water resource is becoming more apparent due to the pollution of Pearl River. How to ensure the water sustainability is an extremely important issue in Macao.

- Shenzhen

Shenzhen government has given priority to development of renewable energy industry, and Shenzhen also holds some enterprises with world top level technology. It would be a good case for the study of policy issues that promote or impede the technology and industry transfer.

- Guangzhou

Guangzhou people suffer from serious traffic congestion and poor air quality. Sustainable urban structure from the transport view would be an important topic for Guangzhou.

- Dongguan

Dongguan is a famous electricity product manufacturing base. Problem of solid waste containing hazardous substances would be an urgent problem to tackle on.

#### 4. Tentative Program

Sep. 27 (Mon.)		Venue: University of Macau
09:30-09:40	<b>Opening remarks</b>	
09:40-09:50	<b>Introduction</b> Akimasa Sumi (The Univ. of Tokyo)	
09:50-10:10	<b>Keynote speeches</b> Zhi-shi Wang (Univ. of Macau) <i>Recent Researches on Sustainable Development in Peral River Delta Region</i>	
10:10-10:25	Akimasa Sumi (The Univ. of Tokyo) <i>Transdisciplinary Approach in Sustainability: Practices of IR3S</i>	
10:25-10:40	Feiyu Kang (Tsinghua Univ.) <i>To be decided</i>	
10:40-10:55	Yongyou Hu (South China Univ. of Technology) <i>To be decided</i>	
10:55-11:10	<b>Coffee break</b>	
11:10-11:30	Wanxin Li (Tsinghua Univ. City Univ. of Hongkong) <i>Barriers and efforts in developing clean technology for sustainable development in China</i>	
11:30-11:50	Yungang Liu (Zhongshan Univ.) <i>Progress and Challenges: the Regional Cooperation in Pan-Pearl River Delta</i>	
11:50-12:10	TetsuoKidokoro/Hiroyuki Katayama (The University of Tokyo) <i>To be decided</i>	
12:10-12:30	Pusheng Wanng (Tsinghua .Univ.) <i>To be decided</i>	
12:30-14:00	<b>Lunch</b>	
14:00-15:10	<b>Research Introduction</b> TetsuoKidokoro/Hiroyuki Katayama (The Univ. of Tokyo) Kensuke Fukushi (The Univ. of Tokyo) Hironori Kato (The Univ. of Tokyo) Kyoung Jin An (The Univ. of Tokyo) Nobuaki Ohmori (The Univ. of Tokyo) Hirotaka Matsuda (The Univ. of Tokyo) Yiping Le (The Univ. of Tokyo)	
15:10-17:00	<b>General discussion</b> Chair: Kensuke Fukushi (The Univ. of Tokyo)	
17:00-17:20	<b>Summary</b> Kensuke Fukushi (The Univ. of Tokyo)	
17:20-17:30	<b>Closing remarks</b> Zhi-shi Wang (Univ. of Macau)	
17:30-19:30	<b>Reception</b>	

#### 5. Contact

Yiping LE,  
Project Researcher, IR3S, the University of Tokyo  
Email: [Yiping@ir3s.u-tokyo.ac.jp](mailto:Yiping@ir3s.u-tokyo.ac.jp)  
Tel: +81-3-5841-1541

**APPENDIX  
PARTICIPANT LIST**

**The University of Tokyo**

Prof. Akimasa Sumi  
Dr. Tetsuo Kidokoro  
Dr. Fukushi Kensuke  
Dr. Hironori Kato  
Dr. Nobuaki Ohmori  
Dr. Hiroyuki Katayama  
Dr. Kyoung Jin An  
Dr. Hirotaka Matsuda  
Dr. Yiping LE

**University of Macau**

Prof. Zhi-shi Wang  
Dr. Qing-bin Song

**MacauWater**

Dr. Fan Xiao Jun General Manager

**Shenzhen Graduate School of Tsinghua University**

Prof. Fei-yu Kang  
Prof. Guo-yi Tang

**South China University of Technology**

Prof. Yongyou Hu


**Zhongshan University**

Dr. Yungang Liu


**City University of Hongkong**


Dr. Wanxin Li

## PROFILE OF PARTICIPANTS

	<p><b>Prof. Akimasa SUMI</b></p>
<p>Organization:</p>	<p>Transdisciplinary Initiative for Global Sustainability Integrated Research System for Sustainability Science The University of Tokyo</p>
<p>Job Title:</p>	<p>Professor of The University of Tokyo Executive director of Transdisciplinary Initiative for Global Sustainability</p>
<p>Major Field / Research Interests:</p>	<p>Numerical weather prediction, Monsoon dynamics, tropical meteorology, climate dynamics including ENSO and global warming simulation</p>
<p>Academic Record:</p>	<p>1971, D. of Bachelor, The University of Tokyo 1973, D. of Master, The University of Tokyo 1985, D. of Science, The University of Tokyo</p>
<p>Professional Experience:</p>	<p>1973-1975, Tokyo-district meteorological Observatory, Japan Meteorological Agency (JMA) 1975-1979, Electronic Computation Center/JMA 1979-1981, Research Associate, Department of Meteorology, University of Hawaii 1979-1985, Electronic Computation Center/JMA 1985-1991, Associate Professor, Department of Geophysics, The University of Tokyo 1991-present, Professor, Center for Climate System Research(CCSR), The University of Tokyo 1994-2004, Director of CCSR 2005-present, Executive Director of TIGS</p>
<p>Academic / Social Contribution:</p>	



<p style="text-align: center;"><b>Photo</b></p> 	<p>Name: Dr. Tetsuo Kidokoro</p>
<p><b>Organization:</b></p>	<p>Department of Urban Engineering, University of Tokyo</p>
<p><b>Job Title:</b></p>	<p>Associate Professor</p>
<p><b>Major Field / Research Interests:</b></p>	<p>Urban and regional planning, Urban governance</p>
<p><b>Academic Record:</b></p>	<p>1993: Acquired Ph. D. from the University of Tokyo (Urban Planning) in Sept. 1, 1993  1983: Graduated the Master Program of the Dept. of Urban Engineering, School of Engineering, the University of Tokyo in March 31, 1983 (M. of Eng.)  1981: Graduated the Dept. of Urban Engineering, Faculty of Engineering, The University of Tokyo in March 31, 1981 (B. of Eng.)  1993: Acquired Ph. D from the University of Tokyo</p>
<p><b>Professional Experience:</b></p>	<p>1983 - 1987: Urban Planner, ALMEC Corporation  1987 - 1989: Associate Expert, Human Settlements Unit, the United Nations Economic and Social Commission for Asia and Pacific (ESCAP)  1990 - 1994: National Expert, the United Nations Center for Regional Development (UNCRD)  1994 – 1996: Visiting Lecturer (JICA Expert), Dept. of Urban and Regional Planning, Chulalongkorn University, Thailand  1996 - Present: Associate Professor, the Department of Urban Engineering, the University of Tokyo</p>
<p><b>Academic / Social Contribution:</b></p>	<p>Committee member of International Affairs, Institute of Urban Planning, Japan</p>

	<p><b>Dr. Kensuke FUKUSHI</b></p>
<p>Organization:</p>	<p>IR3S, The University of Tokyo</p>
<p>Job Title:</p>	<p>Associate Professor</p>
<p>Major Field / Research Interests:</p>	<p>Urban environmental engineering: hazardous compound management, risk assessment, biological treatment, membrane technology, and suitability science</p>
<p>Academic Record:</p>	<p>BS and MS in Civil Engineering at Tohoku University, Japan (1989 and 1991) Ph.D. in Civil Engineering at the University of Utah, Salt Lake City (1996)</p>
<p>Professional Experience:</p>	<p>1996 Research Associate at Tohoku University, Sendai, Japan 1997 Assistant Professor at Tohoku University, Sendai, Japan 1999 Assistant Professor at Asian Institute of Technology, Bangkok, Thailand 2001 Associate Professor at Asian Institute of Technology, Bangkok, Thailand 2001 Associate Professor at the University of Tokyo, Tokyo, Japan</p>
<p>Academic / Social Contribution:</p>	<p>Ken Fukushi has approximately 100 publications (approx. 50 are peer reviewed journal publication) in professional journals, conference proceedings, and book chapters in environmental science and engineering fields. He belong various domestic and international academic societies and serves as an editor of two international journals (Sustainability Science and ASCE journal). He teaches environmental system engineering, urban environment, hazardous waste management, and environmental sustainability in Graduate Schools of Engineering and Frontier Sciences at the University of Tokyo. He is one of the founding faculty members of IR3S.</p>




Prof. Hironori Kato

Organization:	Department of Civil Engineering, the University of Tokyo
Job Title:	Associate Professor
Major Field / Research Interests:	Activity-based travel modeling Transportation project evaluation Transportation planning and policy in Asia Problem structuring method for transportation planning
Academic Record:	
Professional experience:	
Academic/Social Contribution	Japan Society of Civil Engineering, City Planning Institute of Japan, Japan Society of Traffic Engineers, Eastern Asia Society of Transportation Studies, Society of World Conference on Transport Research, Transportation Research Board, Association for European Transport





Name: Dr. Nobuaki Ohmori

Organization:	Department of Urban Engineering, the University of Tokyo
Job Title:	Associate Professor
Major Field / Research Interests:	Transportation policy, Travel behavior
Academic Record:	1995.3. Bachelor, Department of Urban Engineering, the University of Tokyo 1997.3. Master, Department of Urban Engineering, the University of Tokyo 2000.3. Ph. D, Department of Urban Engineering, the University of Tokyo
Professional experience:	2000.4.~2003.3. Research Associate, Frontier Science, the University of Tokyo 2003.3.~5. Visiting research, Irvine, University of California, 2003.4.~Present, Department of Urban Engineering, the University of Tokyo
Academic/Social Contribution	

	<p>Name: Dr. Katayama Hiroyuki</p>
<p>Photo</p>	
<p>Organization:</p>	<p>Univ. of Tokyo</p>
<p>Job Title:</p>	<p>Associate Professor</p>
<p>Major Field / Research Interests:</p>	<p>Health-related Water microbiology</p>
<p>Academic Record:</p>	<p>1993 - 1998 Department of Urban Engineering, Graduate School of Engineering, University of Tokyo Mar. 1998 Ph. D. (Field of Engineering) (The University of Tokyo)</p>
<p>Professional Experience:</p>	<p>Oct 2007 – Present, Associate Professor (Dept. Urban Eng. The University of Tokyo) Apr 2004 – Oct 2007 Assistant Professor (Dept. Urban Eng, The University of Tokyo) Aug. 2002 – Mar 2004 Assistant Professor (Institute of Environmental Studies, School of Frontier Science, The University of Tokyo) Jan. 2002 - Jul. 2002 Assistant Professor (Dept. Urban Eng, The University of Tokyo) Apr. 1998 - Jan. 2002 Research Associate (Dept. Urban Eng, The University of Tokyo)</p>
<p>Academic / Social Contribution:</p>	<p>Secretary of IWA specialist study group on Health-related Water Microbiology, (2009-)</p>

<p align="center"><b>Photo</b></p>	<p>Name: Dr. Kyoung Jin An</p>
<p><b>Organization:</b></p>	<p>Department of Urban Engineering, The University of Tokyo</p>
<p><b>Job Title:</b></p>	<p>Senior Assistant Professor</p>
<p><b>Major Field / Research Interests:</b></p>	<p>Environmental Engineering</p>
<p><b>Academic Record:</b></p>	<p>Ph.D. Dept. Civil Engineering (Specialty: Environmental Engineering) Sep. 1999- Jan.2004 Hong Kong University of Science &amp; Tech.(HKUST) Hong Kong Master of Engineering Dept. Environmental Engineering Jan. 1998-Aug. 1999 Asian Institute of Technology (AIT), Thailand Bachelor of Engineering Dept. Environmental Engineering Mar. 1993- Jan. 1998 Pukyong National University, Pusan, Korea University of Hawaii, Honolulu, USA</p>
<p><b>Professional experience:</b></p>	<p>Senior Assistant Professor (April 2009 – Current) Asian Program for Incubation of Environmental Leaders (APIEL), Department of Urban Engineering, The University of Tokyo Associate Professor (September 2008 – March 2009) Department of Urban Engineering, (Specialty: Environmental Engineering) Harbin Institute of Technology Shenzhen Graduate School) Assistant Professor (September 2005 – August 2008) Department of Urban Engineering, (Specialty: Environmental Engineering) Harbin Institute of Technology Shenzhen Graduate School</p>
<p><b>Academic/Social Contribution</b></p>	

<p style="text-align: center;"><b>Photo</b></p> 	<p>Name: Dr. Hirotaka Matsuda</p>
<p><b>Organization:</b></p>	<p>Transdisciplinary Initiative for Global Sustainability (TIGS) / Integrated Research System for Sustainability Science (IR3S), The University of Tokyo</p>
<p><b>Job Title:</b></p>	<p>Project Lecturer</p>
<p><b>Major Field / Research Interests:</b></p>	<p>Agricultural Economics and Development Economics</p>
<p><b>Academic Record:</b></p>	<p>He graduated Department of Economics Otaru University of Commerce in 1997, and received Master of Agriculture and PhD of Agriculture from Hokkaido University in 1999 and 2003 respectively.</p>
<p><b>Professional Experience:</b></p>	<p>He worked at Hokkaido Development Center (dec) in 2006 as a researcher.</p>
<p><b>Academic / Social Contribution:</b></p>	

	<p>Name: Dr. Yiping LE</p>
<p>Organization:</p>	<p>Integrated Research System for Sustainability Science, The University of Tokyo</p>
<p>Job Title:</p>	<p>Project Researcher</p>
<p>Major Field / Research Interests:</p>	<p>Yiping LE is currently working as a project researcher at the Integrated Research System for Sustainability Science (IR3S), the University of Tokyo. She gained her Ph.D. in Engineering from the Department of Civil Engineering, The University of Tokyo in 2009, specializing in transportation research and infrastructure planning, and M.Sc. from Tsinghua University, China, in 2006, specializing in logistics engineering and management. Her areas of research interests cover port planning and development strategy, supply chain management and sustainable urban development.</p>



<b>Photo</b>	Name: Prof. Fei-yu Kang
<b>Organization:</b>	Tsinghua University
<b>Job Title:</b>	Professor, Vice dean of the Graduate School at Shenzhen of Tsinghua University
<b>Major Field / Research Interests:</b>	主要从事新型碳材料的制备、表征和应用研究, 包括石墨层间化合物的合成、表征和应用, 天然石墨的深加工技术, 多孔炭材料的制备, 室内空气净化技术, 等等。多次承担和负责国家重点科研项目(“八五”、“十五”科技攻关, 2 项 863 项目)和国家自然科学基金项目(1 项重点, 5 项面上项目)。拥有 20 项中国发明专利和 2 项美国专利, 并且已经在国内外学术会议和期刊上发表了 100 多篇学术论文。在工程教育, 继续教育和远程教育方面发表论文 20 多篇, 应邀在国内外会议上作过 10 多次口头报告。
<b>Academic Record:</b>	1981-1988 年 清华大学机械工程系本科、硕士毕业 1997 年 香港科技大学 获博士学位
<b>Professional experience:</b>	1997 年 9—12 月 日本北海道大学访问学者 2002-2006 年 清华大学继续教育学院常务副院长 2006-2010 清华大学副教务长 2010-现在 清华大学深圳研究生院副院长
<b>Academic/Social Contribution</b>	

<p align="center"><b>Photo</b></p>	<p>Name: Prof. Guo-yi Tang</p>
<p><b>Organization:</b></p>	<p>Tsinghua University</p>
<p><b>Job Title:</b></p>	<p>Professor Graduate SCHOOL AT Shen Zhen, Tsinghua University</p>
<p><b>Major Field / Research Interests:</b></p>	<p>Energy saving materials</p>
<p><b>Academic Record:</b></p>	
<p><b>Professional experience:</b></p>	<p>1</p>
<p><b>Academic/Social Contribution</b></p>	

<p align="center"><b>Photo</b></p>	<p>Name: Prof. Yong-you Hu</p>
<p><b>Organization:</b></p>	<p>South China University of Technology</p>
<p><b>Job Title:</b></p>	<p>Professor Vice Dean, School Environmental Science and Engineering, South China University of Technology</p>
<p><b>Major Field / Research Interests:</b></p>	<p>1.水处理药剂与材料；2.环境微生物技术；3.(废)污水处理理论与技术 4.安全供水技术。</p>
<p><b>Academic Record:</b></p>	<p>1990 年获清华大学环境工程专业博士学位</p>
<p><b>Professional experience:</b></p>	
<p><b>Academic/Social Contribution</b></p>	<p>中国环保产业协会专家，第四届中国土木工程学会水工业分会工业给水排水委员会委员，中国微生物学会环境微生物专业委员会委员。获批国家发明专利 5 项，实用新型专利 1 项，已公示国家发明专利 3 项，申请受理发明专利 3 项。主编专著 2 部，主编教材 1 部，参编教材 1 部，在国内外刊物发表论文 120 余篇，其中 12 篇被 SCI 收录，32 篇被 EI 收录。</p>

<p style="text-align: center;"><b>Photo</b></p>	<p>Name: Dr. Yun-gang Liu</p>
<p><b>Organization:</b></p>	<p>Department of Urban and Regional Planning, School of Geography and Planning, Zhongshan University</p>
<p><b>Job Title:</b></p>	<p>Associate Professor</p>
<p><b>Major Field / Research Interests:</b></p>	<p>Urban sustainability and sustainable development of the local cities in China, most of them dependent on mining Collect, and becoming problem regions with the mine resources closure.</p> <p>Comparison between Japan and China within the geographical research: the regulations, the society, the association, the publications, the researcher, the valuation system, and so on.</p> <p>understand the activities of Japanese migration in China, especially in Guangzhou, based on a political geography approach</p>
<p><b>Academic Record:</b></p>	<p>B.Sc. In Geography, College of Geographical Science, Inner-Mongolia Normal University, 1995</p> <p>M Sc. In Human Geography, College of Urban and Environment Science, Northeast Normal University, 1998</p> <p>Ph.D., (Sciences) ,In Regional and Urban Study, College of Urban and Environment Science, the Northeast Normal University, 2002</p> <p>Ph. D.,( Multidisciplinary Sciences) In Human Geography, Graduate School of Arts and Science, University of Tokyo, 2006</p>
<p><b>Professional experience:</b></p>	<p>2005-present: Associate Professor, Zhongshan University, Department of Urban and Regional Planning for teaching on the urban geography, political geography, human geography, society research method, and research project on the sustainability on the coal mine areas in China.</p> <p>2004-2005: Research Assistant, the University of Tokyo, Graduate school of Arts and Science Responsible for research project on the poverty and environmental issues in the coal mine city in North-east region of PRC.</p> <p>2000-2004: Northeast Normal University, Lecturer, College of Urban and Environment Science Responsible for teaching on the urban economics, urban planning, development economics, and research project on the sustainability on</p>

	the coal mine city in Northeast China.
Academic/Social Contribution	<p>Commissioner, Urban Geography Professional Committee, The Geographical Society of China</p> <p>Commissioner, Association of the Economic Geographers in Japan</p> <p>Member, The Geographical Society of China</p> <p>Member, Tokyo Geographical Society</p> <p>Member, Association of the Japanese Geographers Member, Association of the Chinese Scientists and Engineers in Japan</p>

<b>Photo</b>	Dr. Wanxin Li
<b>Organization:</b>	City University of Hongkong, Graduate School at Shenzhen of Tsinghua Univ.
<b>Job Title:</b>	Associate Professor
<b>Major Field / Research Interests:</b>	The interplay between government, business, individuals, and nongovernmental organizations in the context of environmental and social governance.
<b>Academic Record:</b>	2006.5 Ph.D., Public Administration and Affairs, Virginia Polytechnic Institute and State University 2003.12 M.S., Statistics, Virginia Polytechnic Institute and State University 2000.7 M.A., Economics, Tsinghua University 1995.7 B.E., Precision Instruments and Mechanology, Tsinghua University
<b>Professional experience:</b>	2009.12-present Associate Professor, Graduate School at Shenzhen, Tsinghua University 2007.12-present Assistant Professor, Dept. of Public and Social Administration, City University of Hong Kong 2006.6-2007.11 Assistant Professor, School of Public Policy and Management, Tsinghua University 2006.3-2009.3 Consultant, Organization for Economic Co-Operation and Development 2003.7-2007.12 Consultant, World Bank 2000.8-2004.6 Research Assistant, Virginia Polytechnic Institute and State University 1995.7-2000.7 Director of Student Affairs, Physics Dept., Tsinghua University
<b>Academic/Social Contribution</b>	