

The 11th Japan-China-Korea Joint Symposium on

Carbon Saves the Earth

- Materials and Processes for New Energies and Environmental Protection –

November 10-12, 2013

Hotel Toyokan

128, Unzen, Obama-machi, Unzen-shi, Nagasaki 854-0698, Japan

The 3rd KU-KIER Joint Symposium on Green Energy Processes and Materials

November 12, 2013

Hotel Toyokan

128, Unzen, Obama-machi, Unzen-shi, Nagasaki 854-0698, Japan



Dear Colleagues,

We are very pleased to announce that **the 11th International Symposium on Carbon Saves the Earth - Novel Materials and Processes for Energy Devices and Environmental Protections** and **the 3rd KU-KIER Joint Symposium on Green Energy Processes and Materials** will be held at Unzen Toyokan Hotel in Nagasaki province from November 10th to 12th, 2013, which are hosted by **Research and Education Center of Carbon Resources, Kyushu University**.

The motivation and aim of the meeting are to foster the cooperation of science and engineering of materials and processes for energy saving, cleaning, storage and conversion, and also for environmental protection, where methods in one field are used for solving the problems of the other fields, and vice versa, having in mind the need to strengthen the fields which are "in between". The symposium covers areas that are included to (1) Conversions of carbon resources; (2) Pyrolysis of carbon resources; (3) Nano carbons including CNTs, CNFs, graphene and others; (4) Porous materials for catalysis and adsorption; (5) Graphites and their applications, (6) Carbon fibers and their composites (7) Carbons for new energy science and engineering, (8) Novel energy materials, devices and processes; (9) Raw materials and precursors for carbons; and (10) Petroleum related science and engineering.

Organizers:

Professor Seong-Ho Yoon (IMCE, Kyushu University), yoons@cm.kyushu-u.ac.jp

Associate professor Jin Miyawaki (IMCE, Kyushu University), miyawaki@cm.kyushu-u.ac.jp

Co-organizers:

Professor Feiyu Kang (Tsinghua University, China)

Professor Doohwan Jung (KIER, Korea)

Supported by

Research and Education Center of Carbon Resources, Kyushu University
Kasuga, Fukuoka, 816-8580, Japan

Important deadlines:

Submission of 200 words abstract: September 30th

Notification of acceptance/rejection: October 5th

Submission of Full proceeding submission: October 15th

E-mail to cse2013@cm.kyushu-u.ac.jp

Symposium place:

Hotel Toyokan (東洋館)

128 Unzen, Obama-machi, Unzen-shi, Nagasaki, 854-0698, Japan

<http://www.toyokan.com/>

Accommodation:

Hotel Toyokan (東洋館), <http://www.toyokan.com/>
128 Unzen, Obama-machi, Unzen-shi, Nagasaki, 854-0698, Japan

Room rate:

- 4–6 occupancy: 12,000 Japanese Yen per person per night
- double occupancy: 15,000 Japanese Yen per person per night

* Basically, no single room is available. (We can negotiate with our travel agency on behalf of you if you desire to stay by yourself, but cannot guarantee if you can find your single room.)

* Free Wi-Fi service is available only at hotel lobby.

* In order to guarantee your accommodation, please complete the attached form and send back by e-mail to Dr. Jin Miyawaki (cse2013@cm.kyushu-u.ac.jp) as soon as possible.

Invitation letter for visa application:

If you need an invitation letter for your visa application, please send the following information to Professor Seong-Ho Yoon (cse2013@cm.kyushu-u.ac.jp) by email: your name and title, sex, date of birth, passport No., and nationality, affiliation and correspondence address.

If you have any questions, please contact to Dr. Jin Miyawaki.

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Tel: +81-92-583-8857, +81-92-583-7896

Fax: +81-92-583-7897

Registration:

This conference is open to everybody interested in Materials and Processes for New Energies and Environmental Protection.

November 10th 15:00~21:00, Conference desk (Hotel Toyokan)

Registration fee:

- Regular participant : 300 US \$ or 30,000 Japanese Yen
- Student : 200 US \$ or 20000 Japanese Yen
- Accompanying person : 200 US \$ or 20,000 Japanese Yen

* You can pay by credit card in Pre-registration via the website for CSE2013 ([URL](#)).

* You can pay by cash only in the late registration at front desk on Nov. 10th. (Credit cards are NOT acceptable in the case of the late registration.)

* Registration fees for regular participants and students include the participation in all sessions, conference materials, lunches, coffee-breaks, welcome cocktail and banquet. Accompanying person fees include lunches, welcome cocktail and banquet.

* Accommodation fee is NOT included.

Program (tentative)

Day 1: November 11 th , 2013 (Mon)			
Time	Presentation code	Presentation title	Presenter
08:45-09:00	Opening remark: Professor Junichiro Hayashi (Kyushu University), Professor Seong-Ho Yoon (Kyushu University), Professor Feiyu Kang (Tsinghua University), Prof. Doohwan Jung (KIER)		
Session 1-1 Chairperson: Prof. S.-H. Yoon			
09:00-09:45	Plenary 01		Prof. Yasutake Teraoka
09:45-10:15	Keynote 01		China
10:15-10:45	Keynote 02		China
10:45-11:00	Coffee break 01		
Session 1-2 Chairperson: Prof. R. Fu			
11:00-11:30	Keynote 03		Korea
11:30-12:00	Keynote 04		Japan
12:00-12:30	Keynote 05		Korea
12:30-13:30	Lunch 01		
Session 2-1 Chairperson: Prof. K.S. Yang			
13:30-14:15	Plenary 02		China
14:15-14:45	Keynote 06		Japan
14:45-15:15	Keynote 07		China
15:15-15:30	Group photo session 01		
15:30-16:30	Poster session		
16:30-16:45	Coffee break 02		
Session 2-2 Chairperson: Prof. F.Y. Kang			
16:45-17:30	Plenary 03		Korea
17:30-18:00	Keynote 08		Japan
18:00-18:30	Keynote 09		Korea
19:00-21:00	Banquet		

Day 2: November 12 th , 2013 (Tue)			
Time	Presentation code	Presentation title	Presenter
Session 3-1 Chairperson: Prof. W. Qiao			
09:00-09:45	Plenary 04		Japan
09:45-10:15	Keynote 10		Korea
10:15-10:45	Keynote 11		Japan
10:45-11:00	Coffee break 03		
Session 3-2 Chairperson: Dr. J. Miyawaki			
11:00-11:30	Keynote 12		China
11:30-12:00	Keynote 13		Korea
12:00-12:30	Keynote 14		China
12:15-13:15	Lunch 02		
13:15-13:30	Group photo session 02		
Session 4-1 Chairperson: Prof. J. Qui			
13:30-14:00	Keynote 15		Japan
14:00-14:30	Keynote 16		Korea
14:30-15:00	Keynote 17		China

- Plenary lectures (4 cases)
Japan (2 case), China (1 case), Korea (1 case), 45 min including 5 min question time
- Keynote lectures (17 cases)
Japan (5 cases), China (6 cases), Korea (6 cases)
- Poster presentations (25–45 cases)
Japan (10 cases), China (10–20 cases), Korea (10–20 cases)

Special session			
The 3rd KU-KIER Joint Symposium on Green Energy System and Material			
15:20-15:30	Opening remark: Professor Junichiro Hayashi and Professor Doohwan Jung		
Special session 1 Chairperson: Professor J. Hayashi			
15:30-16:00	Keynote S01		Korea
16:00-16:30	Keynote S02		Japan
Special session 2 Chairperson: Prof. D.H. Jung			
16:30-17:00	Keynote S03		Korea
17:00-17:30	Keynote S04	Petroleum related	Dr. Joo-Il Park
17:30-17:45	Closing remark: Professor Isao Mochida		

[Attached 1] Format of 200 words abstract

Carbon nanofibers

Seong-Ho YOON*

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Abstract

The electrospinning is a feasible technology to make nano-composite materials through blending with various ingredients, such as polymer, metal or ceramics. The compositing technology is one of the convenient methods to create optimum size of pores to fit in the molecules and ions to enhance storage efficiency or to functionalize the surface. In this study, the compositing technology was used for enhancing the energy storage efficiency, elevating efficiency of gas adsorption and activity of photo-catalysis. The energy density of the electrode of the supercapacitor from the carbon nano-composite was ranged 35-91Wh/kg at the power density of 100 kW/kg-3.5kW/kg, respectively.

Keywords: Electrospinning, Carbon nano-composite, Energy

[Attached 2] Hotel Reservation Form

Profile for Hotel Reservation

Information of Participant	
First name:	Family name:
Title or Position:	Sex:
Nationality:	E-mail:
Affiliation:	
Arrival:	Departure:
Accompanied by (Mr, Mrs, Miss):	
First name:	Family name:
Hotel Reservation Information	
Check in Date:	Check out Date:
With whom you wish to share a room?	

Please return to this form to Dr. **Jin Miyawaki** (cse2013@cm.kyushu-u.ac.jp) as soon as possible.



KYUSHU UNIVERSITY

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Invitation letter of
“The 11th Three Countries Joint Symposium on Carbon Saves the Earth”
(The CSE2013)

Dear Colleagues,

I am very pleased to invite you to the 11th three countries joint symposium on ‘Carbon Saves the Earth (CSE 2013) – Carbon Materials for Energy Devices and Environmental Protection -’ to be held at Unzen Toyokan Hotel in Obama-machi, Nagasaki, Japan from 10th to 12th of November 2013 which is hosted by the Research and Education Center of Carbon Resources of Kyushu University.

Unchangingly, the aim of the symposium is to increase the cooperation of three countries’ carbon specialists on carbon technology for high efficient energy consuming, saving, storing, and conversion, and also for environmental protections, where methods of one field are used for the problems of the other fields and vice versa, having in mind the need to strengthen the fields which are “in between”.

The symposium covers an area such as (1) New forms of carbons: synthesis, tailoring of structure and nanotexture, functionalization, (2) Fundamentals and applications of adsorption, (3) Porous, activated carbons and other related materials, (4) Super capacitors, lithium batteries, fuel cells and other advanced batteries, (5) Gas and heat storage, solar energy conversion, (6) Environmental impact, trapping of organic and inorganic compounds, (7) Biological and health applications of carbons, (8) Catalysts and catalyst supports, (9) Applications in micro electron, (10) High efficient utilization of coal (including CCT) and cokes, and (11) Deep desulfurization, denitrogenation, and de-metallization of petroleum. In this year, we determined the Li-ion battery and super capacitor as keywords, High utilization of coal, petroleum and solar energy should be continuous keyword because their high efficient utilizations and environmental protection will be very important as years go by. Other carbons related to energy and environment are, of course, always welcome.

September 15, 2013

Seong-Ho Yoon

Professor, Institute for Materials Chemistry and Engineering, Kyushu University

Professor, Vice manager of the Research and Education Center of Carbon Resources

Organizer



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Invitation letter of

“3rd KU-KIER Joint Symposium on Green Energy Processes and Materials” (The 3rd GEPM 2013)

Dear Colleagues,

I am very pleased to invite you to the **3rd KU-KIER Joint Symposium on Green Energy Processes and Materials** to be held at Unzen Toyokan Hotel in Obama-machi, Nagasaki, Japan at 12th of November 2013 which is hosted by the Research and Education Center of Carbon Resources of Kyushu University.

The aim of this symposium is to increase the cooperation of the specialists in Kyushu University (Research and Education Center of Carbon Resources) and Korea Institute of Energy Research on Green Energy Processes and Materials.

The symposium covers whole subjects which contain the area of Green Energy related Processes and Materials. High utilization of coal, petroleum, gas, fuel cell and solar energy should be major keyword because their high efficient utilizations and environmental protection will be very important as years go by. Other Green Energy related areas, of course, always welcome.

September 17, 2013

Seong-Ho Yoon

Professor, Vice manager of the Research and Education Center of Carbon Resources
Organizer