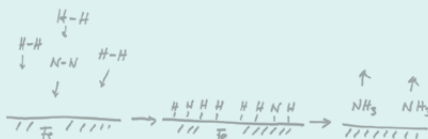


International



8th Ertl Symposium on

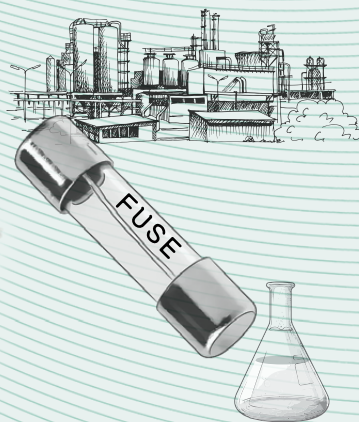
FUndamental to Scale-up Electrochemistry

26-29 June 2024 in Esslingen, Germany

Co-organized by



Universität Stuttgart



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"



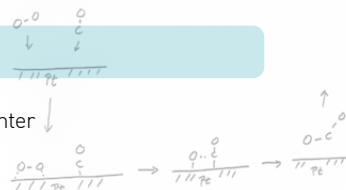
Introduction

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. It is expected that the 8th 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 Committee

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Andreas Friedrich
Jaeyoung Lee
Kiyoung Lee
Tobias Morawietz
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GIST Ertl Center & ifRC-CHESS
Inha University
German Aerospace Center (DLR)
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Technical University of Berlin
Institute for Advanced Engineering

Symposium Secretariat

HyungKuk Ju
Email ertl@gist.ac.kr
Fax +82 62 715 2434 (Korea)

Dankook University



Key Topics

Material Synthesis: Catalyst, Membrane, Gas Diffusion Layer

Electrode Coating Technology

Full Cell Configuration & on-site Monitoring

Ink & Slurry Chemistry

in-situ Surface and Interface Analysis

AI Machine Learning

Award Lectures (2024 Ertl Prize Winner)

Malte Behrens

Boon Siang Yeo

Kiel University

National University of Singapore

Contributed Speakers

Michael Castro

Jinsub Choi

Zhifeng Ding

Fabio Dionigi

André Dourado

Robert Francke

Timo Jacob

HyungKuk Ju

Hanno Käb

Sang Hoon Kim

Elias Klemm

Marc T. M. Koper

Dennis Kopljär

Katharina Krischer

Anthony Kucernak

Kiyoung Lee

Ahyoun Lim

Fabio Lima

Olaf Magnussen

Karl Mayrhofer

Tobias Morawietz

Julia Müller-Hülstede

Mehtap Özarslan

Jin-Soo Park

Ryan Richards

Elena R. Savinova

Marc Secanell

Ioannis Spanos

Werner Strunz

Yujin Tong

Suriya Venkatesan

Shen Ye

University of the Philippines Diliman

Inha University

The University of Western Ontario

Technische Universität Berlin

São Paulo State University

Leibniz Institute for Catalysis

Ulm University

Dankook University

University of Esslingen

Korea Institute of Science and Technology

University of Stuttgart

Leiden University

German Aerospace Center (DLR)

Technische Universität München

Imperial College London

Inha University

Max Planck Institute for Chemical Energy Conversion

University of São Paulo

Kiel University

Helmholtz Institute Erlangen-Nürnberg for Renewable Energy

German Aerospace Center (DLR)

German Aerospace Center (DLR)

Technische Universität Braunschweig

Sangmyung University

Colorado School of Mines

University of Strasbourg

University of Alberta

Max Planck Institute for Chemical Energy Conversion

Zahner

Universität Duisburg-Essen

German Aerospace Center (DLR)

Tohoku University

Abstract Submission by 15 May 2024

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

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

Themed Issue

Submissions will be open for the Themed Issue (Journal Name tbc) and contributions can be uploaded via the website. The deadline for submission of manuscripts is 31 October 2024.
Guest Editor: Jaeyoung Lee (GIST)

Conference Fee & On-line Registration

- Contributed Speakers: 250 EUR (360,000 KRW)
- Regular participants: 400 EUR (580,000 KRW)
- Student participants: 200 EUR (290,000 KRW)
- The registration fee includes the Book of Abstracts (pdf file), Small Winery Tour, Coffee Break, Poster Session F&B, Banquet and **Surprise Gift**.

1) Pre-registration Payment: Bank Transfer until 31 May 2024

Account owner: Universität Stuttgart

Bank: Baden-Württembergische Bank Stuttgart – BW-Bank

IBAN: DE51 6005 0101 7871 5216 87

SWIFT/BIC: SOLADEST600

Information to be provided/subject: Ertl-Symposium 2024 + name of participant

Fonds: 86032072

2) On-site Payment: in only CASH at the registration desk upon arrival.

3) Participants from Republic of Korea: Local payment on the web of KECS

Conference Venue

Esslingen University of Applied Sciences provides academic training and education in the fields of technology, economics and the social sciences.

Excellent teaching, combined with high practical relevance, has a high priority at Esslingen. The University of Applied Sciences is also strong on applied research and, thanks to its doctoral programs, is able to offer graduates an extended scientific career.

It is no wonder, then, that Esslingen is consistently to be found among the best universities of applied sciences in Germany in numerous national ranking tables.

At Esslingen University, around 6,300 students are enrolled on 31 Bachelor's and 14 Master's degree programmes.

Contact:

Christiane Rathmann, Esslingen University of Applied Sciences, Head of Communications,
tel.: +49 711 397-3008, E-mail: christiane.rathmann@hs-esslingen.de

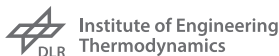


Program

Opening Address: 5 min | Award Lecture: 45 min | Contributed Speech: 30/20 min | Closing Remarks: 5 min

Time	26 June (Wed)	Time	27 June (Thu)	Time	28 June (Fri)
08:00-08:50	<i>Registration</i>	08:00-09:00	<i>Registration</i>	08:00-09:00	<i>Registration</i>
08:50-09:00	<i>Opening Address</i>				
09:00-09:30	Katharina Krischer	09:00-09:30	Marc Koper	09:00-09:30	Timo Jacob
09:30-09:50	Tobias Morawietz	09:30-09:50	HyungKuk Ju	09:30-09:50	Fabio Lima
09:50-10:20	Yujin Tong	09:50-10:20	Shen Ye	09:50-10:20	Olaf Magnussen
10:20-10:45	<i>Coffee Break</i>	10:20-10:45	<i>Coffee Break</i>	10:20-10:45	<i>Coffee Break</i>
10:45-11:15	Mehtap Özaslan	10:45-11:35	Boon Siang Yeo (Ertl Prize Ceremony)	10:45-11:35	Malte Behrens (Ertl Prize Ceremony)
11:15-11:35	Jin-Soo Park				
11:35-12:05	Suriya Venkatesan	11:35-12:05	Karl Mayrhofer	11:35-12:05	Fabio Dionigi
12:05-12:35	Elena Savinova	12:05-12:35	Ioannis Spanos	12:05-12:35	Sang Hoon Kim
12:35-14:00	<i>Lunch</i>	12:35-14:00	<i>Lunch</i>	12:35-14:00	Poster Prize Ceremony
					<i>Lunch</i>
14:00-14:30	Robert Franke	14:00-14:30	Zhifeng Ding	14:10-20:30	City Tour (Optional)
14:30-15:00	Hanno Käß	14:30-15:00	Dennis Kopljär		
15:00-15:30	Jinsub Choi	15:00-15:20	Ahyoun Lim		
15:30-16:00	Elias Klemm	15:20-15:40	Julia Müller-Hülstede		
16:00-16:20	André Dourado	15:40-16:10	Anthony Kucernak		
16:20-16:30	<i>Group Photo</i>	16:10-16:30	<i>Coffee Break</i>		
16:30-18:30	Group Photo & Winery Tour (Bus 16:30/17:00)	16:30-17:00	Marc Secanell		
		17:00-17:30	Ryan Richards		
		17:30-17:50	Werner Strunz		
		17:50-18:10	Michael Castro		
		18:10-18:30	Kiyoung Lee		
18:30-21:45	<i>Banquet</i> (Bus 21:00/22:00)	18:30-20:30	<i>Poster Session</i> w/ F&B		

Sponsors and Supporters



Accommodation

The Hotel

GINN Apartments

Hotel am Schelztor

The niu Timber

Hotel am Schillerpark

ECOINN

Hotel am Charlottenplatz

Martinstraße 23, 73728 Esslingen

Schelztorstraße 5 73728 Esslingen

Otto-Bayer-Straße 8-10, 73730 Esslingen

Neckarstraße 60, 73728 Esslingen

Kanalstraße 14-16, 73728 Esslingen

Plochingen Str.1, 73730 Esslingen

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

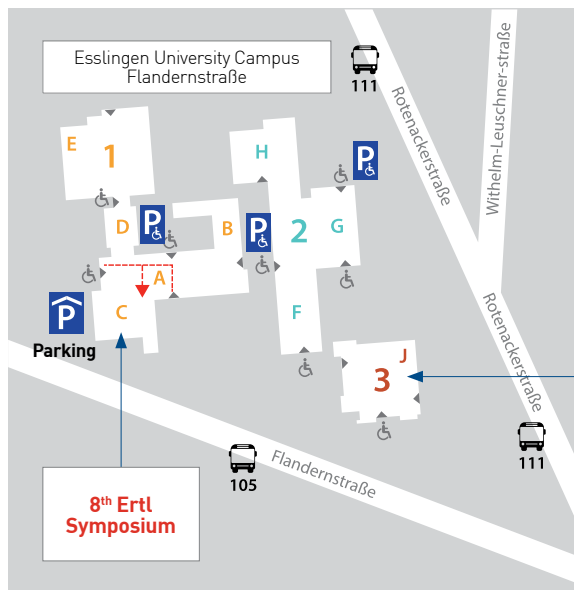
Reservations should be made individually. Other hotels (★★ to ★★★★★) near the venue are also available.

About Esslingen <https://www.britannica.com/place/Esslingen>

Esslingen, in full Esslingen am Neckar, city, Baden-Württemberg Land (state), southwestern Germany. It lies along the Neckar River, just southeast of Stuttgart. Mentioned in 777 as Cella and in 866 as Hetsilinga, it was chartered about 1219. It was a free imperial city from 1360 to 1802, when it passed to Württemberg, the rulers of which had often threatened it. The centre of a fertile wine-producing and fruit-growing district, the town also has machine and electrical-engineering works tied to the automobile and high-technology sectors of the greater Stuttgart region. Precision instruments and optics are also produced.



How to find us?



Address:

Flandernstraße 101, 73732
Esslingen am Neckar,
Germany

Parking:

~ 500 parking lots in garage
(2€/ day; open 24h)

Cafeteria

▲ Entrance Building

▲ 8th Ertl Symposium

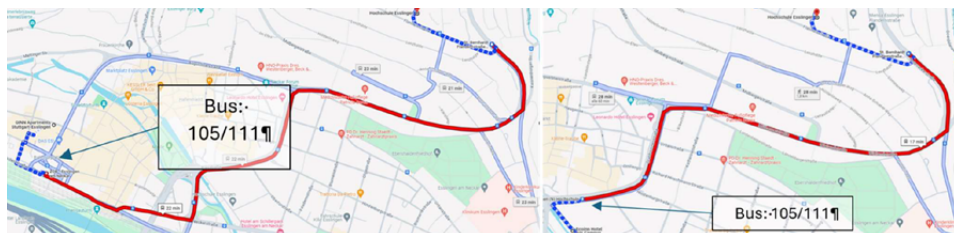
By car:

- From Munich A8 until exit Esslingen, follow signs "Esslingen"
- From Frankfurt: A5,A67,A6,A81 (one highway) exit Stuttgart city centre follow B10 to exit Esslingen city centre

By plane/train:

- Frankfurt: ICE to Stuttgart – S1, RE 5 or MEX 12/18 to Esslingen (1:30 h)
- Munich: S1 to Munich Hbf – Ulm or Stuttgart -RE/MEX to Esslingen (3 h)
- Stuttgart: Bus 122 to Esslingen ZOB (40 min) or S2 to Schwabstraße then S1

From hotels by bus/walking (Shuttle service will be provided):





26 June 2024

Banquet and start of winery tour: Weinsicht Teamwerk Esslingen

Adress: Lerchenbergstraße 16, 73733 Esslingen am Neckar

16:30/17:00 - Symposium Bus at the Venue

Walk for around 45 min from ECOInn hotel, 35 min from GINN hotel
S1 from Esslingen main station to Mettingen can be used (16 min + 8 min walk)



21:00/22:00 - Symposium Bus at the Restaurant