

International



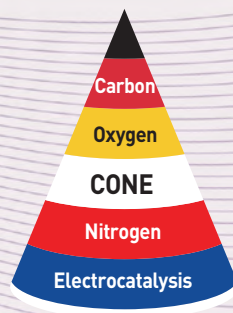
# 7<sup>th</sup> Ertl Symposium on Catalysis in Electrochemistry

25-28 October 2022 in Gwangju

co-organized by



Institute of Engineering  
Thermodynamics



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"

THE KOREAN  
ELECTROCHEMICAL  
SOCIETY



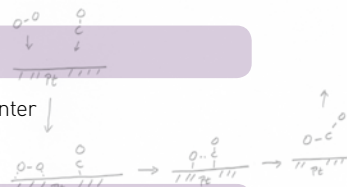
## Introduction

At the beginning of the 21<sup>st</sup> 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. It is expected that the 7<sup>th</sup> 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

Prof. Dr. Gerhard Ertl

FHI der MPG & GIST Ertl Center



## Organizing and Scientific Committee

Jinsub Choi

Rémi Costa

Robert Francke

Andreas Friedrich

Aldo Saul Gago Rodriguez

Pawel Gazdzicki

Enrique Herrero

Saskia Heumann

Sang Hoon Kim

Hye Jin Lee

Jaeyoung Lee

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DLR

DLR

DLR

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Max Planck Institute for Chemical Energy Conversion

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Kyungpook National University

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Sangmyung University

Karlsruhe Institute of Technology

Technische Universität Berlin

Institute for Advanced Engineering

Korea Institute of Science and Technology

**Co-chair**

**Chair**

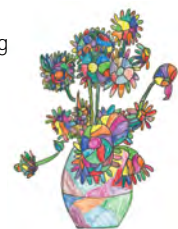
## Symposium Secretariat

Kiyoung Lee

Email ertl@gist.ac.kr

Inha University & GIST Ertl Center

Fax +82 62 715 2434 (Korea)



## Award Lectures (2022 Ertl Prize Winner)

Prof. Marc T. M. Koper (NL)  
Prof. Elena R. Savinova (FR)

Leiden University  
University of Strasbourg

## Contributed Speakers

Jinsub Choi (KR)  
Sang-Il Choi (KR)  
Rémi Costa (DE)  
Zhifeng Ding (CA)  
André H. B. Dourado (BR)  
Aldo Saul Gago Rodriguez (DE)  
Hiroki Habazaki (JP)  
Sang-Don Han (US)  
Hyung Chul Ham (KR)  
Yun Jeong Hwang (KR)  
Su-Il In (KR)  
Timo Jacob (DE)  
Beomgyun Jeong (KR)  
HyungKuk Ju (KR)  
Wooyul Kim (KR)  
Youngkook Kwon (KR)  
Marc Francis Labata (PH)  
Chang Hyun Lee (KR)  
Gibaek Lee (KR)  
Seunghwa Lee (KR)  
Hongqing Liang (DK)  
Ahyoun Lim (DE)  
Jongwoo Lim (KR)  
Julia Müller-Hülstede (DE)  
Hirohisa Nagatani (JP)  
Mehtap Oezaslan (DE)  
Julie Anne del Rosario (PH)  
Ioannis Spanos (DE)  
Yujin Tong (DE)  
Hamilton Varela (BR)  
Shen Ye (JP)  
Boon Siang Yeo (SG)  
JeongEun Yoo (KR)

Inha University  
Kyungpook National University  
DLR  
Western Ontario University  
University of Sao Paulo  
DLR  
Hokkaido University  
National Renewable Energy Laboratory  
Inha University  
Seoul National University  
Daegu Gyeongbuk Institute of Science and Technology  
Universität Ulm  
Korea Basic Science Institute  
Korea Institute of Energy Research  
Korea Institute of Energy Technology  
Ulsan National Institute of Science and Technology  
University of the Philippines-Diliman  
DanKook University  
Yeungnam University  
Changwon National University  
Aarhus University  
Max Plank Institute for Chemical Energy Conversion  
Seoul National University  
DLR  
Kanazawa University  
Technische Universität Braunschweig  
University of the Philippines Diliman  
Max Plank Institute for Chemical Energy Conversion  
Universität Duisburg-Essen  
University of São Paulo  
Tohoku University  
National University of Singapore  
Inha University

## Abstract Submission by 15 September 2022 (Only Poster Presentation)

150-300 words with only ONE image (figure or photo or table) in WORD file

E-mail submission: [ertl@gist.ac.kr](mailto:ertl@gist.ac.kr)

## Key Topics

- Dark and/or Photo Heterogeneous
- Homogenized Heterogeneous
- Molecular
- Scale-up Science of
- Process Engineering of
- Machine Intelligence of

## Special Collection

A Special Collection of ChemSusChem (2021 ISI Impact Factor: 9.140) is being assembled to highlight the work being presented at the 7<sup>th</sup> Ertl Symposium on Catalysis in Electrochemistry. Contributions will be invited and subjected to standard peer review for the journal.

Submissions are already open for the Special Collection and contributions can be uploaded via the ChemSusChem website. The deadline for submission of manuscripts is October 31, 2022.

Guest Editor: Jaeyoung Lee (GIST)

## Conference Fee & On-line Registration

► Regular participants: 350 EUR (470,000 KRW)

Student participants: 200 EUR (270,000 KRW)

The registration fee includes the Book of Abstracts, Tutorial Course,

Coffee and Tea Break with JAZZ, Poster Session F&B, Banquet and ACC Special tour

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

## Conference Venue <https://www.acc.go.kr/en/index.do>.

The 7<sup>th</sup> Ertl Symposium will be held at the Asia Culture Center (ACC) The hall has state-of-the-art conference facilities and is an ideal meeting location.

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



Program

TIME		OCT. 25 (TUE)	OCT. 26 (WED)	OCT. 27 (THU)	OCT. 28 (FRI)
08:00-09:00	60	Arrival	Registration		
09:00-10:45	105		<b>Opening Speech</b> <i>A. Friedrich</i> Invited Invited General	General Invited Invited General	General Invited Invited General
10:45-11:15	30		Coffee Break		
11:15-13:00	105		<b>Award</b> <i>E. Savinova</i> Invited Invited General	Invited Invited Invited Invited 2nd Group Photo	Invited Invited Invited Invited <b>Closing Remarks</b> <i>J. Lee</i>
13:00-15:00	120	Registration	Lunch & ACC Special Tour		Excursion
15:00-16:50	110	Student Digital Presentation Competition (max. 10 people)	<b>Plenary</b> Invited Invited Invited	<b>Plenary</b> Invited Invited Invited	
16:50-17:30	40	Coffee Break	1st Group Photo & Coffee Break	Special Tea Break with JAZZ	
17:30-19:00	90	<b>Tutorial</b> <i>B. Jeong</i>	Poster Session (F&B)	Invited Invited <b>Award</b> <i>M. Koper</i>	
19:00-21:00	120	General Assembly of the Ertl Center	Culture Night (ACC)	Award Ceremony & Banquet	

## Supports and Sponsors



## Accommodation

Special Rates for the participants of the 7<sup>th</sup> Ertl Symposium (Promo code: ERTL)

### The Hotel

Culture Hotel LAAM: <https://www.laam.kr/> - 125,000 KRW  
 ACC Design Hotel: <https://acchotel.kr/> - 99,000 KRW

Standard room rate: per night & person incl. tax, service charge & breakfast.

**Reservations should be made individually.** Other hotels (★★ to ★★★★★) near the venue are also available.

## About Gwangju <https://www.gjto.or.kr/>

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.

