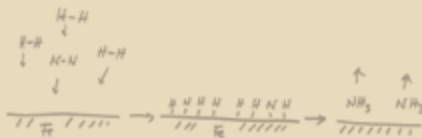


International



5th Ertl Symposium on

Catalytic & Adsorption Reactions in Chemical ProcessEs

25-28 November 2018 in Gwangju, South Korea

| hosted by the Ertl Center, GIST & FHI der MPG

CARPE Diem

ertl-symposium.org



Prof. Dr. Gerhard Ertl

Nobel Laureate 2007

Fritz-Haber-Institut der Max-Planck-Gesellschaft Berlin, Germany
"for his studies of chemical processes on solid surfaces"

"CARPE Diem"

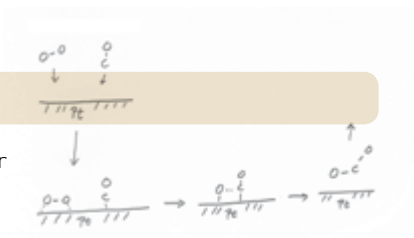
Introduction

At the beginning of the 21st century our world is facing serious problems with regards to environment, climate, energy conversion, raw materials, water and food. All these global problems are seeking scientific solutions, especially from physical chemistry and electrochemistry, and in this connection analysis and dynamics are of tremendous importance, in particular Catalytic and Adsorption Reactions in chemical ProcessEs. It is expected that the 5th Ertl symposium will provide a good opportunity in these attempts, and we wish great success to all the people involved in this enterprise.

Honorary Chair

Gerhard Ertl

FHI der MPG & GIST Ertl Center



Organizing and Scientific Committee

Sang Hoon Kim

KIST (Co-Chair)

Hye Jin Lee

Kyungpook National University

Jaeyoung Lee

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Robert Schlögl

FHI der MPG & MPI for Chemical Energy Conversion (Co-Chair)

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Institute for Advanced Engineering

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Key Topics

- How to create H₂ from CO₂?
- Water Oxidation and *vice versa*
- Ammonia Decomposition and *vice versa*
- Reforming and Electrochemical reforming
- Electrostatic Ion Adsorption
- Spatiotemporal Pattern Formation
- Computational Electrochemistry

ertl-symposium.org

Award Lectures (2018 Ertl Prize Winner)

Jinsub Choi	Inha University
Zhifeng Ding	University of Western Ontario

Keynote, Invited and Contributed Speakers (03 July 2018)

Chang Hyuck Choi	GIST
Jiangkun Du	China University of Geosciences (Wuhan)
Hyung Chul Ham	KIST
Beomgyun Jeong	KBSI
Jongsik Kim	KIST
Youngkook Kwon	KRICT
Gibaek Lee	Yeungnam University
Hye Jin Lee	Kyungpook National University
Kiyong Lee	Kyungpook National University
Olaf Magnussen	Christian-Albrechts University Kiel
Daniel Mandler	The Hebrew University of Jerusalem
Byoung Koun Min	KIST
Kyung-Eun Min	GIST
Yoshiko Miura	Kyushu University
Hirohisa Nagatani	Kanazawa University
Joey D Ocon	UP Diliman
Bui Thi Phuong Quynh	Ho Chi Minh City University of Food Industry
Robert Schlögl	FHI der MPG & MPI for Chemical Energy Conversion
Hyun Ook Seo	Sangmyung University
Dongyoon Shin	MPI for Chemical Energy Conversion
Yujin Tong	FHI der MPG

Woonsup Shin	Sogang University
Sunghyun Uhm	Institute for Advanced Engineering
Boon Siang Jason Yeo	National University of Singapore
Jeyong Yoon	Seoul National University

Abstract Submission by 15 September 2018

150-300 words with illustration and pictures in WORD file

E-mail submission: ertl@gist.ac.kr

Conference Fee & Registration

▶ Regular participants: €400

Students: €200

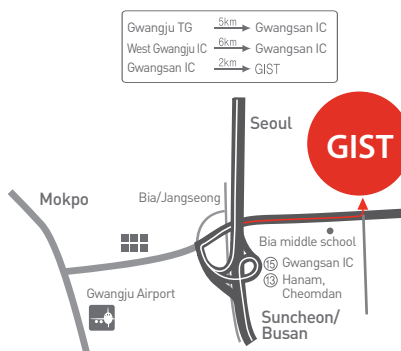
The symposium registration fee includes a copy of the book of abstracts, Tutorial Course, coffee break and Conference Dinner.

Payment: in CASH or Credit Card at the registration desk upon arrival.

Conference Venue

The 5th Ertl Symposium will be held at the Oryong Hall, the conference venue of the Gwangju Institute of Science and Technology (GIST). The hall has state-of-the-art conference facilities and is an ideal meeting location.

GIST can be reached by bus, train, or airplane from Incheon International Airport and is well connected by plane (40 min. from Gimpo), high-speed train (90 min. from Gwangmyeong Station) and express bus (3 hrs 30 min. from Seoul).



Special Issue

The symposium proceedings will be published in a special issue of **Catalysis Today** on Catalytic and Adsorption Reactions in chemical ProcessEs. Articles will be subject to the standard peer review for an Elsevier journal. The Catalysis Today website is active for this special issue (CARPE) and contributions can be uploaded starting **25 October 2018**. The deadline for submission of manuscripts is **31 January 2019**.

Guest Editors: Jaeyoung Lee (Ertl Center & GIST SESNEE), Sang Hoon Kim (KIST), Chang Hyuck Choi (GIST)

Program

Time		Monday [26/11/2018] Network Hall	Tuesday [27/11/2018] Network Hall	Wednesday [28/11/2018] Network Hall
08:00 – 09:00	60	Registration		
09:00 – 10:30	90	<i>Jaeyoung Lee</i> Tutorial Course AP-XPS in/for Electrochemistry Beomgyun Jeong	<i>abc</i> Award Lecture 2 / 40 Jinsub Choi Invited 7 / 25 tbc Invited 8 / 25 tbc	<i>abc</i> Invited 14 / 25 tbc Contributed Oral 7 / 20 tbc Contributed Oral 8 / 20 tbc Invited 15 / 25 tbc
10:30 – 11:00	30	Coffee Break		
11:00 – 12:35	95	<i>Hye Jin Lee</i> Opening Address / 2 Jaeyoung Lee Congratulatory Address / 3 Prof. Gerhard Ertl Award Lecture 1 / 40 Zhifeng Ding Invited 1 / 25 tbc Invited 2 / 25 tbc	<i>abc</i> Keynote 3 / 30 tbc Contributed Oral 3 / 20 tbc Contributed Oral 4 / 20 tbc Invited 9 / 25 tbc	<i>abc</i> Keynote 6 / 30 tbc Invited 16 / 25 tbc Keynote 7 / 30 tbc Closing Remarks / 10 Hye Jin Lee
12:35 – 14:20	105	Lunch		
14:20 – 16:00	100	<i>abc</i> Keynote 1 / 30 tbc Contributed Oral 1 / 20 tbc Invited 3 / 25 tbc Invited 4 / 25 tbc	<i>abc</i> Keynote 4 / 30 tbc Contributed Oral 5 / 20 tbc Invited 10 / 25 tbc Invited 11 / 25 tbc	Excursion (Damyang)
16:00 – 16:30	30	Coffee break (Photograph Time on Tuesday)		
16:30 – 18:10	100	<i>abc</i> Keynote 2 / 30 tbc Contributed Oral 2 / 20 tbc Invited 5 / 25 tbc Invited 6 / 25 tbc	<i>abc</i> Keynote 5 / 30 tbc Contributed Oral 6 / 20 tbc Invited 12 / 25 tbc Invited 13 / 25 tbc	
18:10 – 20:40	150	Poster Session	Symposium Dinner & Award Ceremony	

Supports and Sponsors



THE Ertl Center



Accommodation

The GIST lodging facilities offer around 50 rooms located inside or outside the campus (within 10 min. walking distance). Nearby hotels ranging from 2-star to 5-star offer additional accommodation. Reservations should be made individually.



Mudeungsan Mountain

About Gwangju

Gwangju, also called the City of Light, with a population of 1.5 million, is the fifth largest city in South Korea. Gwangju is situated in Southwestern part of South Korea, about 300 kilometers south of Seoul and can be easily reached from other major cities in South Korea. Gwangju has long been renowned for its tradition, customs, culture and arts. It is home to the Gwangju Biennale, held every two years to celebrate the worldwide artistic accomplishments by accommodating works of both Asian and contemporary Western art. The city has an important place in the history of South Korea's democracy and human-rights movement.

