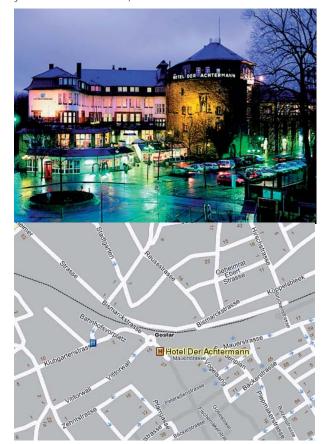
Venue & Accomodation

Conference venue and accommodation will be at: Hotel - DER ACHTERMANN (****) Rosentorstr. 20 D-38640 Goslar, Germany Phone: +49 5321 7000-0 Fax: +49 5321 7000-999 E-Mail: reservierung@der-achtermann.de (Please give the keyword "co2gas" and pay for your rooms in the hote!!)



Conference Secretariat Address

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Organizing Committee

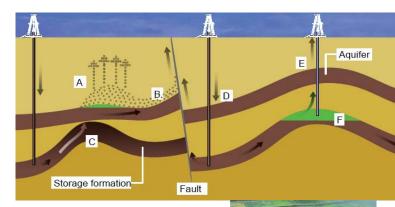
Chairman: Michael Z. Hou, TU Clausthal & EFZN (D) Secretariat: Mrs. Karin Peya, EFZN (D) Coordinator in China: Hongwei Zhou, CUMT in Beijng (CN) Coordinator in Germany: Patrick Were, EFZN (D) Leonhard Ganzer, TU Clausthal (D) Chunhe Yang, Institute of Rock & Soil Mechanics, CAS (CN)





3rd Sino-German Conference

Underground storage of CO_2 and energy



Organized by:

Clausthal University of Technology & EFZN (D), Sichuan University & Northeast Petroleum University (CN)



Third Announcement (March 2013) 21-22 May 2013 in Goslar, Germany

Invitation

 CO_2 emission in China increased from 2500 Mt in 1991 to 6200 Mt in 2008, thus making China the world's largest CO_2 emitting country, while Germany, with 800 Mt per year, the largest emitter in Europe.

Both countries are together responsible for approximately 23% of the total CO_2 global emission (20 and 3% for China and Germany, respectively). From a global point of view, CCS Technology in cooperation with China (68% primary energy consumption of carbon) could significantly contribute to environmental protection. Both countries plan to reduce CO_2 emissions in spite of the continuous growth. Germany wants to reduce its emission by 40% until 2020 and China's target is to reduce its carbon intensity by 40 to 45% till 2020 compared with the 2005 level.

Although to date China possesses only 6 natural gas storages in porous media with a working gas volume of 1.0 billion m³ in operation, it also owns 14 storages of natural gas in salt caverns with a working gas volume of approx. 380 million m³ belong to a subproject of the famous West-East Pipeline Project consisting of exploitation and leaching caverns in Jintan (located between Shanghai and Nanjin). China will catch up significantly with Germany's working gas volume within the next years. With regard to the third phase of the strategic oil reserves as well as the rapid rise of petroleum usage, China is compelled to construct much more storages of crude oil and natural gas than Germany in the foreseeable future.

Via a targeted cooperation in the above mentioned "Energy and Environmental" topics, a Sino-German Network of science & technology, public authorities and industry has been established by the support of both governments (China/Germany).

Thomas Hanschke, XIE Heping and Michael Z. Hou would like to invite the scientific community and the responsible authorities as well as the energy & environment industries to attend the Conference, which will be held on May 21-22, 2013 in Goslar, Germany. For more information please contact the Coordinators of the Organizing Committee:

Dr. Patrick Were

Energie Forschungszentrum Niedersachsen (EFZN) Am Stollen 19 A, 38640 Goslar, Germany Phone: +49-5321 3816 8115 E-Mail: co2gas@tu-clausthal.de Prof. Dr. Hongwei Zhou China University of Mining & Technology (Beijing) D11 Xueyuan Road, Beijing 100083, China Phone: +86-139 1058 5080, E-Mail: zhw@cumtb.edu.cn

Program

Tuesday May 21 PM – Wednesday May 22 AM: Scientific sessions

Tuesday May 21 AM: Visit of TU Clausthal and EFZN

Wednesday evening May 22: banquet

Main Topics

- 1. Integrated Energy and Environmental Utilization of Deep Underground Space: Safety, Risk Management, Policy & Law
- 2. Geological CO₂ Storage in Deep Saline Aquifer
- 3. CO₂ for Enhanced Gas and Oil Recovery, Coal Bedded Methane and Geothermal System (CO2-EGR / EOR / ECBM / EGS)
- 4. Trapping Mechanisms and Multi-Barrier Sealing Systems for Long-Term $\rm CO_2$ Storage
- 5. Natural Gas Supply and Storage with the High-Frequency Operation
- 6. Underground Storage of Renewable Energy (e.g. transferred in Hydrogen, Compressed Air or Pumped Water etc.)
- 7. Storage Caverns in Less Favorable Rock Salt Formations (e.g. Thin, Highly Impure, Interlayer etc.)
- 8. Rock Mechanical Behavior and Constitutive Models in Consideration of High Frequency Cycle Load, Dilatancy, Damage, Self-Sealing and Healing
- 9. Coupled THMC-Processes and Numerical Modeling
- 10. Field and Remote Monitoring

Founded by



Registration

Conference registration (May 21–22, 2013) 300 € (Including proceedings, special issue of Acta Geotechnica, coffee and beverages during coffee breaks, Wednesday lunch and evening banquet in the Kaiserpfalz.)

speaker

200€

Registration Form

Registration is possible by fax +49 5321 3816 8196 or mailto: co2gas@tu-clausthal.de.

Registration for	
Name, First Name	
Company	
Address	
Zip Code, City	
Country	
Phone / Fax	
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Payment

Payment of 300 EUR / 200 EUR is accompanied by your registration form and made only by wire transfer to TU Clausthal: Bank: Sparkasse Goslar/Harz Account holder: TU Clausthal Account number: 22 111 Bank code number: 268 500 01 IBAN: DE44268500010000022111 Swift/BIC Code: NOLADE21GSL

Please give keyword: "78010690, your Name and mention whether speaker or not"

Important Dates

Registration deadline April 25, 2013.

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