

International Conference

on

THEORY AND APPLICATION OF FAULT-RELATED FOLDING

IN FORELAND BASINS

First Circular
&
Call for Abstracts

An international conference on THEORY AND APPLICATION OF FAULT-RELATED FOLDING IN FORELAND BASINS is going to be held 25 June to 4 July 2005, including meetings in Beijing, followed by a 1-week field trip to the active fault-related folds of western China, Tarim and Junggar Basins. The conference is organized by PetroChina Limited Company and co-organized by Princeton University, Tarim Oilfield Company, and Nanjing University.

Since the publication of the classic paper on fault-bend folding in 1983 understanding of fault-related folding has grown rapidly, including the theory and methodology of a rich variety of fault-bend folding, fault-propagation folding, and detachment folding mechanisms and their complex superimposed types. Furthermore much progress is being made on the relationships between folding, sedimentation and erosion, and on the mechanics of fault-related folding, based on analog and numerical mechanical modeling of structures. Fault-related folding concepts have been widely applied in the petroleum industry and have been very helpful with trap definition, description and analysis of structural evolution. Fault-related folding is also a growing area of research in earthquake hazard prediction and active tectonics.

The foreland thrust-and-fold belts in central and western China have played an important role in the petroleum industry in China. The discovery of Kela-2 gas field has promoted the implementation of the West-to-East Gas Line, which is playing a great role in the energy strategy of China. Fault-related folding theory and methodology have played a significant role in the discovery and development of this gas field. Since then, a series of oil and gas fields have been rapidly discovered in the southern Junggar Basin, the southern Jiuxi Basin, the northern Qaidam Basin, etc. These foreland basins show the great potential and bright prospect for hydrocarbon exploration. To widen the exploratory area and to make advances in the use of fault-related folding theory, PetroChina Limited Company and its partners is going to hold the international conference on THEORY AND APPLICATION OF FAULT-RELATED FOLDING IN FORELAND BASINS.

1. Subject

Advances in the theory and application of fault-related folding in compressive settings, including but not limited to foreland basins, regions of active deformation and areas of petroleum exploration & development;
Characteristics of foreland thrust and fold belts in central and western China.

2. Main Topics

- (1) Advances in the theory of fault-related folding;
- (2) Advances in the methodology of fault-related folding;
- (3) Application of fault-related folding in hydrocarbon exploration;
- (4) Application of fault-related folding in hydrocarbon development;
- (5) Characteristics of foreland thrust and fold belts in central and western China

3. Conference Format

The conference will include two sessions:

The first is three days of formal conference presentations

The second is seven days of field trip.

4. Conference site and timetable

Conference Time: June 25 to July 4, 2005.

Conference Site (June 25-28): Conference Center of Research Institute of Petroleum Exploration and Development, PetroChina Limited Company, Beijing.

Field Trip (June 29-July4): Active fault-bend, fault-propagation and detachment folds in petroleum exploration areas of the northern Tarim Basin, southern Junggar Basin, and Tianshan Mountains, in Xinjiang Uygur Autonomous Region, northwest China.

Conference Scale: 100-120 persons.

5. Conference Language

The official language of the conference is English.

6. Conference Abstract and Paper

Authors are expected to submit the abstract by mail, e-mail or fax to the Conference Secretariat. Please be sure the abstract is received by the Secretariat before/on February 28, 2005.

The abstracts should provide sufficient information to allow assessment of the scope and content of the paper presented to the conference.

Abstracts should not exceed two pages (A4 format) and be written in satisfactory English according to the following guidelines:

- Short and concise title in bold
- Name, affiliation and address(es) of authors with underlined name of the person presenting the contribution
- Main body of text should be 1.5 line spaced with 2.5cm margins on both sides, typed in Times form, size 12.
- Tables or figures should be avoided in the abstract. If inevitable, only one table or/and figure could be included.
- The abstracts should be saved in MS Word format.

A collection of all the abstracts accepted for either oral or poster presentation will be available at the conference.

7. Conference Contact Address

Please feel free to contact us at:

(1) Miss Shi Xin, Mr. Yang Geng
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(2) Professor John Suppe
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Conference Registration

Please complete the following pre-registration form and return it by fax, mail or email to the Conference Secretariat (RIPED above).

<i>Pre-Registration Form</i>	
First Name: _____	Surname: _____
Middle: _____	Title: _____
Affiliation: _____	
Dept./Div: _____	
Address: _____	
Zip Code: _____	City: _____
Country: _____	
Phone: Fax: _____	
E-Mail: _____	
Provisional Title: _____	

Session:	Oral Y <input type="checkbox"/> N <input type="checkbox"/>
	Poster Y <input type="checkbox"/> N <input type="checkbox"/>

Registration Fees

Before	30/04/2005	After	30/04/2005
Delegate:	1000.00USD		1100.00USD
Student:	800.00USD		900.00USD

The registration fee includes conference materials, coffee breaks, luncheons, ice-breaker, conference dinner, cultural evenings, round trip transportation fee from Beijing to Urumuqi and Korle, and hotel fee for one week field-trip in Xinjiang.

Hotel Accommodation Declaration

Category Prices

- Single room* 65.00~75.00USD
- Double room* 85.00~95.00USD
- Student hostel 25.00~30.00USD

Please note* referring to a 4star hotel. The above prices, per room, per night, breakfast included, are indicative. They correspond to the minimum / maximum prices per category.

Key Invited Participants

Richard Allmendinger, Cornell University

Jean-Philippe Avouac, Caltech

Frank Bilotti, UNOCAL

Stuart Hardy, ICREA Barcelona

Aurélia Hubert-Ferrari, Université de Neuchâtel

Ken McClay, Royal Holloway

Shankar Mitra, University of Oklahoma

Karl Mueller, University of Colorado

Josep-Anton Muñoz, Universitat de Barcelona

Victor Ramos, University of Buenos Aires

Mark Rowan, Rowan Structural Consulting

John H. Shaw, Harvard University

John Suppe, Princeton University

Bruno Vendeville, Université de Lille

Chairmen of Fault-related Folding Conference

Dr. Chengzao Jia (Director of Research Institute of Petroleum Exploration and Development, Chief Geologist of PetroChina Limited Company)

Professor John Suppe (Department of Geosciences, Princeton University)

Organizing Committee

Research Institute of Petroleum Exploration and Development, PetroChina Limited Company

Princeton University

Tarim Oilfield Company, PetroChina Limited Company

Nanjing University

International Scientific Committee

Dr. **Whenzhi Zhao** (Vice-director of Research Institute of Petroleum Exploration and Development, PetroChina Limited Company)

Professor **John Suppe** (Department of Geosciences, Princeton University)

Miss **Ying Chen** (Director of Foreign Affairs, Research Institute of Petroleum Exploration and Development, PetroChina Limited Company)

Dr. **Longde Sun** (Manager of Tarim Oilfield Company, PetroChina Limited Company)

Dr. **Xinyuan Zhou** (Vice-manager of Tarim Oilfield Company, PetroChina Limited Company)

Dr. **Xinfa Chen** (Manager of Xinjiang Oilfield Company, PetroChina Limited Company)

Professor **Huafu Lu** (Department of Geosciences, Nanjing University)

Professor **Shufeng Yang** (Dean of Graduate school, Zhejiang University)

Dr. **Dengfa He** (Key Lab. of Basin Research, Research Institute of Petroleum Exploration and Development, PetroChina Limited Company)