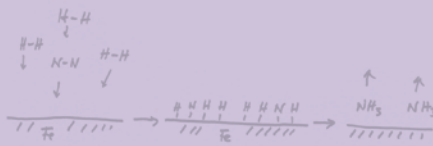


International



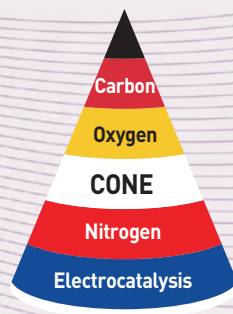
# 7<sup>th</sup> Ertl Symposium on Catalysis in Electrochemistry

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

Rémi Costa	Deutsches Zentrum für Luft- und Raumfahrt (DLR)	
Andreas Friedrich	DLR	<b>Co-chair</b>
Aldo Saul Gago Rodriguez	DLR	
Pawel Gazdzicki	DLR	
Enrique Herrero	Universidad de Alicante	
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Hye Jin Lee	Kyungpook National University	
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Peter Strasser	Technische Universität Berlin	
Sunghyun Uhm	Institute for Advanced Engineering	
Sung Jong Yoo	Korea Institute of Science and Technology	

## Symposium Secretariat

Kiyoung Lee

Inha University & GIST Ertl Center

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## Key Topics

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

## 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)	Inha University
Sang-Il Choi (KR)	Kyungpook National University
Rémi Costa (DE)	DLR
Zhifeng Ding (CA)	Western Ontario University
Robert Francke (DE)	Leibniz Institute for Catalysis
Aldo Saul Gago Rodriguez (DE)	DLR
Hiroki Habazaki (JP)	Hokkaido University
Sang-Don Han (US)	National Renewable Energy Laboratory
Hyung Chul Ham (KR)	Inha University
Yun Jeong Hwang (KR)	Seoul National University
Su-Il In (KR)	Daegu Gyeongbuk Institute of Science and Technology
Timo Jacob (DE)	Universität Ulm
Beomgyun Jeong (KR)	Korea Basic Science Institute
Gregory Jerkiewicz (CA)	Queen's University
HyungKuk Ju (KR)	Korea Institute of Energy Research
Wooyul Kim (KR)	Korea Institute of Energy Technology
Youngkook Kwon (KR)	Ulsan National Institute of Science and Technology
Chang Hyun Lee (KR)	DanKook University
Gibaek Lee (KR)	Yeungnam University
Seunghwa Lee (KR)	Changwon National University
Jongwoo Lim (KR)	Seoul National University
Julia Müller-Hülstede (DE)	DLR
Hirohisa Nagatani (JP)	Kanazawa University
Mehtap Oezaslan (DE)	Technische Universität Braunschweig
Ioannis Spanos (DE)	Max Plank Institute for Chemical Energy Conversion
Peter Strasser (DE)	Technische Universität Berlin
Yujin Tong (DE)	Universität Duisburg-Essen
Hamilton Varela (BR)	University of São Paulo
Shen Ye (JP)	Tohoku University
Boon Siang Yeo (SG)	National University of Singapore

## Abstract Submission by 31 July 2022

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)

## Special Collection

The symposium proceedings will be published in a special collection of ChemSusChem. Articles will be subject to the standard peer review for an journal. The ChemSusChem is active for this special collection (2020 ISI Impact Factor: 8.928) and contributions can be uploaded starting **August 2022**. The deadline for submission of manuscripts is **December 2022**.

Guest Editor: Jaeyoung Lee (GIST)

[https://chemistry-europe.onlinelibrary.wiley.com/doi/toc/10.1002/\(ISSN\)1864-564X.7ES-CONE](https://chemistry-europe.onlinelibrary.wiley.com/doi/toc/10.1002/(ISSN)1864-564X.7ES-CONE)

## Conference Fee & On-line Registration

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

Student participants: 180 EUR (240,000 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 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



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## Accommodation

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

### The Hotel

The link for the accommodation booking will be available in mid-July

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. Currency: 1 EUR = ca. 1340 KRW

## 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.

