

留德华人化学化工学会第二十九届学术年会
29th CGCA[®] Annual Conference

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第二十九届留德华人化学化工学会学术年会

Program



2017

June 16-17
Bremen, Germany

Chinese-German Chemical Association (CGCA[®])
Gemeinschaft Chinesischer Chemiker und Chemieingenieure
in Deutschland e.V. (GCCCD, VR 17428, Cologne)



Organizer:

留德华人化学化工学会
Chinese-German Chemical Association
(CGCA[®])
Gemeinschaft Chinesischer Chemiker und
Chemieingenieure in Deutschland e.V.
(GCCCD, VR 17428, Cologne)



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中国驻德国大使馆教育处
Abteilung für Bildungswesen der Botschaft der Volksrepublik China
in der Bundesrepublik Deutschland

Co-organizers:

不来梅大学计算物质科学研究中心
The Bremen Center for Computational Materials Science (BCCMS),
University of Bremen

Special Thanks to Sponsors:



Welcome

It is our great pleasure to welcome you to the 29th Annual Conference of the Chinese-German Chemical Association (CGCA[®]). This year we are very proud to have the opportunity to host the conference in Bremen, the beautiful city on River Weser in Northern Germany.

CGCA[®] (VR 17428, Cologne), a non-profit Chinese academic organization of chemistry, chemical engineering and related fields, is composed of members who have experience of studying and working in Germany. The aim of the CGCA[®] Annual Conference is to bring together researchers, scientists and developers from universities, research institutes and industry in Germany and provide a forum for presenting and discussing recent developments in all fields related to Chemistry. This year, the theme of the 29th annual conference is “Innovative Chemistry”. Many scientific sessions with specific topics, a poster session, and a special session on the talent recruitment plans of some top Universities from China (for example, Beijing Institute Technology, Bohai University, and others) will be presented. In addition, the 2017 CGCA[®] Young Researchers Award and the Best Poster Award will be awarded.

We thank more than 90 scientists including Prof. Dr. Fei Ding (University of Hannover, Hannover), Prof. Dr. Lucio Colombi Ciacchi (University of Bremen), Prof. Dr. Zhenhua Wang (Beijing Institute of Technology), Prof. Dr. Kedi Cai (Bohai University), Dr. Igor Ying Zhang (Fritz Haber Institute, Berlin), Dr. Libo Ma (IFW Dresden), Dr. Feng Zhu (Chemnitz University of Technology), Dr. Changjiang Yao (University of Wurzburg), Dr. Peng Gao (Karlsruhe Institute of Technology, Karlsruhe), Dr. Mengmeng Li (TU Eindhoven), and Dr. Rongchao Pan (Friedrich-Alexander-Universität Erlangen-Nürnberg) who have accepted our invitation to attend the Annual Conference.

Special thanks go to the Education Department of the Chinese Embassy in Germany, The Bremen Center for Computational Materials Science (BCCMS), and all sponsors (Dongzhao Changtai Group Co. Ltd., Evonik Industries, Springer Publishing Company, Shanghai JINDUN Industrial Co., Ltd), as well as the steering committee and the local organizing committee without whom this annual conference would not have been possible.

We hope you enjoy the program that we have prepared. We wish you a fruitful and wonderful time at the 29th CGCA[®] Annual Conference and a pleasant stay in Bremen.

Organizing Committee

June, 2017

Organizing and Consulting Committee

Dr. Gang Wei (Chairman of Organizing Committee and Vice Chairman of CGCA[®],
University of Bremen, Bremen)

Dr. Yujin Tong (Chairman of CGCA[®], Fritz Haber Institute Berlin, Berlin)

Dr. Rongchao Pan (Executive Vice Chairman of CGCA[®], University of Erlangen-
Nuremberg, Nuremberg)

Dr. Xiaoyan Cao-Dolg (Treasurer of CGCA[®], University of Cologne, Cologne)

Dr. Chang Ding (Helmholtz Centre for Environmental Research-UFZ, Leipzig)

Ms. Xianying Han (Secretary of CGCA[®], Humboldt-University, Berlin)

Ms. Lin Song (University of Cologne, Cologne)

Mr. Mengbo Zhou (Friedrich-Schiller-University Jena, Jena)

Mr. Tian Xia (Leibniz Institute for Catalysis, Rostock)

Mr. You Zi (Friedrich-Schiller-University Jena, Jena)

Ms. Rui Xu (Rhein Tech (Beijing) Energy Efficiency Technology Co., Ltd)

Local Organizing Committee

Dr. Gang Wei (University of Bremen, Bremen)

Dr. Hua Li (University of Bremen, Bremen)

Dr. Qianqian Wang (University of Bremen, Bremen)

Mr. Yang Li (Chemnitz University of Technology, Chemnitz)

Ms. Jingfeng Li (University of Bremen, Bremen)

Dr. Xi Liu (University of Bremen, Bremen)

Conference Program

All talks and schedules are tentative and pending final confirmation.

FRIDAY, 16TH JUNE 2017

09:30-11:30 Registration

11:00-11:30 Lunch

11:30-11:50 Opening Remarks

Dr. Gang Wei (Chair of 29th CGCA[®] Annual Conference)

Mr. Qiang Fang (Minister Counselor, the Embassy of P. R. China in Germany)

11:50-13:50 Session 1: Physical Chemistry Methods for Materials Chair: Dr. Peng Gao

11:50-12:20 Invited-1. Prof. Dr. Fei Ding

Semiconductor based Quantum Light Sources

12:20-12:50 Invited-2. Prof. Dr. Lucio Colombi Ciacchi

Biomineralization, Biofunctionalization, Nanotoxicology: The good and the bad of materials biorecognition

12:50-13:05 Invited-3. Dr. Igor Ying Zhang

Towards Efficient Orbital-dependent Density Functionals for Weak and Strong Correlation

13:20-13:35 Oral-1. Rui Sang

Palladium-catalyzed Carbonylation of sec- and tert-Alcohols

13:35-13:50 Oral-2. Dr. Zhaoyong Zou

Mechanistic Insight into the Influence of Additives on the Phase Separation of Amorphous Calcium Carbonate from Solution

13:50-14:00 Group Photo

14:00-14:20 Poster session and coffee break

14:20-16:20 Session 2: Energy Materials and Biomaterials Chair: Dr. Igor Ying Zhang

14:20-14:50 Invited-4. Dr. Mengmeng Li

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Improving the Photovoltaic Performance of Diketopyrrolopyrrole Polymer Solar Cells with Efficiency Approaching 10%

14:50-15:20 Invited-5. Dr. Feng Zhu

Integrated Organic/Hybrid Nanoscale Devices

15:20-15:50 Invited-6. Dr. Changjiang Yao

Multistate Near-Infrared Electrochromism Based on Electropolymerized Films with Transition-Metal Complexes

15:50-16:05 Oral-3. Wenbo Zhang

An Insight into Solid-state Batteries, a Look upon the Future

16:05-16:20 Oral-4. Dr. Da Wang

Anti-biofilm Activity and Biomimetic Properties in vitro of Novel 4,5-Dialkylated Imidazolium NHC Salts

16:20-16:35 Oral-5. (To be determined)

(To be determined)

16:35-16:45 Coffee Break

16:45-17:45 Session 3: Introduction of CGCA
and Talent Plans of China Universities

Chair: Dr. Yujin Tong

16:45-17:05 Oral-6. Dr. Yanze Ren

Introduction of CGCA

17:05-17:25 Invited-7. Prof. Dr. Zhenhua Wang (Beijing Institute of Technology)

Talent Recruitment Plans in Beijing Institute of Technology

17:25-17:45 Invited-8. Prof. Dr. Kedi Cai (Bohai University)

Talent Recruitment Plans in Bohai University

17:45-19:15 CGCA Internal Meeting

20:00-23:00 Dinner in Restaurant "Crystal"

SATURDAY, 17TH JUNE 2017

09:00-11:00 Session 4: Novel Techniques

Chair: Dr. Feng Zhu

09:00-09:30 Invited-9. Dr. Libo Ma

Microtube Ring Cavities as a Platform for Opto-chemical Sensing

09:30-10:00 Invited-10. Dr. Peng Gao

Super-resolution STEDD Imaging for Biology

10:00-10:15 Oral-7. Xiaoyuan Zhang

Tracking the Diffusion Dynamics of Fibrinogen on Nanostructured Polybutene-1 Surfaces by MAPT

10:15-10:30 Oral-8. Zhixu Ni

LipidHunter Software for High-throughput Identification of Phospholipids from Data-dependent LC-MS/MS and Shotgun Lipidomics Datasets

10:30-10:45 Oral-9. Dr. Jiafei Mao

Membrane Protein Safari by DNP-Enhanced MAS SSNMR

10:45-11:00 Oral-10. Dr. Xi Liu

Defect Structure Analysis and the Physical Properties of Stabilised δ -Bi₂O₃

11:00-11:15 Oral-11. Teng Zhou

Computer Aided Molecular Design (CAMD): Integration of Molecular-level Decisions into Process Systems Design

11:15-11:30 Coffee Break

11:30-12:40 Session 5: Young Researchers Award

Chair: Dr. Gang Wei

11:30-11:40 Dr. Gang Wei (Chair of CGCA Young Researcher Award)

Introduction of 2017 CGCA Young Researchers Award

11:40-12:00 Talk by Award Recipient 1

12:00-12:20 Talk by Award Recipient 2

12:20-12:40 Talk by Award Recipient 3

12:40-12:55 Coffee Break

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<u>12:55-13:25</u>	<u>Awards and Closing Remarks</u>	Dr. Yujin Tong (Chair of CGCA)
12:55-13:05	Best Poster Award	
13:05-13:15	Young Researchers Award	
13:15-13:25	Closing Remark and Acknowledgement	
<u>13:25</u>	<u>Leaving</u>	

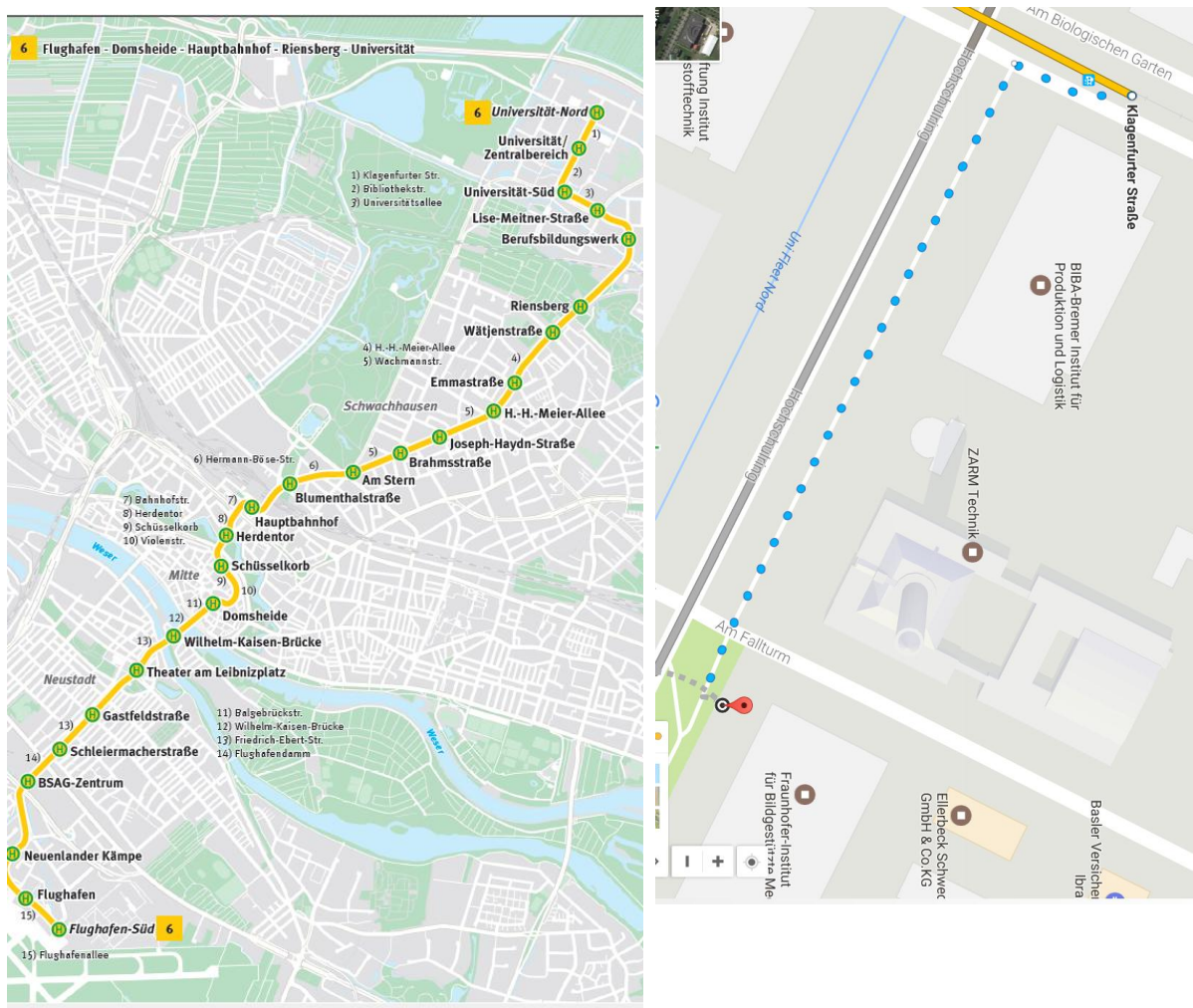
Location and travel

1. Location



2. Travel

- a) If you want to take the public transit from the Bremen Hauptbahnhof (HBF), you can just take Tram 6, which is in the front of the south square of HBF, to the last station (Universtät-Nord) along the direction of Universtät, and then you can arrive in the TAB building by walking towards the high tower direction about 200 meters.
- b) If you arrive in the Bremen Airport, you can also take Tram 6, to the last station (Universtät-Nord) along the direction of Universtät, and then you can arrive in the TAB building by walking towards the high tower direction about 200 meters.



Conference Dinner

Time and venue: 16th June 2017 starting from 8pm in Restaurant "Crystal"

Hans-Bredow Str. 9, 28307, Bremen

Price: ~ 11.5 euro per person (beverages not included)

Chinese buffet including salad and dessert will be served.

Reimbursement

a. Please mail all reimbursement documents to:

Dr. Xiaoyan Cao-Dolg
Institute for Theoretical Chemistry,
University of Cologne
Greinstr. 4 D-50939 Köln

b. Required documents for reimbursement:

1. Original receipts/invoices with signatures from reimbursement applicants and all accompanying persons. Online train tickets must have validation stamps from conductors. Receipts without a formal print-out invoice should have the signature from the vendor. In case of loss of original invoices, bank account transfer records should be provided.
2. Filled and signed forms for reimbursement. Please download the forms (travel and non-travel expenses) from www.cgca.de/download-EN.php. Please note that the name of reimbursement applicant must be identical to the name of the bank account holder in the reimbursement form and to the name that appears in the receipts/invoices submitted for reimbursement.

c. For enquiries please contact:

Dr. Xiaoyan Cao-Dolg (Treasurer of CGCA[®])
Email: x.cao@uni-koeln.de
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Program written by

Dr. Chang Ding

with input from

all members in CGCA[®] Committee

Cover photo by

Ms. Rui Xu

For more information about Annual Conference, please visit

<http://www.cgca.de/annual2017/>