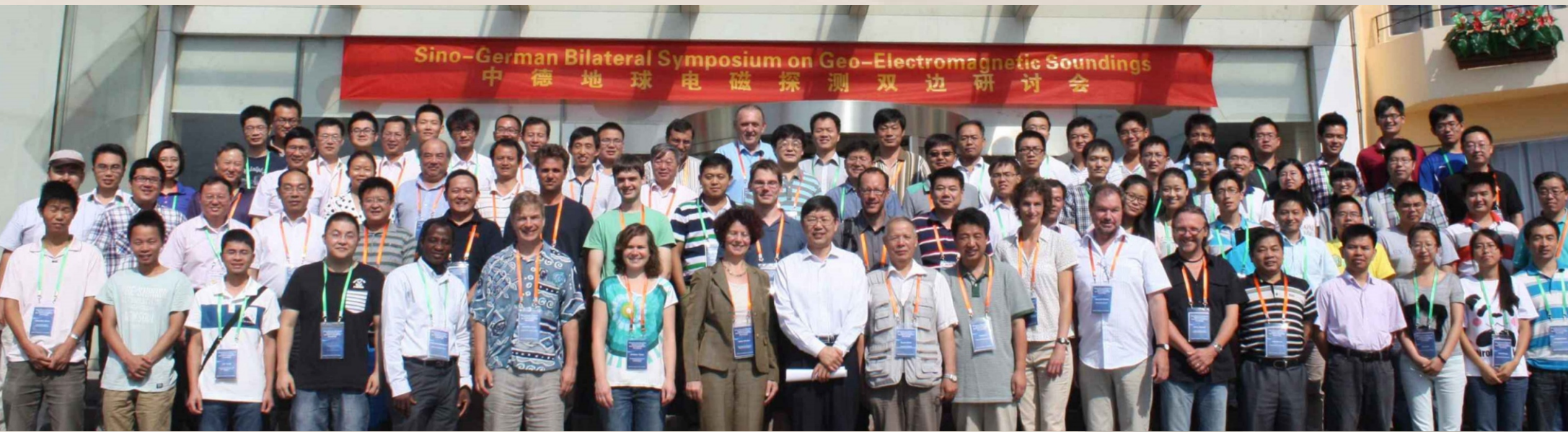


Second Sino-German Bilateral Symposium  
on Electromagnetic Geophysics

第二届中国德电磁地球物理学双边研讨会

October 22 - 27, 2017, Qingdao Meteorological Holiday Resort

2017.10.22-27, 青岛市崂山区东海东路87号, 青岛气象度假村



The Sino-German Symposium on Electromagnetic Geophysics (SGEM) was initialized by Prof. Dr. Yuguo Li of Ocean University of China and Prof. Dr. Klaus Spitzer of Technical University of Freiberg, Germany, which is sponsored by the Sino-German Center for Research Promotion(SGC).

The 1<sup>st</sup> SGEM symposium was held from August 30<sup>th</sup> to September 3<sup>rd</sup> 2013 in Qingdao, China. Around 40 well-known scientists in the field of Electromagnetic Geophysics from China and Germany, also from Czech Republic and United Kingdom, plus 50 young researchers/graduate students, attended the symposium.

The 2<sup>nd</sup> SGEM symposium will be held from October 22 to 27, 2017 in Qingdao,China. This event picks up from the very successful 1<sup>st</sup> symposium. To further broaden the international interest in the EM field, we welcome participants over the world to attend this symposium.

Program and Schedule (Oral Session)

Monday, 23 October 2017 星期一, 2017年10月23日		
9:00-9:40	Welcome and opening address	Session chair Prof. Dr. Yuguo Li
9:40-10:05	Klaus Spitzer: A 3D sequential Inversion approach for electric and electromagnetic methods	Session chair Prof. Xiangru Kong
10:05-10:30	Guoze Zhao: Detecting the earthquake anomaly using electromagnetic methods	
10:45-11:10	Andreas Junge: Anisotropy in MT - challenging 3D isotropic inversion	Session chair Prof. Dr. Klaus Spitzer
11:10-11:35	Wenbao Hu: Algorithm and implementation of 3D TDEM inversion	
11:35-12:00	Xuben Wang: Research on the deep resistivity structure and dynamics of eastern Qinghai-Tibet Plateau of China	Session chair Prof. Dr. Guoze Zhao
14:00-14:25	Zhijun Du: Improved resolution hydrocarbon mapping using Towed Streamer EM	
14:25-14:50	Zhan Liu: Joint inversion of various geophysical data and its application in oil and gas exploration	Session chair Prof. Dr. Andreas Junge
14:50-15:15	Jinsong Shen: Study on the joint inversion of marine CSEM and seismic data constrained by well logs	
15:15-15:40	Jianxin Liu: Seismic-guided regularized marine CSEM inversion	Session chair Prof. Dr. Andreas Junge
16:10-16:35	Ute Weckmann: Model creation and usage of constraints for 3D inversion of MT data with sparse and irregular station coverage	
16:35-17:00	Sheng Jin: A comparative study of the lithospheric electrical structure of the Circum-Tibatan Plateau orogenic belt.	
17:00-17:25	Xiangyun Hu: The lithospheric structure of Southeast China, inferred from magnetotelluric data	
17:25-17:50	Xin Wu: New progress in research and development of Helicopter-borne transient electromagnetic system in China	

Tuesday, 24 October 2017 星期二, 2017年10月24日		
8:30-8:55	Jin Chen: The magmatic source of the Tristan da Cunha hotspot: implication from electrical conductivity	Session chair Prof. Dr. Xuben Wang
8:55-9:20	Qinghua Huang: Numerical simulations of co-seismic electromagnetic signals	
9:20-9:45	Liangjun Yan: The trial of CSTEM monitoring of shale fracturing	
9:45-10:10	Jianxin Pei: Fast marine CSEM inversion in the CMP domain	Session chair Dr. Jin Chen
10:40-11:05	Xiaoping Wu: Parallel Monte Carlo method for advanced detection in tunnel incorporating anisotropic resistivity effect	
11:05-11:30	Shucaï Liu: Study on the ground-tunnel transient electromagnetic method	
11:30-11:55	Guoqiang Xue: Technology and application of near source TEM	Session chair Dr. Zhijun Du
14:00-14:25	Linjiang Qin: The influence of the gridding on MT responses of the 2D media with anisotropic conductivity structures	
14:25-14:50	Zhengyong Ren: Goal-oriend adpative finite element solver for global electromagnetic induction	
14:50-15:15	Jana Boerner: Complex electrical conductivity of rocks with a reactive rock matrix	
15:15-15:40	Bo Han: The impact of 3D conductivity anisotropy on magnetotelluric responses	Dr. Ute Weckmann
16:00-16:30	Poster Introduction 展板介绍	
16:30-17:15	Poster Presentation 展板展示	

Thursday, 26 October 2017 星期四, 2017年10月26日		
8:30-8:55	Heinrich Brasse: 3-D update of former Andean resistivity models and the inclusion of transient electromagnetics	Session chair Prof. Dr. Jingtian Tang
8:55-9:20	Qibin Xiao: Lateral rheology differences in lithosphere and dynamics revealed by magnetotelluric imaging at the northern Tibetan Plateau	
9:20-9:45	Xiaobin Chen: Electrical structure of Ordos Block Lithosphere and its dynamic implication	
9:45-10:10	Juzhi Deng: 3D EM inversion and the application to site screening of clays in northwest China as the host rocks for HLW disposal repository	Session chair Dr. Henrich Brasse
10:40-11:05	Bülent Tezkan: Interpretation of Controlled Source Radiomagnetolluric (CSRMT) data by multidimensional conductivity models	
11:05-11:30	Denghai Bai: A possible Patten of crustal flow beneath the eastern Tibetan Plateau Progress of EHS3D project	
11:30-11:55	Jingtian Tang: A space-time array magnetotelluric data processing method	Session chair Prof. Dr. Denghai Bai
14:00-14:25	Oliver Ritter: Modern concepts for controlled source EM on land	
14:25-14:50	Gaofeng Ye: Study of three dimentional lithospheric conductivity structure of Tibet and China Central Orogen - constrain of channel flow from 3D MT dataset	Session chair Prof. Dr. Denghai Bai
14:50-15:15	Changfu Yang: Numerical modeling of MT responses to the 2D Geoelectric model with anisotropic conductivity structures	
15:15-15:40	Changchun Yin: 3D MT anisotropic modeling with topography based on adaptive finite element method	Session chair Prof. Dr. Bülent Tezkan
16:10-16:35	Pritam Yogeshwar: Analyzing two-dimensional effects in central loop transient electro-magnetic sounding data using a semi-synthetic tipper approach	
16:35-17:00	Xueming Shi: Advance of nonlinear geophysics inversion methods	Prof. Dr. Bülent Tezkan
17:00-17:25	Yuguo Li: Advances on marine CSEM studies	



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