



SCIENCE ■ STEWARDSHIP ■ SERVICE



## **Bridging Two Continents**

**Second Joint Scientific Meeting of GSA and GSC**

**1-2 November 2015**

**Baltimore, Maryland, U.S.A.**

(To be held in conjunction with the GSA Annual Meeting  
& Exposition, 1-4 November 2015)

## **Second Circular**

To promote and encourage greater understanding of Earth Sciences, the Geological Society of America (GSA) and the Geological Society of China (GSC), at the suggestion of the International Section of GSA, initialed a Memorandum of Understanding in October 2011 on holding two joint scientific meetings in the second decade of the 21<sup>st</sup> century.

The first meeting, *Roof of the World*, was held in Chengdu, China, 17-19 June 2013. This very successful meeting brought together many world-class scientists from the two societies to discuss a wide range of topics including: Evolution of the Qinghai-Tibet Plateau, Continental Deformation and Deep Lithosphere Processes, Intra-Continental Deformation and its Relationships to Geo-hazards, Accretionary Orogenesis, Deep Earth Processes through Geochemistry, Mineral Deposits, Basins and Petroleum Resources, the Permian-Triassic Mass Extinction, Ultra High-pressure Metamorphism, Ophiolites, Carbon Sequestration, Water Resources and Hydrogeology, Gas Hydrates, Critical Transitions in Earth's History, and Foreland basin tectonics.

The second joint meeting will be held in Baltimore, Maryland, U.S.A. during the 2015 Geological Society of America's Annual Meeting & Exposition. This GSA-GSC joint scientific meeting will be a "meeting within a meeting" and will be held on Sunday, 1 November - Monday, 2 November 2015 at the Baltimore Convention Center. A pre-meeting field trip will also be held covering the North American Cordillera. The duration of the field trip is 3 days.

## **1. Sponsors & Organizing Committee**

### **Sponsors:**

Geological Society of America

Geological Society of China

### **Organizing Committee:**

#### **Geological Society of America (GSA)**

An Yin (UCLA)

Melissa Cummiskey (GSA)

Juhn G. Liou (Stanford University)

I-Ming Chou (USGS)

Larry Brown (Cornell University)

Paul Kapp (University of Arizona)

Allen Glazner (University North Carolina)

Brendan Murphy (St. Francis Xavier University)

Joe Meert (University of Florida)

Mike Oskin (UC Davis)

John Wakabayashi (California State University, Fresno)

Laura Webb (University of Vermont)

Y. Dilek (Miami University)

J. Gilotti (University of Iowa)

#### **Geological Society of China (GSC)**

Xianlai Meng (GSC)

Lixin Zhu (GSC)

Ziguo Hao (GSC)

Shuwen Dong (Chinese Academy of Geological Sciences)

Jingsui Yang (Chinese Academy of Geological Sciences)

Xianhua Li (Institute of Geology and Geophysics, Chinese Academy of Sciences)

Lin Ding (Institute of Tibetan Plateau, Chinese Academy of Sciences)

Chengshan Wang (China University of Geosciences-Beijing)

Di-Cheng Zhu (China University of Geosciences-Beijing)

Ming-Guo Zhai (Institute of Geology and Geophysics, Chinese Academy of Sciences)

Jing Liu-Zeng (Institute of Geology and Geophysics, Chinese Earthquake Administration)

Chengshan Wang (China University of Geosciences – Beijing)

Wenjiao Xiao (Institute of Geology and Geophysics, Chinese Academy of Sciences)

Yongfei Zheng (University of Science and Technology of China, Hefei, China)

Lifei Zhang (Peking University)

## **2. Meeting Dates**

1-2 November 2015

## **3. Meeting Venue**

Baltimore Convention Center, Baltimore, MD, U.S.A.

#### 4. Important Dates

June 2015:	Registration Opens
11 August 2015:	Deadline for abstract submission
20 September 2015:	Last day to cancel housing reservation without penalty.
28 September 2015:	Deadline for discounted registration fees, field trip sign-up, and guaranteed hotel prices (based on availability).
5 October 2015:	Deadline for registration cancellation.

#### 5. Registration Fees:

	Early	Standard /On-site
Professional	US\$415	US\$595
Student	US\$170	US\$205
Guest or Spouse	US\$85	US\$90
Pre-Meeting Field Trip (additional cost)	US\$785	N/A

Registration fees cover meeting materials, Icebreaker, Exhibit Opening Reception, tea/coffee breaks, GSA/GSC Luncheon (Monday, 2 Nov), featuring Dr. James Hansen, closing reception, and other related activities during the meeting. This fee will also cover you to attend the entire GSA Annual Meeting & Exposition as well as all *Bridging Two Continents* events.

The latest exchange rate from U.S. Dollar (USD) to Chinese Yuan Renminbi (RMB):  
1 United States Dollar = 6.07721 Chinese Yuan

#### 6. Hotel Information

Hotel reservations can be made through the official GSA housing bureau, Visit Baltimore Housing Services. You are able to book online and choose from any of the hotels in the GSA housing block listed below. Please note: Space and rates are available on a first-come, first-served basis. Book early to get the best choices.

To book online, go to:

<http://community.geosociety.org/gsa2015/attendeefinfo/reservations>

Baltimore Harbor Hotel**	\$179 S/D
Baltimore Marriott Inner Harbor @ Camden Yards	\$209 S/D
Days Inn Inner Harbor	\$139 S/D
Hampton Inn Baltimore-Dtwn / Convention Center**	\$159 flat rate
<b>Hilton Baltimore (HQ Hotel)</b>	\$215 S/D
Holiday Inn Inner Harbor	\$175 S/D
Hyatt Regency Baltimore	\$209 S/D

Lord Baltimore Hotel	\$179 S/D
Renaissance Baltimore Harborplace Hotel	\$209 S/D
Sheraton Inner Harbor	\$189 S/D

*\*S/D = Single/Double Rate. Additional fees will be added for more than 2 people staying in the room.*

*\*\*These properties include breakfast in their rate.*

## 7. Guideline for Abstract Preparation and Submission

Before beginning the submission, please view some information on [Preparing an On-Line Submission](#). A fee of US\$45 for professionals and US\$25 for students will be charged for each abstract submission; Please review the two-abstract rule; If you want to edit an abstract you have submitted for this meeting, you can reenter your abstract by going to <http://gsa.confex.com/>, and entering your abstract ID and password. Please make note of your ID and password found in the upper left-hand corner on your abstracts submittal page. To begin your abstracts submission, please select the Topical Session (T1-T8) which you wish to submit your paper.

### Guidelines:

- **Write the body of your abstract.**
- **Please keep it to 2000 characters or less, not counting spaces.** (The online abstract system will not accept it if it exceeds 2000 characters.)
- If you want to include a table/figure with your abstract, you can. But understand that the table/figure might reduce the number of words allowed in your abstract. Taken together, the words and tables/figures should take up no more space than would be occupied by a simpler abstract of 2000 characters alone.
- Check the spelling of the abstract's body and title using your own word processor.
- Then read it again and make sure that it is something the whole world should see. (We won't check or edit it for you.)
- Copy and paste your abstract text directly into the text box for the "copy/paste" option. All your formatting will be preserved.
- For typing and pasting, add an extra line between paragraphs or they will run together when displayed. (You can do this before copying, or after pasting, or while typing).
- If you're not happy with the way your abstract looks after you've saved the text, then go back and try editing it in the textbox provided.

## 8. Topical Sessions

### T1. Bridging Two Continents: Active Intracontinental Tectonics in Asia and North America and the Associated Geohazards

Jing Liu-Zeng, An Yin, Mian Liu

Intracontinental tectonics, exemplified by the diffuse crustal deformation in central Asia and the western U.S., and mid-continental earthquakes in North China and the eastern-central U.S., remains

enigmatic. This session seeks researchers from all disciplines to exchange data and ideas to better understand active intracontinental tectonics and associated geohazards.

Tectonics/Tectonophysics

[Submit an abstract to this session](#)

## **T2. Bridging Two Continents: Advances in Crustal Subduction and Ultrahigh-Pressure Metamorphism**

Jane A. Gilotti, Yongfei Zheng

*GSA Structural Geology and Tectonics Division; Mineralogical Society of America; GSA Mineralogy, Geochemistry, Petrology, and Volcanology Division; Geochemical Society*

Presentations that explore the mineralogical, petrological, geochemical, geochronologic, and tectonic aspects of crustal subduction and ultrahigh-pressure metamorphism are welcome. Papers presenting theoretical, analytical, or conceptual advances toward the understanding of deep subduction-zone processes are encouraged.

Petrology, Metamorphic | Tectonics/Tectonophysics | Geochemistry |

[Submit an abstract to this session](#)

## **T3. Bridging Two Continents: Comparative Studies of Accretionary Orogenesis in the Central Asian Orogenic Belt, North American Cordillera, and Other Orogenic Belts**

John Wakabayashi, Wenjiao Xiao, Laura E. Webb

*GSA Structural Geology and Tectonics Division; Mineralogical Society of America; GSA Mineralogy, Geochemistry, Petrology, and Volcanology Division*

We seek contributions on aspects of the accretionary orogenesis of the Central Asian Orogenic Belt and the North American Cordillera. Comparative studies or research on either belt, or on other accretionary orogens, are welcome.

Structural Geology | Tectonics/Tectonophysics | Sediments, Clastic

[Submit an abstract to this session](#)

## **T4. Bridging Two Continents: Diamonds, Zircons and Native Elements in the Mantle: New Discoveries and Models on the Properties and Petrogenesis of Oceanic Mantle Lithosphere**

Yildirim Dilek, Paul T. Robinson, Juhn G. Liou, Jingsui Yang

*GSA Mineralogy, Geochemistry, Petrology, and Volcanology Division; GSA Structural Geology and Tectonics Division; MSA Mineral Physics; GSA Geophysics Division; Mineralogical Society of America; Geochemical Society*

Contributions on the processes of element fluxing, crust-mantle recycling, and petrogenetic evolution of the mantle, based on studies of ophiolites and oceanic lithosphere and using

mineralogical, geochemical, and geodynamic data for modeling at nano, micro, and global scales are welcome.

Mineralogy/Crystallography | Petrology, Metamorphic | Tectonics/Tectonophysics |  
[Submit an abstract to this session](#)

### **T5. Bridging Two Continents: Geologic Configuration of the Tibetan Plateau Region Prior to the Indo-Asian Collision: Setting the Stage for Development of a High Elevation Plateau**

Amy L. Weislogel, Delores M. Robinson, Chengshan Wang  
*GSA Structural Geology and Tectonics Division*

Geoscientists from diverse disciplines will assess the complicated geologic record produced by successive tectonic collisions, with the aim of piecing together the geologic history that culminated in Earth's largest and highest plateau.

Tectonics/Tectonophysics | Structural Geology | Sediments, Clastic  
[Submit an abstract to this session](#)

### **T6. Bridging Two Continents: Mid-Latitude Climate during Cretaceous Greenhouse States: Comparison between East Asia and North America**

Stephan A. Graham, Xiaoqiao Wan

Understanding Cretaceous greenhouse climate may be helpful for future climate predictions. Comparison of the Terrestrial Songliao Basin in East Asia and the Western Interior Seaway Basin in North America facilitates integration of mid-latitude climate in the Cretaceous. Topics on basin evolution and paleoclimate change are encouraged.

Paleoclimatology/Paleoceanography | Tectonics/Tectonophysics  
[Submit an abstract to this session](#)

### **T7. Bridging Two Continents: New Insights into the Mechanisms of Continental Deformation from Sinoprobe Deep Seismic Reflection Profiling And Receiver-Function Studies Of The Lithosphere**

Shuwen Dong, Larry Brown

International seismological observations recently achieved significant progress; the SinoProbe of China continues to explore lithospheric structures from efforts of many scientists. This session allows scientists to exchange new findings and insights, and stimulates cooperation and discussion to better understand the mechanism of continental deformation and tectonics.

Tectonics/Tectonophysics |  
[Submit an abstract to this session](#)

## **T8. Bridging Two Continents: Supercontinents In Earth's History: New Perspectives from Precambrian Geology of Asia and North America**

Mingguo Zhai, J. Brendan Murphy, Joseph G. Meert

This session will concentrate on paleogeographic reconstructions of Precambrian paleocontinent/supercontinents with specific emphasis on Asian and North American cratons, early Earth geodynamic and tectonic processes, and the effect of supercontinent cycles on the distribution of mineral resources and evolution of the hydrosphere and atmosphere.

Precambrian Geology | Tectonics/Tectonophysics |

[Submit an abstract to this session](#)

### **9. Pre-Meeting Field Trip**

This pre-meeting field trip will cover the North American Cordillera including the San Andreas fault, Franciscan mélangé and Coast Range ophiolite, and Great Valley Sequence and Transverse Range Geology. **This field trip is for Chinese participants only.**

Participants should plan to be in Los Angeles by Tuesday, 27 October. Day 1 of the trip will begin on Wednesday, 28 October. The field trip ends the evening of Friday, 30 October. Participants should plan to fly from Los Angeles, CA to Baltimore, MD no later than Saturday, 31 October to participate in the technical sessions on 1-2 November. Flights can be booked any time after 10:00 p.m. on Friday, 30 October.

Wednesday, 28 October – Friday, 30 October

Day 1: San Andreas fault

Day 2: Franciscan mélangé and Coast Range ophiolite

Day 3: Great Valley Sequence and Transverse Range Geology

**Cost: US\$785**

Cost includes: Transportation on field trip (airfare not included) plus field trip leader and drivers, 2 nights lodging (28 & 29 October), 3 days lunch and snacks, printed field guide, and administrative costs. Breakfast and dinner will be on your own as well as pre- and post-field-trip hotel nights.

### **5. Websites**

<http://www.geosociety.org/meetings/15china/> (Geological Society of America)

<http://eng.cags.ac.cn> (Chinese Academy of Geological Sciences, Beijing, 中国地质科学院)

<http://www.geosociety.org.cn/> (Geological Society of China, 中国地质学会)

<http://www.geochina.org> (Overseas Chinese Earth Science and Technology Association, 海外华人地球科学与技术协会)