Building energy consumption accounts for a large part of cities’ greenhouse gas emissions and is a critical component of climate change mitigation. Considering the global urbanization, cities’ role seeking to reduce emissions from the building sector is becoming more important. Among the various measures that can be pursued, building energy efficiency is one of the practical and promising strategies.

To promote building energy efficiency policy in cities, we think it would be beneficial to highlight the work of the C40 Private Sector Building Energy Efficiency Network and bring together additional stakeholders to tackle common issues. As the first step for this effort, Tokyo will host the forum on 20 June in partnership with **C40 Cities Climate Leadership Group**. The forum will feature expert speakers with participants from other cities, industry and non-profit organizations.
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| 13:30~13:45| **Opening remarks**  
Youichi Masuzoe, the Governor of Tokyo Metropolitan Government  
Murakami Shuzou, President, Institute for Building Environment and Energy Conservation |
| 13:45~14:15| **Key note 1**  
Economic impacts of building energy efficiency  
Clay Nesler  
Vice President, Johnson Controls |
| 14:15~14:45| **Key note 2**  
Best practice policies for new and existing buildings  
Peter Graham  
Executive Director, Global Buildings Performance Network |
| 15:00~15:10| **C40 cities and cities role for climate actions**  
Terri Wills, Director of Global Initiatives, C40 Cities Climate Leadership Group |
| 15:10~16:10| **Panel Talk 1**  
Building energy efficiency programs: World's best practices  
Moderator: Peter Graham, GBPN  
Barry Hooper, Program Specialist, the City & County of San Francisco's Department of Environment  
Serene Peh, the Deputy Director of Green Building Policy Department at The Building and Construction Authority (BCA) of Singapore  
Satoshi Chida, the Director for International Relations, Bureau of Environment, Tokyo  
Terri Wills, Director of Global Initiatives, C40 |
| 16:10~17:15| **Panel Talk 2**  
Toward further building energy efficiency: Incentive policies and Stakeholders  
Moderator: Yuko Nishida, Planner for the Bureau of Environment  
Tom Belsham, the Manager of the Sustainability Programs Unit at the City of Sydney  
Hiroyuki Miyata, the Director for the Emission trading, Bureau of Environment  
Jane Henley, CEO, World Green Building Council  
Roland Hunziker, Director, BEE, World Business Council for Sustainable Development |
Profile of Speakers

Clay Nesler is the Vice President, Global Energy and Sustainability for Johnson Controls. In this role, he is responsible for energy and sustainability strategy, policy, public affairs, innovation and the Johnson Controls Institute for Building Efficiency. He also serves on the company’s global environmental sustainability council. Since joining Johnson Controls in 1983, Clay has held a variety of leadership positions in research, product development, marketing and strategy in both the United States and Europe.

Clay is the vice-chair of the World Environment Center, serves on the board of American Council for an Energy Efficient Economy and is on the advisory boards of the NRDC Center for Market Innovation and the University of Illinois Department of Mechanical Science and Engineering. He is also co-chair of the North American and Euro-Mediterranean Energy Efficiency Forum, a member of the Alliance to Save Energy International Steering Committee and a sustainable buildings track advisor for the Clinton Global Initiative.

Clay received BS and MS degrees in Mechanical Engineering from the University of Illinois at Urbana-Champaign and is a co-inventor on eleven patents. He is a winner of the 2005 Corenet Global Innovator’s Award and the 2012 VERGE 25 award. Clay is the past president of the Florentine Opera Company, the sixth oldest professional opera company in America.

Peter Graham is the Executive Director of the Global Buildings Performance Network. Dr. Peter Graham has been the Technical Advisor and past Coordinator of the United Nations Environment Programme’s (UNEP) Sustainable Buildings and Climate Initiative where he has developed and managed many of UNEP’s key projects and publications in the building sector. He comes to the GBPN from a position as Head of Discipline for Architecture & Design at the University of New South Wales, Sydney, Australia. In these roles Peter Graham worked closely with the public, civil, and private sectors to assist the global transition to a sustainable building and construction industry.

More information about the GBPN: www.gbpn.org
Shuzo Murakami is the President, Institute for Building Environment and Energy Conservation. For more than 30 years, Dr. Murakami has been in charge of the research on Building and Environmental Control Engineering, mainly at the Institute of Industrial Science, University of Tokyo (from 1972 to 2000), and at the Department of Engineering, Keio University (from 2001 to 2007) since graduating from the University of Tokyo (Department of Engineering, Faculty of Architecture). He has been engaged in special research of the experimental study and the numerical simulation of turbulent airflow in rooms and around buildings. He has had a great deal of experience on CFD analysis of wind climate from human scale to urban scale. He initiated a new field of CFD Research. He has also conducted extensive interdisciplinary studies concerning global environmental engineering, urban/building environmental engineering, healthy cities, human comfort and health and so on. His achievements concerning energy and sustainability researches are remarkable. He is now working at Institute for Building Environment and Energy Conservation as a President.

Honors:
The Grand Prize of AIJ (Architectural Institute of Japan), 2014
ALAN G. DAVELPORT MEDAL (The International Association for Wind Engineering ), 2007
John Rydberg Gold Medal (Scandinavian Federation of Heating, Ventilating and Sanitary Engineering Associations), 2002
ASHRAE Fellow Award 2001
1997 CROSBY FIELD AWARD ASHRAE 1998, and other

Academic Degrees:
University of Tokyo, Department of Engineering, 1972, Doctor of Eng.

Terri Wills is the Director of Global Initiatives for C40, and is responsible for the development and delivery of C40’s initiatives and networks. Previously, Terri served as the organisation’s London City Director, working closely with the Mayor of London’s office on climate change mitigation programmes. Before joining the organisation, Terri was a Senior Policy Advisor for the Ontario Government in Canada, supporting the administration of a large-scale cleantech demonstration fund. Terri has also worked as a consultant advising on the economic development of creative industries, and was a Head of Strategy at the British Broadcasting Corporation, based in London. Terri holds an MSc from the London School of Economics and a BAH in Political Studies from Queen’s University, Canada.
Barry Hooper is Program Specialist, Private Sector in the Green Building team at the City & County of San Francisco's Department of Environment. Barry leads development and implementation of the San Francisco Green Building Code, aids in the Priority Permit program for LEED Platinum projects, and manages the Existing Commercial Building Energy policy which requires each building to annually benchmark energy performance and to have an action plan for cost-effective improvement. Prior to joining SF Environment, Barry served as Green Building Coordinator for the City of San Jose and managed the Silicon Valley Energy Watch energy efficiency program. He earned Master’s degrees in Environmental Science and Management, and Geography, from the University of California at Santa Barbara.

Serene Peh serves as the Deputy Director of Green Building Policy Department at The Building and Construction Authority (BCA) of Singapore. She leads the formulation and implementation of building policies and initiatives to support the national agenda to green 80% of the building stock by 2030. This includes overseeing the Green Building Master Plan, the promotion of industry incentive schemes, and the implementation of annual mandatory disclosure of building information and energy consumption data. Previously, she was the Assistant Director for Strategic Policy Department of BCA, in which she devised the roadmap to chart the direction for construction productivity. She has a Masters Degree in Public Administration from the Lee Kuan Yew School of Public Policy.

Satoshi Chida has been working in the Tokyo Metropolitan Government since 1996. After his experience in the Headquarter of the Governor of Tokyo, he took part in the commencement of the Reporting program, which covers small and midsize facilities in 2010. He was responsible for the coordination with the facilities falling under the Tokyo cap and trade program (Tokyo ETS), the first mandatory cap and trade program in Japan launched in April 1, 2010. He also managed the emissions trading which has been enforced from April 1, 2011. He is currently in charge of International Relations since April 2014.
Jane Henley is the Chief Executive Officer, World Green Building Council. The World Green Building Council is a coalition of 100 national Green Building Councils. GBC’s are business driven organizations that actively facilitate the global transformation of the building industry towards sustainability, through market driven mechanisms. The World GBC is the largest international organization driving the growth of the green building market. Jane’s background in management consulting, lead her to found the New Zealand Green Building Council then, become a director of the World Green Building Council in 2007, and CEO in 2010. Jane is a recent past director of the United Nations Sustainable Building Climate Initiative board (UNEP-SBCI). Jane is committed to driving market transformation that is underpinned by sound economic practices that simultaneously deliver financial, social and environmental benefits.

Tom Belsham serves as the Manager of the Sustainability Programs Unit at the City of Sydney, where he leads a range of programs aimed at facilitating environmental performance improvements, in line with the Sydney 2030 plan, within key residential and business customer sectors. Prior to joining the City of Sydney in 2010, Tom worked as a consultant in a Sydney based energy efficiency service provider for clients such as PwC and MBF Australia. Tom is completing a Masters of Environmental Management from the University of NSW, and holds a Grad Cert. in Business Administration from Warwick Business School and a degree in Electronic Engineering. Tom is a Chartered Engineer and Member of the Institution of Engineering and Technology.

Hiroyuki Miyata has been working in the Tokyo Metropolitan Government since 1996 after his eight years experience in private company. After his experience in Bureau of Sewerge, he joined Bureau of Environment in 2012. Currently he is responsible for emission trading systm. Based on his engineering work including designing and managing product facilities at an auto manufacturar and swage plants, he has been working on climate change policies and porgrams since 2002. He engaged in establishing the world’s first urban cap and trade program including enactment, various systems, regulations and guidelines under the program. He specialized in energy efficiecy in factories, facilities and residences from the perspective.
Roland Hunziker is project director for the Energy Efficiency in Buildings project at the World Business Council for Sustainable Development (WBCSD). The project’s aim is to drive market transformation by unlocking financially viable energy efficiency investments through a series of local building market stakeholder engagements. Roland holds an MBA from INSEAD, France, and an MA in history and political science from the University of Zurich, Switzerland. Prior to working at the WBCSD, he was a delegate of the International Committee of the Red Cross (ICRC), coordinating field activities in the armed conflicts of Colombia, Liberia and Ivory Coast.

Yuko Nishida is a Planner for Bureau of Environment, Tokyo Metropolitan Government (TMG). She is specialized in urban sustainable development issues, currently in charge of policy making and international cooperation regarding climate change and heat island effect. Prior to her current position, she worked as an Urban Renewal Planner and Coordinator at the Bureau of Construction from 1983 to 1994. Also, she was a researcher at the Institute of in-house Training Institute of Tokyo Metropolitan Government from 1994 to 1998. During this period, she was also a visiting research associate at the United Nations University from 1996 to 1997. She is in her current position at the Bureau of Environment from 1998. She received her Master in Public Administration from the Kennedy School of Government, Harvard University. Related publication: Yuko Nishida and Ying Hua (2011) Motivation stakeholders to deliver change: Tokyo’s Cap-and-Trade Program, Building Research & Information Vol39, Issue5, 2011 http://www.tandfonline.com/toc/rbri20/current