

GEM

C H E N G D U

2015



Society of Exploration Geophysicists
The international society of applied geophysics



GEM Chengdu 2015

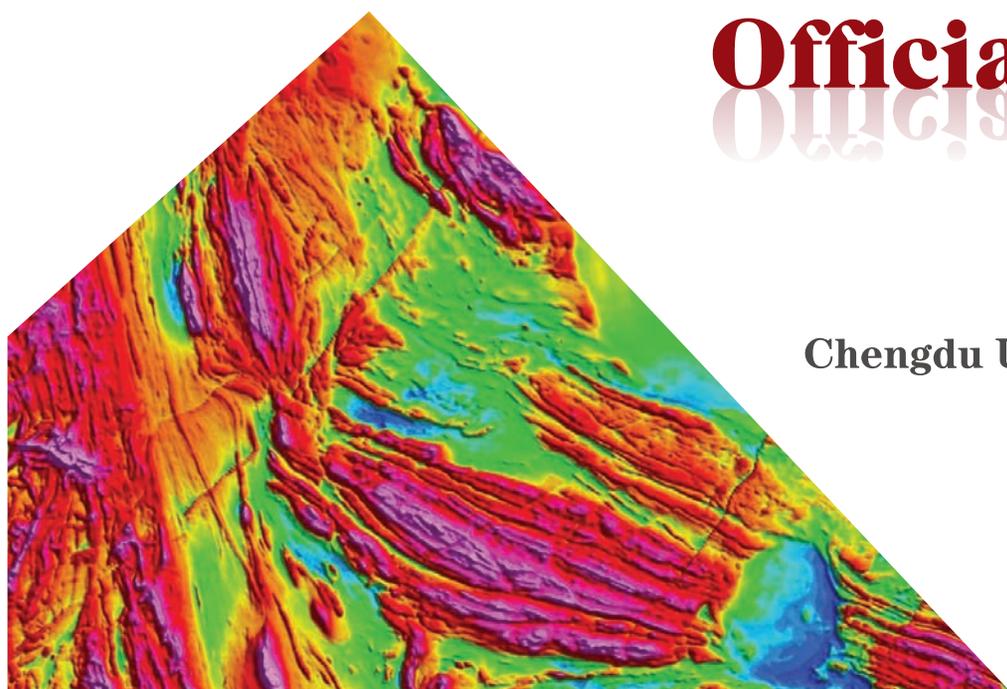
重磁电方法及应用国际研讨会

International Workshop on Gravity, Electrical & Magnetic Methods
and Their Applications

Official Program

Chengdu University of Technology
Chengdu, China

19–22 April 2015



Welcome to GEM Chengdu 2015

On behalf of the Organizing Committee, we would like to welcome you to Chengdu and “GEM Chengdu 2015”, an International Workshop on Gravity, Electrical & Magnetic Methods and Their Applications, co-organized by the Society of Exploration Geophysicists (SEG) and the Chinese Geophysical Society (CGS).

Four years ago, GEM Beijing 2011 successfully brought us together with high-quality presentations and great exchange of ideas. That success and the ensuing popular support have prompted SEG and CGS to organize a similar workshop again. The goal of GEM Chengdu 2015 is again to bring together experts from academia, government agencies, resources companies, and contractors to share the latest technological and methodological developments and successful experiences, and to discuss challenges and future directions and needs. Gravity, electrical, electromagnetic, magnetic, and nuclear magnetic resonance methods are among the primary tools for exploring natural resources (oil and gas, minerals, geothermal energy) as well as for tackling geotechnical and environmental problems. Sensors, tools, acquisition techniques, processing and interpretation methods are common among these different applications. This Workshop covers the technologies and methodologies, brings a suite of applications to a common forum, so that we can enjoy and learn from related applications of the same technologies.

The number of papers submitted to GEM Chengdu 2015 greatly exceeded our expectation. We have received 188 submissions, compared to 117 for GEM Beijing 2011. Unfortunately, we were able to accept only 72% of them, as there is not enough room in the technical program to accommodate all submitted papers in a three-day Workshop. GEM Chengdu 2015 truly appreciates every author’s interest and effort in preparing and submitting abstracts. We are also grateful for the Technical Committee members and other experts who reviewed and edited abstracts. Their unselfish and diligent work has significantly improved many abstracts.

We are glad to see that this Workshop has attracted so many participants from different countries. We trust that the Workshop will provide networking opportunities for geophysicists from China and the world.

April is a beautiful and pleasant month of the year in Chengdu, a city that has a history of over 2,000 years and yet is modern and rapidly developing. While you are here, we encourage you to take the opportunity to explore the natural beauty such as giant pandas and many natural sceneries, the traditional culture such as Sichuan opera, and the delicious Sichuan cuisine.

Thank you for participating in and supporting GEM Chengdu 2015. We wish you a successful Workshop and enjoyable stay!



Xiong Li
General Co-Chair of GEM Chengdu 2015



Yaoguo Li
General Co-Chair of GEM Chengdu 2015

GEM Chengdu 2015

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Society of Exploration Geophysicists
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VENUE LOCATION MAP

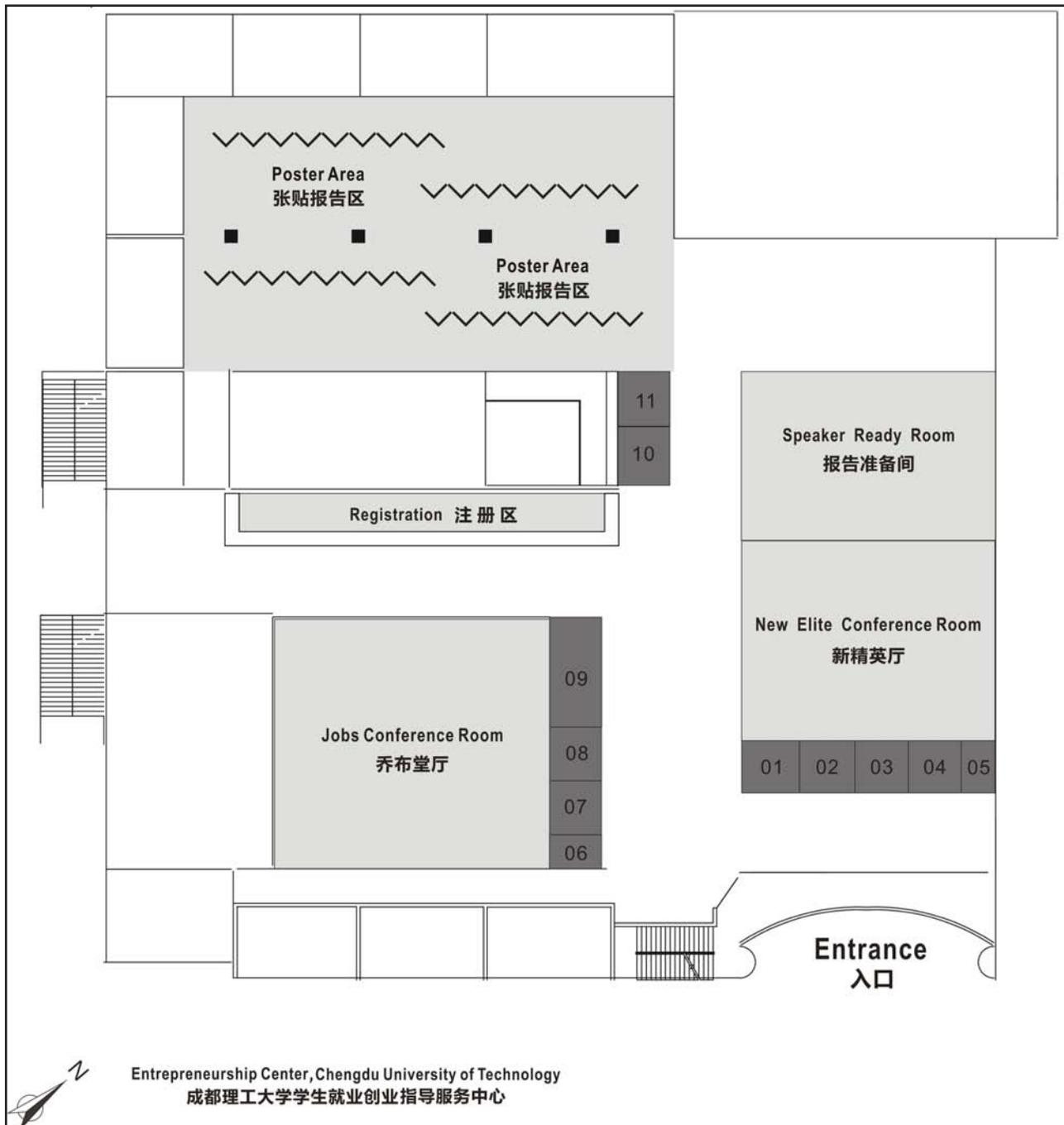
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Chengdu University of Technology address:

No.1 Erxian Qiao, Dongsan Road, Chengdu, Sichuan, 610059, China
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MEETING VENUE FLOOR MAP



WORKSHOP SCHEDULE

Sunday, 19 April	
09:00 - 19:00	Registration <i>Location: Lobby, Chengdu Eastar Hotel</i>
16:30 - 17:30	Meeting of Technical Session Chairs <i>Location: Jobs Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>
17:30 - 19:00	Icebreaker <i>Location: Lobby, Entrepreneurship Center, Chengdu University of Technology</i>

Monday, 20 April			
08:00 - 16:00	Registration <i>Location: Lobby, Entrepreneurship Center, Chengdu University of Technology</i>		
08:30 - 10:05	Opening Ceremony and Plenary Session <i>Chairs: Xiong Li, Yaoguo Li, and Xuben Wang</i> <i>Location: New Elite Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>		
08:30 - 09:00	Welcome addresses		
09:00 - 10:00	SEG Honorary Lecture: Joint inversion of multiphysics data for petrophysical and engineering properties. <i>Aria Abubakar</i>		
10:00 - 10:05	Interactive activity announcement		
10:05	Exhibition Opens		
10:05 - 10:30	Workshop Photo and Morning Tea		
10:30 - 12:10	<table border="0"> <tr> <td style="vertical-align: top;"> Session A: Airborne Gravity and Magnetics <i>Chairs: Mark Dransfield and Shengqing Xiong</i> <i>Location: New Elite Conference Room, Entrepreneurship Center, Chengdu University of Technology</i> </td> <td style="vertical-align: top;"> Session B: Induced Polarization and Nuclear Magnetic Resonance Methods <i>Chairs: Valeriya Hallbauer-Zadorozhnaya and Gang Yu</i> <i>Location: Jobs Conference Room, Entrepreneurship Center, Chengdu University of Technology</i> </td> </tr> </table>	Session A: Airborne Gravity and Magnetics <i>Chairs: Mark Dransfield and Shengqing Xiong</i> <i>Location: New Elite Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>	Session B: Induced Polarization and Nuclear Magnetic Resonance Methods <i>Chairs: Valeriya Hallbauer-Zadorozhnaya and Gang Yu</i> <i>Location: Jobs Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>
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Monday, 20 April		
11:10 - 11:30	Accuracy of SGL's AIRGrav airborne gravity system from the Kauring test site and results from a regional hydrocarbon exploration survey. <i>Stephan Sander, Stefan H. P. Elieff, and Luise Sander</i>	Nonlinear effects of membrane polarization by constrictivity of pores on DC and TEM geoelectromagnetic measurements. <i>V. Hallbauer-Zadorozhnaya, G. Santarato, N. Abu Zeid, and S. Bignardi</i>
11:30 - 11:50	Reconciling high resolution airborne gravity gradiometry surveys with 3D mine geology models: Sensitivity testing and new approaches ready for greenfields exploration. <i>D. J. FitzGerald, Helen Gibson, and Matt Zengerer</i>	Imaging shallow water bearing structures using three dimensional magnetic resonance tomography with separated loops. <i>Chuangdong Jiang, Mike Müller-Petke, Jun Lin, and Ugur Yaramanci</i>
11:50 - 12:10	Large-scale 3D inversion of Bathurst Mining Camp gravity gradiometry data. <i>Le Wan, Martin Cuma, and Michael S. Zhdanov</i>	A new fast interpretation method for NMR pre-detection of water content in tunnels. <i>Wentao Liu, Wei Zhao, Xiu Li, and Zhipeng Qi</i>
12:10 - 13:30	Lunch	
13:30 - 14:50	Poster Session PA: Gravity and Magnetics - Methodologies and Technologies <i>Chairs: Jörg Ebbing and Changli Yao</i>	Poster Session PB: Electromagnetic Modeling <i>Chairs: Yuguo Li and Binzhong Zhou</i>
13:30 - 14:00	Poster Presentation <i>Location: New Elite Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>	Poster Presentation <i>Location: Jobs Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>
14:00 - 14:50	Poster Display <i>Location: Poster Area, Entrepreneurship Center, Chengdu University of Technology</i>	Poster Display <i>Location: Poster Area, Entrepreneurship Center, Chengdu University of Technology</i>
	3D gravity inversion based on sparse recovery. <i>Zhaohai Meng</i>	Research of geomagnetic gradient sounding forward modeling and inversion. <i>Zhaobin Zhang, Gang Zhang, Jiangwei Bian, and Yucong Xu</i>
	Computation of the vector gravity field due to 3D bodies by the finite element method. <i>Fuyu Jiang, Leilei Xie, Wenkai Chang, and Likun Gao</i>	Multi-transient electromagnetic (MTEM) response modeling using finite difference time domain method. <i>Olalekan Fayemi and Qingyun Di</i>
	Modelling of geologic bodies with gravity anomalies based on the fast multipole algorithm. <i>Jun Wang, Xiao-hong Meng, and Fang Li</i>	Finite-difference 3D controlled-source electromagnetic modeling at the rugged seafloor. <i>Chao Ma, Jinsong Shen, Yan Gao, and Shuaishuai Wei</i>
	Joint magnetization vector inversion of surface and borehole magnetic data. <i>Yang Ou and Jie Feng</i>	Numerical simulation analysis of surface-to-borehole TEM based on the finite difference method. <i>Jianlei Guo, Youqiang Zeng, and Xiu Li</i>
	3D data-space inversion of magnetic amplitude data. <i>Zelin Li, Changli Yao, Yuanman Zheng, and Xiaohong Meng</i>	Study on 3D forward modeling for CSELF with staggered-grid finite difference method. <i>Meng Cao, Handong Tan, and Changhong Lin</i>

Monday, 20 April		
	Study on aeromagnetic full tensor compensation. <i>Yun Zou, Xiaohong Meng, Lianghui Guo, Xingdong Zhang, and Chunxiao Xiu</i>	3D pseudo-spectral method for TEM modeling in whole-space. <i>Xiao Liu and Handong Tan</i>
	An efficient cross-gradient joint inversion algorithm of gravity and magnetic data with depth weighting and bound constraints. <i>Junjie Zhou, Xiaohong Meng, and Lianghui Guo</i>	3-D simulation of marine CSEM using unstructured FEM meshes. <i>Mingxin Yue, Yong Li, and Xiaoping Wu</i>
	Joint inversion of gravity data and seismic transmission-reflection traveltime. <i>Yizhou Chen, Peng Yu, and Chongjin Zhao</i>	Quadratic finite element for 2-D MT forward modeling using unstructured grids. <i>Zhixuan Li and Xiaoping Wu</i>
	Magnetic inversion of adaptive regularized parameter selection. <i>Chongjin Zhao, Peng Yu, Haohao Lan, and Yang Xiang</i>	Secondary field-based three-dimensional magnetotelluric forward modelling with absorbing boundary conditions. <i>Shuai Xue, Denghai Bai, and Yongli Yan</i>
	Error analysis of calculation of total field anomaly due to highly magnetic bodies. <i>Xiaoyu Yuan, Changli Yao, and Yuanman Zheng</i>	Adaptive finite element modelling of direct current resistivity in 2-D generally anisotropic structures. <i>Bo Yan, Yuguo Li, and Ying Liu</i>
	Comparative study on the magnetization direction estimations by magnetic gradient correlation and moment analysis methods. <i>Baihong Wen, Hui Yang, and Kang Liu</i>	
14:50 - 15:00	Break	
15:00 - 16:00	Session C: Electromagnetic Instrumentation <i>Chairs: Kurt Strack and Jingtian Tang</i> <i>Location: New Elite Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>	Session D: Gravity and Magnetic Processing and Interpretation <i>Chairs: Ed Biegert and Xiaohong Meng</i> <i>Location: Jobs Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>
15:00 - 15:20	Bringing electromagnetics and seismics closer with array electromagnetics: from the borehole to land and marine E&P. <i>Kurt Strack, S. Davydycheva, T. Hanstein, and Zhiyong Jiang</i>	Progress in time-lapse microgravity monitoring technique and application. <i>Yunxiang Liu and Wenju Zhao</i>
15:20 - 15:40	Initial parameters of voltage stabilized clamping control for TEM transmitting system. <i>Shilong Wang, Yu Yang, Xueyan Hu, and Jun Lin</i>	Regional-residual separation of gravity anomalies using geostatistical approaches. <i>Michel Chouteau, Pejman Shamsipour, and Denis Marcotte</i>
15:40 - 16:00	CEMT: Development and application of a new generation magnetotelluric system in China. <i>Geming Zeng, Xiangyun Hu, Yong Liu, and Yubing Fan</i>	Calculation of gravity terrain and isostatic effects and gravity anomalies in Antarctica and its surrounding areas. <i>Jinyao Gao, Chunguo Yang, Tao Zhang, Zhaocai Wu, Zhongyan Shen, and Wei Wang</i>
16:00 - 16:10	Afternoon Tea	

Monday, 20 April		
16:10 - 17:10	Session E: Borehole Electromagnetics <i>Chairs: Kurt Strack and Jingtian Tang</i> <i>Location: New Elite Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>	Session F: Gravity and Magnetic Processing and Interpretation <i>Chairs: Ed Biegert and Xiaohong Meng</i> <i>Location: Jobs Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>
16:10 - 16:30	Conductively guided borehole radar wave and its potential applications. <i>Binzhong Zhou and Matthew van de Werken</i>	The use of gravity gradients and invariants for geophysical modelling - Example from airborne and satellite data. <i>Jörg Ebbing, Wolfgang Szwillus, Johannes Bouman, and Jon Are Skaar</i>
16:30 - 16:50	A fast layered finite element method for simulations of borehole resistivity measurements. <i>Jiefu Chen</i>	Application of amplitude inversion in identification of igneous rocks in a superimposed basin. <i>Shuling Li, Yaoguo Li, and Xiaohong Meng</i>
16:50 - 17:10	A calibration scheme based on variable projection in electromagnetic data inversion. <i>Maokun Li, Fuqiang Gao, Aria Abubakar, and Tarek M. Habashy</i>	Curvature of gravity and magnetic anomalies and curvature of their source bodies. <i>Xiong Li</i>

Tuesday, 21 April		
08:00 - 16:00	Registration <i>Location: Lobby, Entrepreneurship Center, Chengdu University of Technology</i>	
08:30 - 10:20	Plenary Session <i>Chairs: Xiong Li and Yaoguo Li</i> <i>Location: New Elite Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>	
08:30 - 09:05	Keynote address: Advanced airborne and ground geophysical technology for mineral exploration. <i>Perry A. Eaton</i>	
09:05 - 09:40	Keynote address: Understanding world-class mineral systems and exploring for mineral deposits at depth using multi-scale and integrated geophysical data: A synthesis from SinoProbe. <i>Qingtian Lü, Danian Shi, Zhendong Liu, Jiayong Yan, Jingtian Tang, and Guoming Jiang</i>	
09:40 - 10:15	Keynote address: Inversion of time domain IP data from inductive sources. <i>Douglas W. Oldenburg, Seogi Kang, and David Marchant</i>	
10:15 - 10:20	Interactive activity announcement	
10:20 - 10:30	Morning Tea	

Tuesday, 21 April		
10:30 - 12:10	Session G: Gravity and Magnetism for Mining and Geothermal Applications <i>Chairs: Perry Eaton and Xiangyun Hu</i> <i>Location: New Elite Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>	Session H: Electromagnetics for Petroleum Applications <i>Chairs: Zhanxiang He and Klaus Spitzer</i> <i>Location: Jobs Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>
10:30 - 10:50	Geothermal structure revealed by Curie isotherm surface in Guangdong province. <i>Yufei Xi, Yanxin Wang, Xiangyun Hu, Shuang Liu, Yabo Zhao, and Tianyou Liu</i>	The application of MT technique in geologically complex areas. <i>Weibin Sun, Yongsheng Zhang, and Xiaofang Xu</i>
10:50 - 11:10	Curie depth and inversion of aero-magnetic data with implications for Hazards on Pagan Island, Commonwealth of the Northern Mariana Islands. <i>Trevor Irons, Jared Abraham, Theodore Asch, Rachel Woolf, and Leon Foks</i>	TFEM for oil detection: Case studies. <i>Haiying Liu, Zhanxiang He, and Gelan Wu</i>
11:10 - 11:30	Theta-depth method for the interpretation of magnetic anomaly. <i>Guoqing Ma, Lili Li, Ping Yu, and Danian Huang</i>	A feasibility study of hydrocarbon detection in carbonate reservoir using electromagnetic sounding. <i>Yan Gao, Jinsong Shen, and Zhanxiang He</i>
11:30 - 11:50	Quantitative geophysical interpretation of gravity gradient and magnetic data over a buried carbonatite: The Elk Creek deposit, Nebraska, USA. <i>M. Andy Kass, Benjamin J. Drenth, Leon Foks, and Joseph Capriotti</i>	Advanced 3D imaging of the off-shore hydrocarbon reservoirs from the towed streamer EM data. <i>Michael S. Zhdanov, Masashi Endo, and Johan Mattsson</i>
11:50 - 12:10	Three-dimensional interpretation of geophysical data and geological implications. <i>Li zhen Cheng, Bahman Abbassi, and Pierre Boszczuk</i>	A multi-method virtual electromagnetic experiment for optimizing the survey design: A fictitious CO2 sequestration scenario in Northern Germany. <i>Jana H. Börner, Feiyan Wang, Julia Weißflog, Matthias Bär, Ines Görz, and Klaus Spitzer</i>
12:10 - 13:30	Lunch	
13:30 - 14:50	Poster Session PC: Gravity and Magnetism - Applications <i>Chairs: Des FitzGerald and Baihong Wen</i>	Poster Session PD: Electromagnetics - Petroleum and Mining Applications <i>Chairs: Li Zhen Cheng and Wenbao Hu</i>
13:30 - 14:00	Poster Presentation <i>Location: New Elite Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>	Poster Presentation <i>Location: Jobs Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>

Tuesday, 21 April		
	Poster Display <i>Location: Poster Area, Entrepreneurship Center, Chengdu University of Technology</i>	Poster Display <i>Location: Poster Area, Entrepreneurship Center, Chengdu University of Technology</i>
14:00 - 14:50		
	Evaluating the wavenumber domain magnetic RTP-L methods from the RTP A-E equation. <i>Yupu Chai</i>	A 3D magnetotelluric inversion system with a theoretical assessment in oil and gas exploration. <i>Kun Zhang and Jiayong Yan</i>
	UAV-borne magnetic survey in Duobaoshan exploration area, Heilongjiang, China. <i>Fei Li, Junfeng Li, Zhiqiang Cui, and Zhili Xu</i>	Borehole-to-surface TFEM technique applications in geologically complex areas. <i>Zhanxiang He, Gang Yu, Guo Zhao, and Tiezhi He</i>
	Improved processing of magnetic anomalies and its application to mineral exploration. <i>Henglei Zhang, Qiaoli Zhou, and Xiangyun Hu</i>	A TEM device for polymetallic sulfides on mid-ocean-ridge seafloor. <i>Wei Xiong, Chunhui Tao, Yixian Xu, Zhenzhu Xi, and Xianming Deng</i>
	Interpretation of magnetic UXO data using a combined analytic signal and Euler method. <i>Guochao Wu, Chong Zhang, and Yuan Yuan</i>	Induced polarization study based on marine rich organic shale in Southern China. <i>Pengfei Li, Liangjun Yan, Gang Yu, Xuejun Liu, and Zhigang Wang</i>
	Moho structure of the South China Sea basin and the surrounding from constrained 3-D gravity inversion. <i>Zhaocai Wu and Jinyao Gao</i>	Application prospects of VTEM helicopter time-domain electromagnetics in China. <i>Yan Luo, Lin Zhu, Zhao Zhao, Zihao Han, Shaolin Lu, and Jean M. Legault</i>
	A preliminary study of magnetic characterization and ore-prospecting significances of intersection-type uranium deposit in Xiazhuang field. <i>Kunpeng Ge, Qingsong Liu, Juzhi Deng, Yang Wang, and Shuzhe Yang</i>	Applications of time-frequency electromagnetic sounding technology. <i>Buqing Shi, Yuyu Meng, Zhangxiang He, Jingcheng Qin, Weibing Dong, and Xuefeng Ran</i>
	High-resolution aeromagnetic investigation for volcanic and seismo-tectonic characterization of the upper crust: Examples from Mt. Etna and Calabria (Italy). <i>F. D'Ajello Caracciolo, I. Nicolosi, R. Carluccio, S. Chiappini, L. Minelli, A. Vecchio, F. Speranza, and M. Chiappini</i>	Multi-disciplinary prospection approach for geothermal resources in Kangding, China. <i>Hong Li, Pengfei Xiao, Jianbao Yu, and Hui Lv</i>
	Novel approach to joint 3D inversion of potential field data using Gramian constraints. <i>Michael S. Zhdanov, Yue Zhu, Masashi Endo, and Yuri Kinakin</i>	3D DC resistivity exploration test on riftzone alteration rock type gold deposit. <i>Jiayong Yan, Yawei Zhang, Kun Zhang, Qingtian Lü, Lusen Shao, Yongqian Zhang, and Zhengdong Liu</i>

Tuesday, 21 April		
	Composition model of the deep crust beneath the Middle and Lower Reaches of the Yangtze River Metallogenic Belt in China, based on seismic velocity, gravity and heat flow data. <i>Yongqian Zhang, Qingtian Lü, Jiayong Yan, and Jinhua Zhao</i>	An audio-magnetotelluric investigation of Lujiang-Zongyang volcanic basin, China. <i>Jingtian Tang, Cong Zhou, Xianying Wang, Xiao Xiao, and Zhengyong Ren</i>
	Crustal and upper mantle structure of the Northeastern Tibetan Plateau imaged from EGM2008. <i>Benteng Bi, Xiangyun Hu, Liqing Li, Yingjie Peng, and Xihan Li</i>	Large-scale 3D inversion of airborne electromagnetic data based on the hybrid IE-FE method and the moving sensitivity domain approach. <i>Michael S. Zhdanov, Leif H. Cox, and Masashi Endo</i>
	Investigate structural characteristics using 3D GME Data: An example from Qaidam Basin. <i>Dechun Li, Chaifu Wang, Hongqiang Zhang, Yabo Wang, Zhi Zhao, and Haiying Liu</i>	Application of LOWTEM in detecting remaining oil. <i>Lei Zhou, Liangjun Yan, Xingbing Xie, and Xiaowei Dai</i>
14:50 - 15:00	Break	
15:00 - 16:00	Session I: Electromagnetics and IP for Mining Applications <i>Chairs: Jean Legault and Changchun Yin</i> <i>Location: New Elite Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>	Session J: Gravity and Magnetic Inversion <i>Chairs: Michel Chouteau and Dalian Huang</i> <i>Location: Jobs Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>
15:00 - 15:20	Passive airborne EM and magnetics over SEDEX lead-zinc deposits at Howard's Pass, Yukon. <i>Jean M. Legault, Shengkai Zhao, Ali Latrous, Nasreddine Bourmas, Geoffrey Plastow, and Gabe Xue</i>	3D regularized focusing inversion of gravity data with a new stabilizing functional. <i>Siyuan Sun, Changchun Yin, Yunhe Liu, and Jing Cai</i>
15:20 - 15:40	Podiform chromite exploration using audio magnetotelluric at Luobusa Ophiolite in Southern Tibet. <i>Lanfang He, Xiumian Hu, Xuefeng Zhao, Rujun Chen, and Duoqi</i>	Joint inversion of gravity and gravity gradient data using a binary formulation. <i>Joseph Capriotti, Yaoguo Li, and Richard Krahenbuhl</i>
15:40 - 16:00	Evolution of IP survey technology in China over the past decade. <i>Dennis Woods and Glenn Chubak</i>	Hybrid strategies for modelling gravity gradient data. <i>R. Ellis, G. Conrad, T. Popowski, and G. Pouliquen</i>
16:00 - 16:10	Afternoon Tea	

Tuesday, 21 April		
16:10 - 17:10	Session K: Electromagnetic Modeling and Processing <i>Chairs: Jean Legault and Changchun Yin</i> <i>Location: New Elite Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>	Session L: Gravity and Magnetic Inversion <i>Chairs: Michel Chouteau and Danian Huang</i> <i>Location: Jobs Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>
16:10 - 16:30	Joint conductivity-depth imaging for fixed-wing electromagnetic data Bx and Bz. <i>Kaiguang Zhu, Bingbing Li, Qi Wang, and Yuqi Cheng</i>	3D magnetic inversion of 3D magnetic dataset of the Canadian Malartic mine. <i>Michel Chouteau and Pejman Shamsipour</i>
16:30 - 16:50	ATEM imaging resolution based on synthetic-aperture technology. <i>Yue Zhao, Yipeng Wang, and Xiu Li</i>	A 3D space-domain approach for magnetic basement depth inversion in the presence of remanent magnetization. <i>Lianghui Guo and Xiaohong Meng</i>
16:50 - 17:10		Towards geology differentiation using magnetization inversions. <i>Yaoguo Li and Jiajia Sun</i>
19:00 - 20:30	An Informal Discussion on Publishing in International Journals-for Geophysicists in China, <i>Chris Liner</i>	

Wednesday, 22 April	
08:00 - 12:00	Registration Location <i>Location: Lobby, Entrepreneurship Center, Chengdu University of Technology</i>
08:30 - 09:50	Plenary Session <i>Chairs: Xiong Li and Yaoguo Li</i> <i>Location: New Elite Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>
08:30 - 09:05	Keynote address: Successful applications of airborne gravity gradiometry. <i>Mark Dransfield</i>
09:05 - 09:40	Keynote address: Drilling risk assessment through joint EM and seismic data integrated interpretation. <i>Zhanxiang He, Gang Yu, Haicong Chen, Zhigang Wang, Jinchun Qin, and Yuyu Meng.</i>
09:40 - 09:50	Interactive activity announcement and break

Wednesday, 22 April		
09:50 - 10:50	Session M: Gravity and Magnetism for Regional Investigation Chairs: <i>Qingtian Lü and Victoria Tschirhart</i> Location: <i>New Elite Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>	Session N: Electromagnetic Modeling Chairs: <i>Doug Oldenburg and Xiaoping Wu</i> Location: <i>Jobs Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>
09:50 - 10:10	3-D magnetic modeling of the Ionian Sea deep-sea crust considering remanence directions from plates' paleopoles: Evidence for the oldest in-situ ocean fragment of the world. <i>Fabio Speranza, Liliana Minelli, and Massimo Chiappini</i>	Forward modeling and analyzing for frequency domain semi-airborne EM method. <i>Lili Kang, Lichao Liu, Changsheng Liu, Fengdao Zhou, and Zhihui Shi</i>
10:10 - 10:30	Lithologic mapping test for gravity and magnetic anomalies: A case study of gravity-magnetic anomaly profile in the eastern segment of the China-Mongolia border. <i>Jian Wang, Xiaohong Meng, Zhaoxi Chen, Jun Wang, Sheng Zhang, and Wanqiu Zheng</i>	Finite element method for modeling 3-D resistivity sounding on anisotropic geoelectrical media with singularity removal. <i>Tao Song, Yun Liu, and Yun Wang</i>
10:30 - 10:50	New insights from magnetic data on the regional structure and geometry of the southwest Thelon Basin, Northwest Territories, Canada. <i>Victoria Tschirhart and Sally Pehrsson</i>	Full time-domain conversion algorithm from diffusion field to fictitious wavefield for transient electromagnetic method. <i>Zhipeng Qi, Xiu Li, Qingquan Zhi, and Naiquan Sun</i>
10:50 -11:00	Morning Tea	
11:00 - 12:00	Session O: Integration and Joint Inversion Chairs: <i>Qingtian Lü and Victoria Tschirhart</i> Location: <i>New Elite Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>	Session Q: Electromagnetic Modeling Chairs: <i>Doug Oldenburg and Xiaoping Wu</i> Location: <i>Jobs Conference Room, Entrepreneurship Center, Chengdu University of Technology</i>
11:00 - 11:20	Crustal setting of the Apennines from joint inversion of seismic tomography and magnetic anomaly data: Evidence from L'Aquila fault zone (Italy). <i>Liliana Minelli and Fabio Speranza</i>	GPU-based acceleration in modeling 3D time domain electromagnetic problems. <i>Huaifeng Sun, Kai Li, Xiu Li, Xushan Lu, and Zhipeng Qi</i>
11:20 - 11:40	The application of magnetism and TEM in seismic survey in volcanics-covered area. <i>Zhanjun Yang, Wenbo Jiang, Wenyan Feng, and Dong Lei</i>	Three-dimensional controlled-source EM modeling with an energized well casing by finite element. <i>Wenwu Tang, Yaoguo Li, Andrei Swidinsky, and Jianxin Liu</i>
11:40 - 12:00	3D joint inversion of seismic traveltime and gravity data: A case study. <i>Dengguo Zhou, Daniel R. H. O'Connell, Weizhong Wang, and Jie Zhang</i>	
12:00 -13:30	Lunch	

Wednesday, 22 April		
13:30 - 14:50	<p>Poster Session PE: Electromagnetics - Environmental & Engineering Applications and Technology Development Chairs: Fabio Speranza and Jianguo Yan</p>	<p>Poster Session PF: Electromagnetics - Processing and Inversion Chairs: Jinsong Shen and Trevor Irons</p>
13:30 - 14:00	<p>Poster Presentation Location: New Elite Conference Room, Entrepreneurship Center, Chengdu University of Technology</p>	<p>Poster Presentation Location: Jobs Conference Room, Entrepreneurship Center, Chengdu University of Technology</p>
14:00 - 14:50	<p>Poster Display Location: Poster Area, Entrepreneurship Center, Chengdu University of Technology</p>	<p>Poster Display Location: Poster Area, Entrepreneurship Center, Chengdu University of Technology</p>
	<p>HTEM noise frequency characteristics simulation and influencing analysis. <i>Yanzhang Wang, Richard Smith, Kaiguang Zhu, Jun Lin, and Bin Chen</i></p>	<p>The application and effect of the equivalent source method in the time domain induced polarization. <i>Xiaojuan Li, Xianzheng Zhang, Yang Shao, and Yule Jiang</i></p>
	<p>Cascaded transmitter with output of 2n sequence pseudo-random waveform for semi-airborne frequency-domain electromagnetic exploration. <i>Haigen Zhou, Kaichang Xue, Jun Lin, Changsheng Liu, Fengdao Zhou, Shuang Wang, and Zhiqiang Bao</i></p>	<p>Estimation and removal of magnetotelluric static shift. <i>Jun Zhou, Xuben Wang, Juntao Zhang, and Shuai Ruan</i></p>
	<p>The study of the anti-interference capability of emission waveform in MTEM work. <i>Wei Zhao, Xiu Li, and Wentao Liu</i></p>	<p>Noise removal method for magnetic resonance sounding signal based on principal component analysis. <i>Baofeng Tian, Yue Wang, Yanni Xie, Xiaofeng Yi, and Tiehu Fan</i></p>
	<p>CSAMT investigation with a new kind of controlled-source acquisition equipment at Chinese southwestern oil and gas field. <i>Xiaodong Luan, Qingyun Di, Zhiguo An, Cheng Xu, Xianxiang Wang, and Wenwei Zhang</i></p>	<p>Analysis of 2D MT inversion in approximately explaining 3D model. <i>Gen-gen Qiu, Hui Fang, Qing Zhong, Xiao-bo Zhang, Fa-gen Pei, and Yong-zhen Yuan</i></p>
	<p>Well-hole electromagnetic exploration techniques and its research progress. <i>Zhigang Wang, Zhanxiang He, Guanping Liu, and Jinhe Li</i></p>	<p>3D regularized focusing inversion of direct current resistivity and induced polarization data. <i>Yixin Ye, Zhiyong Zhang, and Zelin Li</i></p>
	<p>A fully polarimetric borehole radar and its polarimetric response to synthetic fractures. <i>Jianguo Zhao, Bin Xiong, Zhitao Ma, Xingxing Huang, and Motoyuki Sato</i></p>	<p>The forward computation and inversion of magnetotelluric fields in two-dimensional non-isotropic medium. <i>Miaoxin Yang, Handong Tan, Xiaohong Meng, and Changhong Lin</i></p>

Wednesday, 22 April		
	<p>Detecting buried human bodies in graveyard with ground-penetrating radar. <i>Iqbal Fauzi Aditama, Khalid Istiqlal Syaifullah, Durra Handri Saputera, and Widodo</i></p>	<p>The study of regularization inversion for 2.5 dimension DC resistivity based on minimum support stabilizing factor. <i>Man Li, Zhiyong Zhang, and Wendong Lin</i></p>
	<p>Research on the resistivity imaging method in karst exploration. <i>Nian Yu, Xuben Wang, Xiangyun Hu, Xuyou Lei, and Jian Li</i></p>	<p>Inversion of CSAMT data in horizontally layered transversely isotropic media. <i>Jianmei Zhou, Xiu Li, and Zhipeng Qi</i></p>
	<p>The experiment study of NMR with meter antenna in tunnel engineering. <i>Xiaofeng Yi, Hao Lin, Tiehu Fan, Baofeng Tian, and Jun Lin</i></p>	<p>Bayesian joint inversion of MT and seismic data based on simulated annealing method. <i>Xiao Chen, Peng Yu, Juzhi Deng, and Luolei Zhang</i></p>
	<p>AMT forward modeling and the detection application of permafrost thickness in Muli area. <i>Fagen Pei, Hui Fang, Bingrui Du, Qing Zhong, Xiaobo Zhang, Gengen Qiu, and Meixing He</i></p>	<p>A synthetic study of SNMR tomography with complex data. <i>Bin Chen, Xiangyun Hu, Jianchao Cai, and Warou Assiah</i></p>
	<p>Monitoring the solute transport with active time constrained time-lapse electrical resistivity tomography. <i>Chenghui Liu and Xiaoping Wu</i></p>	<p>Joint inversion of transmitter navigation and seafloor resistivity for frequency-domain marine CSEM data. <i>Gang Li and Yuguo Li</i></p>
14:50 - 15:00	Afternoon Tea	
15:00 - 16:40	<p>Session R: Electromagnetics for Environmental and Engineering Applications <i>Chairs: Qingyun Di and Andy Kass</i> <i>Location: New Elite Conference Room, Entrepreneurship Center, Chengdu University of Technology</i></p>	<p>Session S: Integration of Different Geophysical Data Sets <i>Chairs: Peng Yu and Mark Lindsay</i> <i>Location: Jobs Conference Room, Entrepreneurship Center, Chengdu University of Technology</i></p>
15:00 - 15:20	<p>Mapping coal-beds water-filled zones by using SOTEM. <i>Guoqiang Xue, Weiyang Chen, and Huasen Zhong</i></p>	<p>Integrated exploration platform: 2D and 3D data visualizations through interactivity. <i>Jason C. Wong, Eun-Jung Holden, Peter Kovesi, Daniel Wedge, Klaus Gessner, and Ruth Murdie</i></p>
15:20 - 15:40	<p>Geoelectric survey to study ecological problems in the Bologovsky district, Tver region. <i>Dina Kvon and Vladimir Shevnin</i></p>	<p>Characterizing reservoir parameters through joint inversion of marine controlled source electromagnetic and seismic data. <i>Runlin Du, Zhan Liu, Kaijun Xu, and Ming Li</i></p>
15:40 - 16:00	<p>Prospecting for groundwater in low permeability formations using the electrical resistivity method: The case of Ikwo and environs, South Eastern Nigeria. <i>Amobi C. Ekwe, Mosto K. Onuoha, and Francis X. O. Ugodulunwa</i></p>	<p>Joint seismic travelttime and TEM inversion for near surface imaging. <i>Jide Nosakare Ogunbo and Jie Zhang</i></p>

Wednesday, 22 April		
16:00 - 16:20	Observational evidence of anisotropic changes apparent resistivity before strong earthquakes. <i>Jianguo Zhang, Wei Du, Mingxin Yue, Chenghui Liu, Xiaolong Liang, and Jun Yang</i>	Regional airborne EM and magnetic in Selwyn Basin – An explorer’s perspective. <i>Robert C. Carne, Jean M. Legault, Richard Phillips, and Julia Lane</i>
16:20 - 16:40	CSAMT investigation for geological structures in a high-level radioactive waste preselected site. <i>Qingyun Di, Zhiguo An, and Zhongxing Wang</i>	Determining mineral prospectivity through integrated geological and geophysical interpretation: Riding the gravity high in the east Kimberley. <i>M. D. Lindsay, A. R. A. Aitken, S. A. Occhipinti, J. Spratt, S. Evans, M. D. Dentith, and J. A. Hollis</i>

EXHIBITION

Exhibit Hours

10:05-17:00, Monday, 20 April

09:00-17:00, Tuesday, 21 April

09:00-15:00, Wednesday, 22 April

Exhibitors Alphabetical Listing

Beijing Eusci Technologies Ltd.-----	Booth #10
Beijing Horin Exploration Technology Co.,Ltd. -----	Booth #01
Beijing Orangelamp Geophysical Exploration Co., Ltd. -----	Booth #08
Beijing Ouhualian Science & Technology Ltd. -----	Booth #09
Beijing Technology and Engineering Co., Ltd. -----	Booth #11
Chinese Geophysical Society (CGS) -----	Booth #05
Geotech Ltd. -----	Booth #07
GME and Geochemical Surveys,BGP Inc.,CNPC -----	Booth #02
Hengda Century (Beijing) Geophysics Technology Co., Ltd.-----	Booth #03
Laurel Industrial Company, Inc -----	Booth #04
Society of Exploration Geophysicists (SEG) -----	Booth #06

Exhibitors Directory

Beijing Eusci Technologies Ltd.

Rm1403, Building A, Raycom Creative Center No.65, Bajiao East Street, Shijingshan District Beijing 100043 P. R. China

Tel: 010-68487691

Email: Sales@eusci.com

Website: www.eusci.com

Booth #10

Beijing Eusci Technologies Ltd. is a new type of science and technology enterprise who is engaged in R&D, manufacture, sales the geosciences instrument, introduce the global advanced geophysical prospecting instrument, exploit the advanced research method of geological science, the business target of our company is to serve for the scientific research, teaching and engineering technology in geosciences area. We are the general agency of China for many global well-known geophysical exploration and geological science instrument and the laboratory equipment system, including Trimble Reftek (USA), Bartington(UK), AGICO(Czech), etc. The range of products is as following:

- Earthquake monitoring instrument: broadband seismometer, Short period seismometer, macro seismometer, seismic intensity meter, GPS orientation indicator
- Geomagnetism observation instrument: Mag-01H/DI fluxgate theodolite, proton magnetometer
- Magnetic field measurement instrument: Different accuracy and cost fluxgate sensors, land and submersible gradient magnetometers
- Paleomagnetism and rock magnetism instrument: magnetic susceptibility instrument, rock magnetometer, demagnetizing instrument, magnetizing instrument, portable rock sampling drill, rock specimen cutting equipment, magnetic shield room design and construction , various shape and specification magnetic shield container manufacture
- Field science observation auxiliary equipment: mobile solar energy power supply module, high

intensity portable solar panel bracket system, various normal temperature and low temperature lead-acid battery and low temperature lithium battery pack, the reliable solar power and AC power charge controller, buried type assembly observation well kit for field application.

Our company has a bunch of technical supporters and sales engineers who have sufficient professional knowledge and technical experience, in the meantime of promote geosciences products, with the business aim of “performance outstanding, quality excellent, service considerate”, to provide the perfect pre-sales and after-sales solutions of the most advanced geosciences instrument for all of the clients is the identical pursuing of all of the EUSCI employee, and the ultimate goal of the EUSCI survival and development. In the past several decades, the development and expansion of EUSCI was really relied on the support and help of all of our clients. We will continuously do our best to pay back to the trust of all of our client base on our best products solution.

Beijing Horin Exploration Technology Co., Ltd.

Room 803, No. 49-3 Yingzhi buildings, Suzhou Street, Haidian District, Beijing,100080,China

Tel: +86-10-62611285

Mobile: +86-13521903951

Booth #01

We are located in Suzhou Street, Haidian District, Beijing. Founded in 2009, has been focusing on the geophysical software business, including: geophysical software sales, training and technical support, software development, data processing etc.

The company philosophy is: With the first-class products and services to help users to enhance the technical means, improve work efficiency. By the introduction of international geophysical software products, supplemented by the supporting software from Horin, We can provide geophysical software solution with complete functions, good applicability, excellent performance. At the same time, we provide professional technical support, comprehensive and meticulous training, make sure you can more skilled using the geophysical software solution to practical work as soon as possible. We also can provide you with the processing and interpretation of geophysical data service.

Our customers throughout China mainland in various systems, such as Geological Survey, Chinese Academy of Sciences, Marine Bureau, Bureau of Geology and Mineral Resources, Nuclear Industry, Non-ferrous Metals, Coal Field, University etc.. Wish to win your approval by our professional and honest service.

Beijing Orangelamp Geophysical Exploration Co.,Ltd.

Building #22, Ke Pai Industrial Base, Courtyard #8, He Ying Rd., Nan Shao Town, Chang Ping Dist.,Beijing,China,102200

Tel: 400-010-9986

Email: orange@orangelamp.com.cn

Web: www.oranglamp.com.cn

Booth #08

Established in 2004, Beijing Orangelamp Geophysical Exploration Co.,Ltd is a high-tech enterprise which is focused in geophysical instruments sales, R&D, after-sale service as well as geophysical exploration service.

The products of Orangelamp have covered solid mineral exploration, oil exploration, geological exploration, marine environmental and other technical areas, and the related industry include energy, mineral, seismic, mapping, Hydraulic and Hydro-Power Engineering, railway, road, bridge, forestry, atmosphere, archaeology, education etc. And Orangelamp is in a leading position in

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electric instruments, magnetometer, and gravimeter area.

Orangelamp geophysical exploration has geophysical survey B qualification and solid mineral exploration B qualification. At present our exploration service is involved in geothermal exploration, coal mine goaf exploration and nonferrous metals exploration.

The mission of Orangelamp is to apply geophysical technician into various industry and push the application to extreme. Orangelamp is committed to become a one-stop geophysical application service company.

Beijing Ouhualian Science&Technology Ltd.

XiSanQi,LongQiPlaza 2# Building 13th Floor, 102200,Beijing,CHINA

Tel: +8610-82920623/24

Email: mail@ouhualian.com

Website: www.ouhualian.com

Booth #09

Beijing Ouhualian Science&Technology Co., Ltd. (BOST) is created by the famous geophysicist Professor Liu Guodong in 1996, it's a High-Tech Joint-stock Cooperative Research Entity. BOST has passed the ISO9000 quality system certification and became as the sales, training, service and technical support center of foreign advanced Geophysical instruments, Seismic monitoring equipment, Safety testing equipment, large-penetrating radar, multi-purpose&high-quality grout etc. We also engaged in mining, environment, disaster and engineering geophysical exploration and software development.

BOST is a professional team which has deep theoretical foundation and rich practical experience, it is composed of highly educated, high title business backbones. With a good reputation and improved technical services, BOST provide superior performance geophysical instruments and other equipments, and also have our own imported geophysical surveying instruments. BOST always pay attention to the introduction of foreign advanced geophysical technology and equipment, then promote them in domestic on the basis of full digestion and absorption. and has achieved a lot of success stories.

Beijing Technology and Engineering Co., Ltd.

Seismographic observatory, No.125 ShuangQuanPu, Haidian District, Beijing,100192,China

Tel: +8610-82734787

Website: <http://www.bjetec.net/>

Booth #11

Beijing Technology and Engineering Co., Ltd (BETEC) is a global high-tech enterprise providing geological exploration services, research, software development and technology support to the mining and energy industries.

Originally incorporated under the business name "Survey Technology Engineering Co., Ltd. Beijing," BETEC was established in 1987 to provide scientific research and production/software development for the Chinese Geological Exploration Bureau. The company was integrated as a professional firm with the Bureau's Department of Geology and Mineral Resources and also the Geophysical and Geochemical Exploration Technology Academy's Geological Survey (now the China Development Research Center.)

Chinese Geophysical Society (CGS)

No.19 Beitucheng West Road, Chaoyang District, Beijing,100029, China

Tel: +86 10 82998024

Fax: +86 10 82998257

Email: cgs@cgs.org.cn

Website: www.cgs.org.cn

Booth #05

The Chinese Geophysical Society (CGS) is a first-order organization under the Chinese Association of Science and Technology (CAST), was founded at Shanghai in 1947, and migrated to the Beijing in 1954. Now it has total 14700 registered members including 56 academicians of Chinese Academy of Sciences and Chinese Academy of Engineering, and the members come from 22 systems, 1622 units such as institutes, universities, industrial companies and relevant government departments. The CGS has 14 special committees, 6 commissions and 5 scientific journals.

Geophysics is a science to research the genesis, formation, evolution, structure, composition of the earth by means of physical methods, including the celestial geophysics, atmospheric geophysics, solid geophysics and marine geophysics. Geophysics plays a very important role in the construction and development of national economy and human survival and life, such as energy exploration, resource reconnaissance, minerals production, environmental detection and protection, disaster prevention and control, and engineering construction. Its can bring benefit to mankind through developing modern science basing on the learning properties and attributes of the earth and finding the inner profound through observing and investigating the relevant objects of the earth.

CGS was the main reformative unit of Chinese Association of Science and Technology in 80s. Now CGS sponsored by Chinese Academy of Sciences (CAS), Ministry of Land and Resources China (MLRC), China Earthquake Administration (CEA), China National Petroleum Corporation (CNPC), China Petroleum and Chemical Corporation (SINOPEC), China National Offshore Oil Corporation (CNOOC), China National Administration Coal Geology (CNACG).

Geotech Ltd.

245 Industrial Parkway North. Aurora, Ontario, Canada. L4G 4C4

Email: sales@geotech.ca,

sales@geotechairborne.com

Phone: +1 905 841 5004

Fax: +1 905 726 5315

Website: www.geotech.ca (Americas)

www.geotechairborne.com(International)

Booth #07

Geotech specializes in airborne geophysical survey mapping, data processing and data interpretation. As the exclusive provider of VTEM™ and ZTEM™ systems, Geotech offers client services in magnetics, radiometrics, gravity and GIS. Industry clients include minerals and mining, groundwater, oil and gas, government and environment. Geotech and its sister companies operate on a global scale with offices in Australia, Brazil, Barbados, Chile, Ghana, Kazakhstan, Russia, South Africa and the USA.

GME and Geochemical Surveys, BGP Inc., CNPC

BGP International Building, No.307, Fanyang Road, Zhuozhou, Hebei,072751, P.R.China

Tel: +86 312 3736037, +86 312 3736045

Email: sunxm@bgp.com.cn,xuedongdong@cnpc.com.cn

Website: www.bgp.com.cn/technology/gme.html

Booth #02

GME and Geochemical Surveys, BGP Inc., CNPC, has earned an unrivalled reputation as one of international leaders in non-seismic data acquisition, processing, integrated interpretation,

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research and development. By providing professional competitive services of gravity, magnetic, electromagnetic, geochemical surveys and comprehensive geological interpretation, we bring our clients success.

We have been expanding services steadily and continuously from the core business of oil and gas exploration to other areas such as oil and gas field development, mineral exploration, unconventional resources exploration, groundwater investigation and engineering survey. Our business spreads around the world based on the international marketing network in the Middle East, South America, Central Asia, North Africa and East Africa. We have conducted more than 100 non-seismic projects for at least 50 international oil companies. We have 21 non-seismic survey crews. Up to now, a gigantic annual production (300000 gravity and magnetic stations, 8000 line km of magnetotelluric, 5000 line km of TFEM and 1000 line km of geochemical per year) could be acquired by us.

Now we not only grasped 8 conventional techniques such as land gravity and magnetic, marine gravity and magnetic, underwater gravity, MT, TEM, TDEM, geochemical detection and other near-surface techniques, but also developed 3 independent technologies including time-frequency domain electromagnetic (TFEM); 3D gravity, magnetic, electromagnetic (3D GME); comprehensive exploration technique integrating with gravity, magnetic, electromagnetic and seismic survey based on GeoEast software package. During last five years more than 50 patents have been applied or granted, more than 100 papers have been published, and the numbers of registered software copyright and drafted technical standards are nearly 40 separately.

Hengda Century (Beijing) Geophysics Technology Co., Ltd.

SuitA2306, Full Link Plaza, No.18 Chao-wai Street, Chaoyang District, Beijing, China (100020)

Tel: +8610-65884828

Email: mail@hengda-century.com

Website: www.hengda-century.com

Booth #03

Hengda Century (Beijing) Geophysics Technology Co., Ltd owns a professional team composed by technology experts, professional data processing and interpretation staff as well as experienced sales engineers.

We are exclusive agent and technical service center in China of PHOENIX Geophysics Ltd (CANADA), IRIS Instruments (FRANCE), Mobile Geophysical Technologies (Germany), Crone Geophysics Exploration Ltd (CANADA). We provide with a powerful marketing promotion, sales and technical support, after-sales service and spare parts warehouse, Meanwhile, we offer specialized service to all users of Far East markets including China, Korea, Mongolia, Indonesia, Singapore and so on.

Laurel Industrial Company, Inc

Beijing Office:

Suite 1807-1810, KunTai International Mansion No.12B, Chaowai Street, Beijing, 100020, China

Tel: 010 5879 0099

Fax: 010 5879 0989

E-mail: laurel@laureltech.com.cn

<http://www.laureltechnologies.com>

Shanghai Office:

Suite 202, No.7 Building, New Media Industry Park, 777 Long Wu Road, Shanghai, 200232, China

Tel: 021 6119 6200

Fax: 021 6119 6210

E-mail: laurelsh@laureltech.com.cn

<http://www.laureltechnologies.com>

Chengdu Office:

Suite C 2109, Wan Rui Center of Golden Sands, No.1 Shujin Road, Qingyang District, Chengdu, Sichuan Province, 610091, China

Tel: 028 6133 8015

Fax: 028 6133 8025

E-mail: laurelcd@laureltech.com.cn

<http://www.laureltechnologies.com>

Booth #04

Over a long period of time in the fields of oceanographic and geophysical instrumentation LAUREL has been engaging in application research, system integration, hardware and software R&D, marketing, post-sale service and engineering consultation. LAUREL takes active part in scientific investigation, resource exploration, engineering inspection, environmental protection and other activities. It established several branches, representative office, and repair centers in Beijing, Shanghai, Hong Kong and San Jose, USA. LAUREL has successfully introduced many pioneer exploration instrument/system to Chinese market based on the joint R&D with most active scientific clients and well-known instrument manufacturers in the world and adopting resource/venture-sharing policy and parallel working mode at R&D and in-site experiment stages. LAUREL has provided thousands of instruments and systems to Chinese geologists, geophysicists and oceanographers to help them to fulfill numerous important state scientific research projects and engineering projects.

The following are main products by LAUREL:

- Equipment for physical oceanography, ocean geophysical survey, hydrographic mapping, ocean science research and underwater engineering;
- Equipment for geophysical exploration, geo-physics, engineering quality monitoring

Society of Exploration Geophysicists (SEG)

8801 S. Yale Ave., Ste. 500, Tulsa, OK 7437, USA

Tel: +1-918-497-5539

Fax: +1-918-497-5552

Email: meetings@seg.org, china@seg.org

Website: www.seg.org

Booth #06

The Society of Exploration Geophysicists is a not-for-profit organization that promotes the science of applied geophysics and the education of geophysicists. SEG, founded in 1930, fosters the expert and ethical practice of geophysics in the exploration and development of natural resources, in characterizing the near surface, and in mitigating earth hazards. The Society, which has more than 33,000 members in 138 countries, fulfills its mission through its publications, conferences, forums, Web sites, and educational opportunities.

GENERAL INFORMATION

Hotel Telephone Numbers

- Chengdu Eastar Hotel -----+86-(0)28-65561111
- Chengdu Huadu Times Hotel-----+86-(0)28-65581888

Onsite Rules and Instructions

- All participants will need to wear the name badges of GEM Chengdu Workshop to enter all the meeting rooms, exhibition area and poster sessions.
- During the Workshop, the participants shall not copy, photograph or video record any materials without the consent of the presenters or the organizing committee.
- Please comply with the venue disciplines during the meetings and smoking is forbidden in the meeting area.
- Please mind your own safety, take care of your belongings and prevent accidents in any forms. If any unexpected event occurs, please contact the onsite staff immediately so that measures can be taken appropriately.
- If the fire incident or other disasters occur during the meeting, the participants should be lead to leave through the nearest exit immediately and congestion should be prevented.
- Please remain calm if fire incident occurs in the rooms. If evacuation is needed, please follow the instructions by the onsite staff and leave according to the evacuation instructions posted in the rooms and the corridors.
- If any emergencies happen outside the meeting venues, please call 110 for police and emergencies, 119 for fire accidents and 120 for ambulances.

GEM Chengdu 2015

**International Workshop on Gravity,
Electrical & Magnetic Methods
and Their Applications**

Chengdu University of Technology

Chengdu, China

19–22 April 2015



Society of Exploration Geophysicists
The international society of applied geophysics



Society of Exploration Geophysicists (SEG)

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Chinese Geophysical Society (CGS)

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