

Green Technology (GT)

GT Papers 1 (6th Aug 2009, 08:00 – 09:20, Canary2), Session Chairs Jung-Sik Kim, Seung-ho Lee

Keynote speech

- Gook-Sup Song, Human response in thermal environment(Korea)- 20+5 min



Dr. Gook-Sup Song is a Professor at Bucheon University (1981-Present), and the vice president of Korean Society of Living Environmental System. He received PhD in Architectural Engineering at Chung-Ang University. He has investigated human responses in various building environments, and one of experts in the field of the under floor heating system; ONDOL.

Paper presentation

1. Who-Seung Lee, Frontiers in animal behavior strategy and application in energy, economy, and environment (UK) – 7+ 3 min
2. Jung-Rae Kim, Application of bioelectrochemical processes for electricity generation and sustainable wastewater treatment(UK)-7+3 min
3. Hyunsuk Lee, Hydrocarbon surfactants for supercritical carbon dioxide(UK)-7+3 min
4. Myung-Joo Kang , Sustainable and Competitive Product Service System Solutions(Austria) – 7+3 min
5. Dowon Kim, Inter-firm Collaboration for Low Carbon Society(UK) -7+3 min

Green Policy & Strategy Forum (6th Aug 2009, 14:00 – 16:15, Canary2), Session Chairs: Prof. Eui-chan Jeon (Korea), Dr Hae Min Kim (UK)

Keynote speech: Policy and strategy for green growth

1. Dr. HeungJin Choi (Director General, Presidential Committee on Green Growth), Government strategy of green growth in Korea



Dr. Heung-Jin Choi is the Director-General of Climate Change Policy at Presidential Committee on Green Growth. He has worked for Korea Ministry of Environment since 1987. He earned his PhD in Civil and Environmental Engineering at the University of Delaware, USA.

2. Dr. Walter Wehrmeyer (Professor, Centre for Environmental Strategy at University of Surrey), Business strategy for sustainable economic growth in EU



Dr. Walter Wehrmeyer is Reader and deputy director of Centre for Environmental Strategy in University of Surrey. He is also editor of Greener Management International, sits on the Editorial Board of Environment, Development and Sustainability, and is Co-editor, Case Studies of the Journal of Industrial Ecology. His current interest cover organisational approaches to innovation and sustainable development, participatory approaches to decision-making, and corporate social responsibility, in particular, the role of culture and ethics in defining and forming business strategies.

3. Mr. Yul Choi (President, Korea Green Foundation), Engaging citizen in tackling climate change: global NGOs activities



Mr. Yul Choi is the President of Korea Green Foundation. He has been worked for Korean Anti-Pollution Organization. He also worked for The Korean Federation for Environment Movement. He received National Recognition in Commemoration of World Environmental Day in 1997 and Goldman Environmental Prize in 1995.

***Green Technologies Forum (6th Aug 2009, 16:30 – 18:45, Canary2), Session
Chairs: Doo Bong Chang (Germany), In Sun Lee (UK)***

Keynote speech: Technologies for green growth

1. Dr Andrew Grant (Senior Lecturer, Dept. of Mechanical Engineering at University of Strathclyde), Renewable Technologies in EU: 2nd generation tidal turbine



Andrew Grant is a Senior lecturer at University of Strathclyde. He has studied on renewable energy conversion systems dates from the late 1970's. He has contributed the development of small novel devices for the utilisation of energy from ocean waves and marine currents. Subsequently diversified into wind turbine aerodynamics, and the integration of renewable energy conversion systems into networks at local and regional levels.

2. Mr. Bill Dunster (Principal Director, Zedfactory Ltd.), Towards Zero carbon Buildings



Mr. Bill Dunster is an award winning eco architect. He designed BedZED, and since 1999, practice has completed number of award winning zero carbon/ low carbon building projects. He has also taught at the Architectural Association and Kingston University and regularly speaks at a range of seminars and conferences all over the world.

3. Dr. Yeonmook Nah (Dan-Kook University), Green IT Strategy in Korea

GT Papers 2 (7th Aug 2009, 08:00 – 09:30, Canary2), Session Chairs, Dowon Kim, Dong-Seon Kim

Paper presentation

1. Sungjoo Lee, Technology co-evolution analysis in the energy sector(Korea), 7+3 min
2. Seung-Ho Lee, Green Architecture(France), 7+3 min
3. Soo-Young Bae, Wireless monitoring system for hybrid power generation system(Korea), 7+3 min
4. Ji-Yeon Kim, Research on the application method for renewable energy complex system for school buildings(Korea)-7+3 min
5. Ji-Young Lee, Optimisation methodology of low carbon mixed energy systems using the bees algorithm(UK)-7+3 min
6. Lae-Hyun Kim, Development of district heat demand forecasting model using neural networks(Korea)-7+3 min
7. Ui-Sik Kim, Optimal operation system of the Integrated district heating system with multiple regional branches(Korea)-7+3 min

Poster Presentation (7th Aug 2009, 12:10 – 12:30)

1. Hyo-Soon Park, An analysis on the plan to save demand for energy and introduce a renewable energy system in Innovation cities(Korea)
2. Jae Min Kim, Low-Carbon new city energy planning using hourly demand/supply profiles matching analysis(UK)
3. Dong-Soo Jeong, Korean creative green vehicles for the future global market(korea)-7+3 min