ISCI International Solar Cities Initiative

5th ISCI Congress
Dear Colleagues,

On Behalf of the ISCI Board members, I would like to welcome all of you to the 5th Buenos Aires International Solar Cities Congress. This congress is a very special moment for all of those who take the first step on forming of the solar city network in South America that International Solar Cities Initiative has dreamed of. The City of Buenos Aires finally opened a continental platform for policy makers, experts, businesses and NGOs who can realize their practical programs which are consistent with the scenarios presented by the Inter-governmental Panel on Climate Change (IPCC).

The theme of Buenos Aires Congress is “Energy in Cities: Innovation facing Climate Change.” The Congress will discuss what kind of innovative technologies and actions should be taken in the cities to create a sustainable energy and environmental future. The Congress will also provide an excellent opportunity to highlight the role of South American cities in overcoming energy/environmental challenges that the global community confronts. The Congress is organized in so important time and place. My special thanks go to the Mayor of Buenos Aires City, Mauricio Macri and city officers for their devotional action and generosity in support of ISCI and the global biosphere.

Modern cities have mushroomed on their rich nutrient of fossil fuel. The ground that the cities have spread and grown globally is based on the availability of fossil fuels: coal, petroleum and natural gas. In one word, the urban structures are made of fossil. Fossil fuels supply 85% of the world commercial energy – 75% of this is used to support cities. Solar city mission is to raise the energy efficiency with introduction of renewable energy sources in cities and towns and to make lower greenhouse gas emissions and fossil fuel dependency.

The idea of solar cities movement is originated from the works of Professors, Anne Grete Hestness, John Byrne, David Mills and myself with support of ISES/IEA, IPCC and UN since the late 1990s. The philosophical underpinning for ISCI was derives from the paper titled “An Equity- and Sustainability-Based Policy Response to Global Climate Change.” By John Byrne, Young-Doo Wang, Hoesung Lee and Jong-dall Kim. 1998, Energy Policy. Vol. 26, No.4; 335-343.

Like other host cities of ISCI Congress including Daegu, South Korea; Oxford, England; Adelaide, Australia; Dezhou, Chin; Buenos Aires, Argentina are enhancing the effectiveness of solar cities initiative programs based on the pillars of political action, cooperation, and scientific credibility. In recent, governing board of ISCI announced the city of Noordwijk, Netherland as next host city of ISCI Congress. I hope city of Noordwijk will accelerate the solar cities movement throughout the World, not only in Europe.

Welcome and special thanks to many important speakers and cities’ representatives for their attending to ISCI Congress. For you all, this congress will be a very interesting experience in environment and culture. ISCI members are deeply grateful for your participation from your busy schedules and for your special effort to make blue planet of earth spaceship.

Again thank you all for coming to Buenos Aires and please enjoy the wonderful hospitality provided by our host city, solar city Buenos Aires!

17th November, 2014

Professor Kim, Jong-dall
President
ISCI
The International Solar Cities Initiative (ISCI) is an international non-profit organization dedicated to promote new urban policies, planning and practices that reduce city per capita greenhouse emissions to levels consistent with long term climate sustainability as estimated by Intergovernmental Panel on Climate Change.

**Outline**

© President : Jong-dall Kim(Professor, Kyungpook National University)
© Headquarter : Daegu, South Korea
© Founded in 2003
© Member Cities
Daegu (South Korea), Oxford (UK), Adelaide (Australia), Dezhou (China), Buenos Aires (Argentina)
© Participating Cities
Gwangju (South Korea), Beijing, Qingdao, Hangzhou (China), Kaohsiung (Taiwan), Sapporo (Japan), Hague (Netherlands), Gothenburg (Sweden), Freiburg, Gelsenkirchen (German), Linz (Austria), Santa Monica, Portland, Minneapolis (US), Cape Town (Republic of South Africa), etc.
© Observing City: Ulaanbaatar (Mongolia)

### History

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<th>Year</th>
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<td>2003.</td>
<td>Launch of ISCI as an independent organization</td>
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<td>2004.11</td>
<td>1st ISCI Congress (Daegu, Korea)</td>
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<td></td>
<td>- Agenda: Solar Cities for a Sustainable World</td>
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<td>2006.4</td>
<td>2nd ISCI Congress (Oxford, UK)</td>
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<td>- Agenda: Solar Cities: Reducing Carbon Emissions from Cities</td>
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<td>2008.2</td>
<td>3rd ISCI Congress (Adelaide, Australia)</td>
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<td>- Agenda: Visionary Voices Talk Sustainable Cities</td>
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<td>2010.9</td>
<td>4th ISCI Congress (Dezhou, China)</td>
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<td>- Agenda: Solar Energy Changes Life</td>
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<td>2012.3</td>
<td>Establishing the permanent international headquarter and secretariat in Daegu</td>
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<td>2014.11</td>
<td>5th ISCI Congress (Buenos Aires, Argentina)</td>
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<td>- Agenda: ‘Energy in Cities: Innovation Facing Climate Change’</td>
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<td>2016.11</td>
<td>6th ISCI Congress (Noordwijk, Netherland) – To be scheduled</td>
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**Daegu Declaration (Daegu, 2004)**

The introduction of measures and projects consistent with a gradual reduction of per capita emissions by 2050 to levels consistent with long term climate sustainability as estimated by the Inter-governmental Panel on Climate Change. A common understanding that each city will set its own target for renewable energy adoption with a specific timetable most appropriate for its geographical, economic, and political circumstances. The establishment of partnerships between institutes and centers in developing and developed countries, with the assistance of UN and other international agencies, that promote the mutual development of renewable energy implementation techniques and capacity building in cities, and the sharing of expertise with regard to integrated development and climate change policies.

The encouragement of sisterhood relationships between participating cities in the fields of renewable energy implementation, end use efficiency, and climate change policy, through personnel exchanges, city-to-city peer review of programs, and information sharing.
Main Business Plan

- Improvement of energy efficiency
  - Campaign to improve energy efficiency
  - Energy efficient building and city planning
  - Green building plan
- Supplying sustainable energy
  - Presenting the mid-term and long-term target for renewable energy supply specifically
  - Applying solar heating and photovoltaic systems to all sectors
  - Move forward with pilot projects including green village and solar school
  - Supply various energy source including electric car, hydrogen fuel cell vehicle, fuel cell and wind power
- Promoting Renewable Energy Industries
  - Set up of financial mechanism, which is associated with Energy Service Companies (ESCOs)
  - Create new demands for new renewable energy through district unit development based on micro smart grid
  - Push forward with mega solar project linked with manufacturer, installing company and energy service companies (ESCOs)
  - Support and raise of renewable energy related tourism industry
  - Develop and raise regional convention industry about renewable energy
- Greening Urban environment and infrastructure
  - City planting business
  - Restoring ecological nature

International Solar Cities Congress

- Biannual Congress
- Main Program
  - Mayors Summit: Discuss about climate change, city-level countermeasures, renewable energy and the establishment of an international network of solar cities
  - Scientific Conference: Share studies and information on solar energy and renewable energy
  - Citizen’s Forum: Civic environmental groups share information on solar energy and renewable energy
  - Business Forum: Companies share information on industries concerning solar energy and renewable energy
  - Exhibition: Environment-friendly products are put on displayed
- Characteristics of Congress
  - Share and develop the Solar City Policies
  - Build partnership network in ISCI
- Participants: City Policy Makers, UN, International Organizations, politicians and citizens who are interested in energy and environment

Board Members

- Jong-dall Kim
  - President of the ISCI
  - Professor, Kyungpook National University, South Korea
  - Director, Center for Solar City Daegu, and Research Institute for Environment & Economy
- Iida Tetsunari
  - Executive Director, institute for Sustainable Energy Policies, Japan
  - Japan Governmental committee member for “Energy Policy” and “Renewable Energy Policy”
- John Byrne
  - Distinguished Professor of Energy and Climate Policy, University of Delaware, U.S.
  - Contributor to 2007 Nobel Peace Prize
  - Director, Center for Energy & Environmental Policy, University of Delaware, U.S.
- Sanjay Mangala Gopal
  - Associate Professor and Director, Non-Conventional Energy Sources Laboratory, Department of Mechanical Engineering, Veermata Jijabai Technological Institute, India
- Monica Oliphant
  - Adjunct Professor, University of South Australia

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