

# GEOLOGICAL Field Trip

Tectonic Framework of Northern Pakistan  
HIMALAYAS to KARAKORAM

April 20 -25, 2018

Organised by PAPG in collaboration with  
The University of Peshawar



Affiliated with AAPG

## PRESENTERS

**Prof. Dr. M. Asif Khan ( T I )** | VC University of PESHAWAR

**Prof. Dr. Sajjad Ahmad** | University of PESHAWAR

**Prof. Dr. Nawaz Choudhry** | University of the PUNJAB

**Assoc. Prof. Dr. Asghar Ali** | University of PESHAWAR

**Prof. Dr. Hafiz ur Rehman** | Kagoshima university JAPAN

**Asst. Prof. Dr. Sajjad Ahmad** | University of PESHAWAR

## Registration Details

**"First Come First Serve Basis"**

Limited Seats are available

**PAPG Member : 20,000 Pkr**

**Students : 15,000 Pkr**

**Non Members : 25,000 Pkr**

**Intl. Expats : 400 USD**

**Deadline : March 28 2018**

## Technical Coordinator (NORTH) PAPG

**M. IRFAN KHAN**

Deputy Chief Geologist

MOL Pakistan Oil & Gas Co. B.V.

Contact: 03008528367

Mail to: irfan.uop.ik@gmail.com

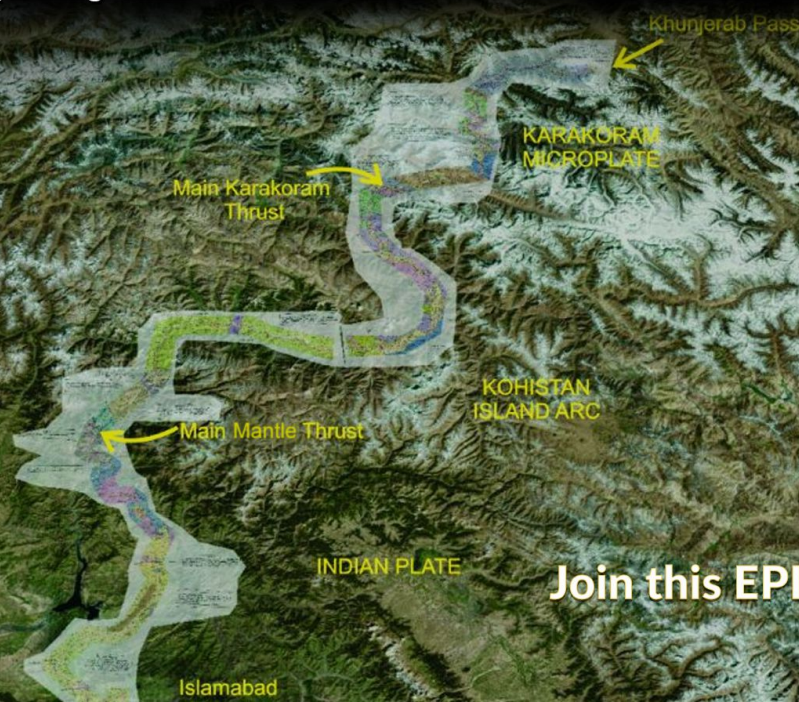


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## TRIP HIGHLIGHTS

The participants shall insight into the Sub-Himalaya, Greater Himalaya, interpolate regional faults, remnants of Neo-Tethys / Paleo-Tethys that have been respectively closed along the Main Mantle Thrust (Indus Suture Zone) and Main Karakoram Thrust, Entire Kohistan Island Arc, Main Karakoram Thrust, glaciers, lakes, Karakoram micro-plate which is the most dynamic / active plate boundaries processes, Regional shear zones, the continent ocean transitions, influence of Mantle dynamics paradigm and the role of tectonic inheritance.



Join this EPIC Adventure  
[papg.org.pk](http://papg.org.pk)



## Travel Programme / Plan

Tectonic Framework of Northern Pakistan

### Day 01

April 20, 2018 : Islamabad - Besham

**Departure** : 7 AM, Islamabad

**Stops at key outcrops** :

Main Boundary Thrust

Tanaki Conglomerate of the Abbottabad Formation

Panjtal Thrust Fault

Pre-Cambrian to Cambrian Rocks

Cambrian Mansehra Granite

Ogai Shear Zone

Thakot Shear Zone

Precambrian Besham Group Metasediments

Overnight stay at Besham

### Day 02

April 21, 2018 : Besham - Chilas

**Departure** : 7 AM, Besham

**Stops at key outcrops** :

Indian Plate Basement Rocks

The Main Mantle Thrust

Jijal Complex (Tethyan ophiolites)

3 km wide high-strain active Pattan Shear Zone

Cretaceous Kamila Amphibolite

Tertiary granite, pegmatite and aplite

Cretaceous Chilas Complex

Overnight stay at Chilas

### Day 03

April 22, 2018 : Chilas - Hunza

**Departure** : 7 AM, Chilas

**Stops at key outcrops** :

Cretaceous Chilas Complex

Raikot Fault

Raikot Hot Springs

Kohistan Arc Volcanics

Kohistan Batholith

Cretaceous Gilgit Formation

Rakaposhi Volcanic Complex

Main Karakoram Thrust

Overnight stay at Hunza

### Day 04

April 23, 2018 : Hunza - Khunjerab

**Departure** : 7 AM, Hunza

**Stops at key outcrops** :

Precambrian Baltit Group Metasediments

Karakoram Batholith

Attabad Lake

Gulmit Glacier

Gulkin Glacier

Pasu Glacier

Carboniferous Pasu Slates

Permian Gircha Formation

Permian Kilik Formation

Jurassic to Cretaceous Gujhal Dolomite

Khunjerab Granitic Belt

Permian Misgar Slate

Khunjerab Pass

Overnight stay at Hunza

### Day 05

April 24, 2018 : Hunza - Besham

**Departure** : 7 AM, Hunza

**Stops at key outcrops** :

Basha Dam Site

Overnight stay at Besham

### Day 06

April 25, 2018 : Besham - Islamabad

**Departure** : 7 AM, Besham



Modified after the published  
road map of Geological Survey of Pakistan

## Indian Plate

Markus  
Gunn, Social Security

## KOHISTAN ISLAND ARC

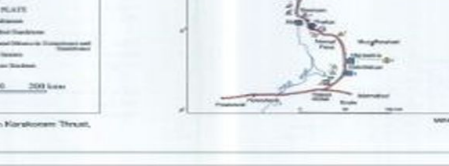
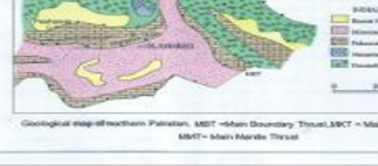
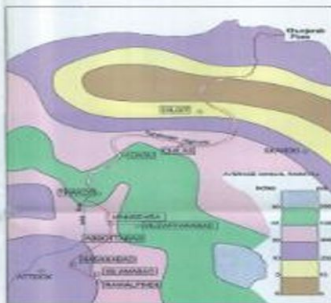
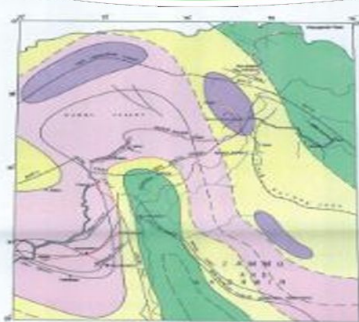
## INDO-PAKISTAN CONTINENTAL PLATE

## SYMBOLS





### CHILAS - KHUNJERAB PASS SECTION





## Registration Form

Please fill this form and send to contact person in left bar

### Fee Information

#### "First Come First Served Basis"

**PAPG Member : 20,000 Pkr**  
**Students : 15,000 Pkr**  
**Non Members : 25,000 Pkr**  
**Intl. Expats : 400 USD**

### Registration fee includes

Hotels  
Transportation  
All Meals  
Field Manual  
& HSE Related Items

### Payment Information

#### Mode of Payment

- Cash
- Cheque
- PayOrder

in Favour of  
"Pakistan Association  
of Petroleum  
Geoscientists"

#### Online Transfer

A/C#  
1739173901015860  
United Bank Ltd.  
Sector F-8, Islamabad, PK

### Contact Information

#### Contact Person

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**Muhammad Sharif**  
Cell # **0301-8158155**  
muhammad.sharif@ogdcl.com

NAME		PASTE YOUR PICTURE
TITLE		
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COMPANY/ORGANIZATION		
ADDRESS		
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PHONE #	FAX #	
EMAIL ADDRESS		
PAPG/AAPG/SPE MEMBERSHIP #		
STATUS: Professional/Student		
AMOUNT	DATED	
SIGNATURE		



**For Further Information visit**  
**papg.org.pk**

**VISA Information**

- \* International Exports to apply Tourist Visa (**No NOC Requirement**)
- \* Visa Reference Letter will be Issued upon request from PAPG by providing complete Passport details
- \* Those having business Visa, should apply for NOC to Ministry of Interior Pakistan

**For Registration / Seat Reservation/ contact:**

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