

# EAGE

## STUDENT FUND

**Report 2013**

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## Introduction

The European Association of Geoscientists & Engineers (EAGE) is a European based organisation with a worldwide focus. The Head and European Office are based in the Netherlands; the other current Regional Offices can be found in Dubai, Kuala Lumpur, Moscow and Curacao. The organisation promotes knowledge exchange and has the objective of raising worldwide public and political awareness of the vast (but often under-used) potential of Earth Sciences for improving the quality of life and safeguarding the planet. One of the goals of EAGE is to promote geosciences among students. In order to achieve these goals several activities are organised. In order to further improve and expand the activities towards students the initiative for the creation of a special EAGE Student Fund was launched in March 2008.

The following aspects are the key elements of the initiative:

- Attention for students and young people
- Sponsors to advise on strategy
- Sustainability, a long term guaranteed commitment

The logo for the EAGE Student Fund. The word "EAGE" is written in a large, bold, green serif font. Below it, the words "STUDENT FUND" are written in a white, bold, serif font, set against a solid blue rectangular background.

**EAGE**  
**STUDENT FUND**

## 1. Governance

### 1.1 Legal registration

The EAGE Student Fund (ESF) is registered as a foundation in The Netherlands. The foundation is being recognised as a charity (ANBI) and is exempt from taxation.

### 1.2 Board

The EAGE Student Fund is managed by the EAGE Student Fund Board (ESFB). For guidance on the fund's strategy and activities an EAGE Student Fund Advisory Council (ESFAC) has been introduced. The execution of all the projects is done by the administration.

### 1.3 EAGE Student Fund Board

The EAGE Student Fund Board currently consists of three members. The Board governs the legal and fiscal part of the ESF.

Board position ESF	Person
President	Mr Mahmoud Abdul-Baqi
Vice President	President EAGE
Secretary Treasurer	Secretary Treasurer EAGE

### 1.4 EAGE Student Fund Advisory Council

The EAGE Student Fund Advisory Council advises the Board of the EAGE Student Fund on the strategy and the activities it organises.

Advisory Council 2012:

Mr Mahmoud Abdul-Baqi	Chairman
Mr Henk Tijhof	Shell
Ms Florence Genete	CGGVeritas
Mr Philippe Feugere	CGGVeritas

Who can be part of the ESFAC?

- A main sponsor with a donation of at least € 100,000.- will be entitled to have a position in the advisory council. The term of membership of the advisory council is related to the amount of sponsorship, i.e. each € 50,000.- entitles for one year.
- The members of the EAGE Student Fund Advisory Council and the EAGE Student Fund Board jointly elect the chairman and vice-chairman of the EAGE Student Fund Advisory Council. Each member has one vote in this process.

### **1.5 Administration**

The administration of the EAGE Student Fund activities is done by the EAGE Head office.

### **1.6 Goal**

The goal of the EAGE Student Fund is to promote the geosciences and related engineering professions to students worldwide.

Student supported event organized by EAGE Student Chapter of Lomonosov Moscow State University



## 2. Donations

### 2.1 Introduction

The capital of the fund is collected by several types of donations:

- Company donations/sponsorships
- Individual donations given with the membership dues
- Instructors donating their fee
- EAGE donations from the annual budget surplus
- Specific scholarship donations
- Company donations for specific student activities

### 2.2 Levels of donations

For the companies donating for the structural buildup of the fund several levels of donations are defined each with their own privileges. It is possible for companies to enter into a sponsorship agreement with the EAGE Student Fund under which the sponsorship is paid in annual instalments. The value of the contract will be leading in defining the sponsor level as described hereunder.

Level	Minimum	Maximum
Platinum	€ 500,000	
Gold	€ 250,000	€ 499,000
Silver	€ 100,000	€ 249,000
Bronze	€ 50,000	€ 99,000
Other		€ 49,000

Companies donating an amount of minimum € 50,000 will be considered as a main sponsor. The validity of the recognition as a main sponsor is related to the amount donated. Each € 50,000 entitles for one year of recognition as main sponsor starting from the date of donation.

The general recognition as sponsor of the EAGE Student Fund is eternal, unless the sponsor requests to remove its name from the list. The level of general recognition as sponsor is based on its cumulative donations.

### 2.3 Recognition and privileges of sponsors

There are several ways in which the logo of the sponsor can be made visible:

- The logo appears on the EAGE Student Fund website; the portal for all the EAGE Student Fund activities.
- EAGE journal First Break has a permanent page on the EAGE Student Fund, which includes the logos of the main sponsors.
- The Programme & Catalogue of the conferences with a special student programme have a one page advert on the EAGE Student Fund with the logos of the main sponsors.
- All the main sponsors will be listed with logo in the EAGE Student Fund annual report, which is part of the EAGE annual report.
- A special brochure with the activities of the EAGE Student Fund is produced every year. The brochure will have the logos of the main sponsors.
- A main sponsor with a donation of at least € 100,000 is entitled to have a position in the advisory council. The term of membership of the advisory council is related to the amount of sponsorship, i.e. each € 50,000 entitles for one year.

### 2.4 Sponsorship overview

The following companies/organisations were main sponsor in 2013:

- Shell
- CGGVeritas
- WesternGeco



The accumulated sponsorship overview:

Platinum			> € 500,000
Gold			> € 250,000
Silver	 		> € 100,000
Bronze			> € 50,000
Others			> € 10,000
Personal donations	Andy Bell Bjorn Wygrala Enru Liu Eric Verschuur Etienne Robein Evgeny Landa Henry Calandra Ian Jones	Jack Bouska Klaus Fischer Marc Bentley Marc McLane Marcus Marsh Peter Hubral Richard Chambers Peter Nederlof	> € 500



### 3. Activities

The interest of the capital in the EAGE Student Fund will be used to support the different activities in the portfolio. Activities in the portfolio can change. The Board of the EAGE Student Fund will decide how much of the available budget will be allocated to which activity.

#### 3.1 Scholarships & Awards

##### The EAGE/SEG/Thomson/BP Scholarship

The EAGE Student Fund and SEG scholarship committees together award annually two full time student scholarships; one at a North American university and one at Heriott-Watt University, Edinburgh (UK). The level of the scholarship is set by the SEG and is based on their fund interest.

2013 winner

- Dennis Obidegwu (Heriot-Watt University)

##### Gustavo Sclocchi Award

The EAGE Student Fund, the SPE Italian Section and Assomineraria (the Italian Petroleum and Mining Industry Association) together award annually the Gustav Sclocchi Award. The target group is university and diploma graduates and Ph.D.'s in petroleum engineering and geosciences from Italian universities or by Italians studying abroad. They are entitled to submit their thesis, which must be related to Hydrocarbon and Geothermal Exploration & Production activities, for the award. The prize is a cash prize of € 2,400 for each winner, which is paid in equal parts by the organising partners.

2013 winners:

Dario Grana	Bayesian inversion methods for seismic reservoir characterization and time-lapse studies	Stanford University	PHD
Valentina Mascolo	La successione di scarpata del Giurassico superiore-Cretacico inferiore delle Malecoste (Gran Sasso, Appennino centrale): un analogo affiorante di giacimenti di idrocarburi nell'offshore Adriatico	Università di Chieti-Pescara	MSC
Ettore Biondi	Forth order NMO non-stretch through iterative partial correction and deconvolution for time and offset varying waveforms	Università di Pisa	MSC
Lorenzo Pezzola	Arctic drilling technologies	Politecnico Milano	MSC

Honorable mentions:

Maurizio Marzola	Use of Surfactants for Oil Reservoir Flooding: Lab Experiments	Politecnico Torino	MSC
Marco Lucchetti	Geological survey and three-dimensional model of the Epiligurian Succession in the Contignaco area (Salsomaggiore Terme, Parma, Northern Apennines)	Università di Parma	BSC
Alessandro Albizzati	Analysis of Organic Matter and Mineralogical Characterisation with XRD diffraction of the limit between Zorzino Limestone and Riva di Solto Shales formations (Upper Triassic, Lombardy): relation between facies and Kerogèn	Università di Milano	MSC
Marco Ferrari	Two-phase flows in vertical pipes: numerical analysis of the inverse problem applied to the two fluid model	Università di Brescia	MSC
Davide Feltracco	Dynamic multiphase kick flow model vs. Static single gas bubble kick flow model in deepwater wells	Politecnico Torino	Master
Giuseppe Rizzo	SNL/HPT – The Sound of Hydrocarbons & The Fluids Temperature. An Integrated Production Logging Approach	Politecnico Torino	Master

Ettore Biondi receiving the Gustavo Sclocchi Award 2013



### 3.2 Student Lecture Tours

Since 2005 EAGE has reached out to the student community with the EAGE Student Lecture Tour (SLT). The SLT invites Geoscience experts to give half day presentations on a current Earth Science topic to students from different disciplines and levels. EAGE then invites local Universities to host the event in their region. The EAGE Student Fund finances several student lecture tours.

#### Student Lecture Tour Europe

Topic : Basin and Petroleum Systems Modeling: Technology and Applications for Petroleum Exploration Risk and Resource Assessments

Instructor : Dr Bjorn Wygrala

Period : 2012 – 2013 (academic year)

Locations : 31

SLT at IFP School, France



### Student Lecture Tour North Africa

Topic : Gradual Change of Fossil Energies vs. Alternative Energies

Instructor : Dr Louaï Machhour

Period : 2012 – 2013 (academic year)

Locations : 1

### Student Lecture Tour Middle East

Topic : The Energy Resources in the Middle East; Yesterday, To-day and Tomorrow

Instructor : Dr Louaï Machhour and Dr Bernard Fourcade

Period : 2012 – 2013 (academic year)

Locations : 2

Topic : Seismic Imaging Fundamentals

Instructor : Dr Deva Ghosh

Period : 2012-2013 (academic year)

Locations : 1

### Student Lecture Tour Latin America

Topic : Which Energy Resources for Our Future? A Challenge for a Sustainable Development

Instructor : Prof Christian Chomat (Total Professeurs Associés)

Period : 2012 – 2013 (academic year)

Locations : 6

### Student Lecture Tour Asia Pacific

Topic : Seismic Imaging Fundamentals with Asia Region Case Studies

Instructor : Dr Deva Ghosh

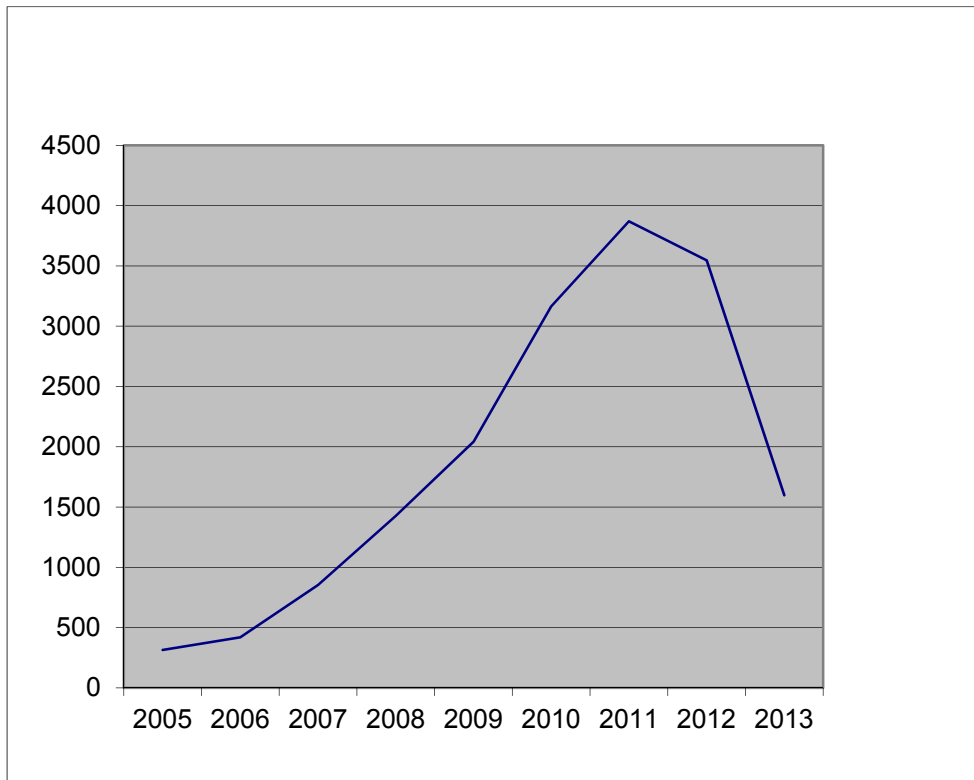
Period : 2012 – 2013

Locations : 6

Student Lecture Tour participation

	2012	2013
SLT Europe	705	929
SLT North Africa	135	100
SLT Middle East	110	86
SLT Latin America	205	87
SLT Asia Pacific	360	166
SLT Russia/CIS	847	-

SLT participant numbers per year (all regions)

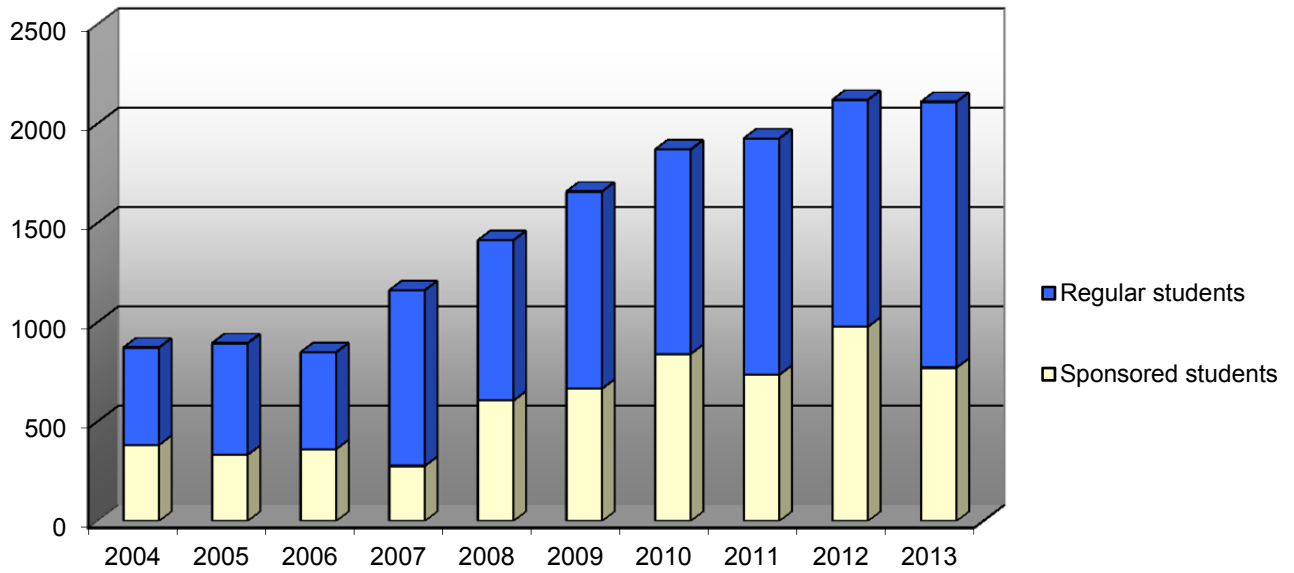


### 3.3 Student Memberships

Students in geoscience, engineering and related earth sciences can apply for a one year sponsored (free) membership.

#### Overview sponsored student members & regular student members

**Student Membership Statistics - per end of year**



### 3.4 Student Programmes at Conference

Student Programs at international conferences are an important element for the EAGE Student Fund activities. In 2013 over 600 students participated in the Student Programme 'Fast Forward' at the Annual Conference in London. The programme gave the students the opportunity to attend workshops, to go on a field trip, to participate in the EAGE Geo-Quiz and to participate in a trial interview and the Recruitment Café as a preparation on their future careers. All students with travel grants contributed either to the main Technical Programme or the Student Programme poster sessions.

FIELD Challenge 2013 jury and participants



### 3.5 Support for Student Initiatives

Student activities such as student conferences, field trips and other educational activities are supported by the EAGE Student Fund:

- Latin American Geosciences Student Conference (LAGSC), Colombia
- IGSC 2013, Germany
- Geologisch College Miölnir Congress, The Netherlands
- Serbia Field Camp, Serbia
- GAP 2013, Germany
- School of Geosciences Gradschool Conference 2013, UK

- Bucharest field trip, Romania
- Autumn field trip, Romania
- Sclocchi Award 2013

### 3.6 Student Travel Grants

Student Travel Grants are given to enable students from all over the world to travel to the Annual Conference and international conferences in the regions.

#### Annual Conference London

Travel grants have been given to 111 students to attend the Annual Conference in London in June 2013.

#### EAGE Regional Conference KazGeo 2012

Travel grants have been given to 10 students to attend KazGeo 2012 in Almaty, Kazakhstan in October 2012.

### 3.7 EAGE FIELD Challenge

In 2013 the EAGE FIELD (Fully Integrated EvaLUation and Development) Challenge has been organised for the second time. Twenty-two university teams submitted a 2000-3000 words essay on a certain topic of which six teams were elected to participate in the final during the Annual Conference in London. Unfortunately, the team from Norway and ... weren't present, which is why there were only four teams participating in the final round. In London the students had to present their analysis and proposal for a FIELD development plan for a discovered hydrocarbon resource in front of a jury. Each university team had been given the same sponsored dataset to work on. The winning team took home € 3,000; all finalist teams received 3 travel grants each to attend the Annual Conference.

University	City	Country	
The Petroleum Institute #1	Abu Dhabi	UAE	
The Petroleum Institute #2	Abu Dhabi	UAE	Finalist
The Petroleum Institute #3	Abu Dhabi	UAE	



Alexandria University	Alexandria	Egypt	
University of Bucharest	Bucharest	Romania	
University of Petroleum and energy studies	Dehra Dun	India	
Indian School of Mines Dhanbad #1	Dhanbad	India	
Indian School of Mines Dhanbad #2	Dhanbad	India	
Indian School of Mines Dhanbad #3	Dhanbad	India	
Indian School of Mines Dhanbad #4	Dhanbad	India	
Heriot Watt University	Dubai	UAE	Winner
Pandit Deendayal Petroleum University #1	Gandhinager	India	
Pandit Deendayal Petroleum University #2	Gandhinager	India	
Pandit Deendayal Petroleum University #3	Gandhinager	India	Finalist
NED University of Engineering and technology #1	Karachi	Pakistan	
NED University of Engineering and technology #2	Karachi	Pakistan	
NED University of Engineering and technology #3	Karachi	Pakistan	
Indian Institute of Technology Kharagpur	Kharagpur	India	
Taras Shechenko National of Kiev #1	Kiev	Ukraine	
Taras Shechenko National University of Kiev #2	Kiev	Ukraine	
Islamic Azad University, Omidieh branch	Omedieh, Kozestan	Iran	
Perm State University	Perm	Russia	
University of Pune	Pune	India	Finalist
IFP School	Rueil-Malmaison	France	Finalist
University of Mining and Geology. St. Ivan Rilski	Sofia	Bulgaria	
University of Tehran	Tehran	Iran	
Norwegian University of Science and Technology	Trondheim	Norway	Finalist

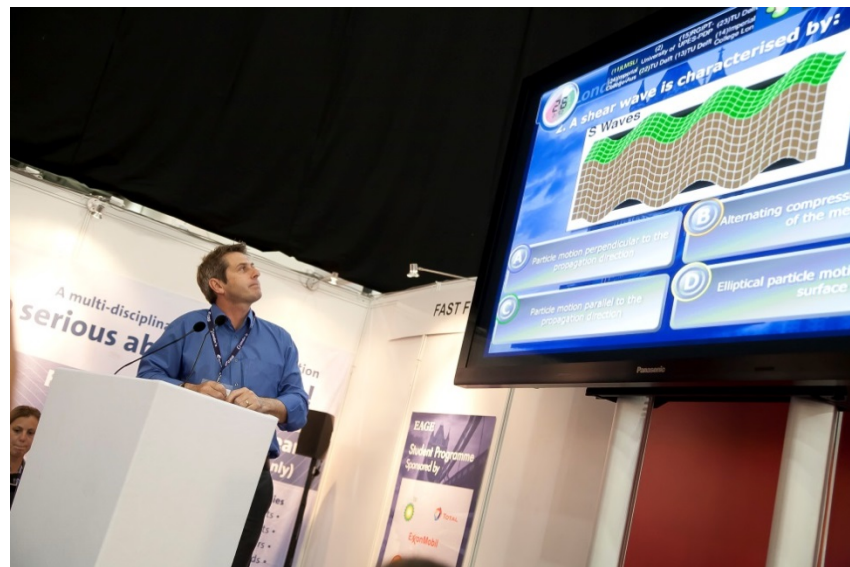
### 3.8 Geophysics Boot Camp

The first edition of the Geophysics Boot Camp was organised in 2011 to address the needs of academia and industry. The goal of the Geophysics Boot Camp is to provide students and young professionals with practical “hands-on” experience in carrying out different aspects of geophysical operations in an active oilfield. The participants will practice the use of different geophysical techniques including reflection and refraction seismic, gravity and ground-penetrating radar. Participants will be divided into teams in order to rotate between ‘hands-on’ tasks of survey installation, data acquisition and quality control, all with a variety of geophysical platforms and technologies. These geophysical observations will be consolidated into an integrated interpretation of the field. The Geophysics Boot Camp will enable participants to put classroom theory into operational and oil-field practice. It is a great opportunity for those who have not yet been in the field, or wish to have the experience of geophysical data acquisition. The second edition will take place in Emlichheim from 30 March - 05 April 2014.

### 3.9 Student Chapters

EAGE has 25 active Student Chapters, from Calgary, Canada to Novosibirsk, Russia. EAGE Student Chapters provide a platform for geoscience students to meet, exchange ideas and initiate activities supported by the EAGE. A Student Chapter starts with 15 students from one university or region, a faculty advisor who is EAGE member and at least one (local) sponsor. More students can then join throughout the year, participating in the growth of the chapter and the increase in activities. An EAGE Student Chapter offers ten free memberships to students. Furthermore, the Chapter offers participation in the online Geo-Quiz competition which can lead to full travel support to the Annual Conference for 3 members of a Local Chapter, financial support for local EAGE student events, the opportunity to publish in EAGE flagship scientific magazine *First Break* and the opportunity to host Student Lecture Tours. In 2013 the winning teams of the Geo-quiz competition were Heriot-Watt University (UK), Lomonosov Moscow State University (Russia), and Free University Berlin (Germany).

BBC star and professor Iain Stewart as EAGE Quizmaster at London '13



## 4. Additional information

### 4.1 Calendar of events 2014

Highlights (until now):

19 – 22 January	Student Conference Programme IPTC – Doha, Qatar
09 – 12 March	Student Conference Programme GEO 2014 – Manama, Bahrain
30 March – 5 April	Geoscience Boot Camp 2014, Emlicheim, Germany
29 May – 1 June	Student Support Event 'GAP' (Geophysical Activity Programme) – Kiel, Germany
16 – 19 June	Student Conference Programme 'Create Your Energy' – Amsterdam, The Netherlands
01 – 18 July	Student Support Event LMSU - 2014 Sumer Field Practice at White Sea Biological Station
14 – 16 August	Student Conference Programme CAG25 – Dar es Salaam, Tanzania
tbc	Student Support Event GradSchool Conference – Edinburgh, United Kingdom
tbc	Student Support Event LAGSC – Mexico

Student Lecture Tours scheduled for 2014:

#### Student Lecture Tour Europe

Topic	How to Manage Fractured Reservoir Modelling?
Instructors	Bertrand Gauthier (senior reservoir geologist), Sylvie Grimaud (head of higher education relations) and Olivier Gosselin (professor of petroleum engineering)
Period	2013 – 2014 (academic year)
Locations	~ 20 in 2014
Offered by	EAGE Student Fund and Total

### Student Lecture Tour North Africa

Topic Basin and Petroleum Systems Modeling: Technology and Application for Petroleum Exploration Risk and Resource Assessments

Instructor Dr Bjorn Wygrala (Schlumberger)

Period 2013 – 2014 (academic year)

Locations ~8 in 2014

Offered by EAGE Student Fund and Schlumberger

### Student Lecture Tour Middle East

Topic Basin and Petroleum Systems Modeling: Technology and Application for Petroleum Exploration Risk and Resource Assessments

Instructor Dr Bjorn Wygrala (Schlumberger)

Period 2013 – 2014 (academic year)

Locations ~8 in 2014

Offered by EAGE Student Fund and Schlumberger

### Student Lecture Tour Latin America

Topic Basin and Petroleum Systems Modeling: Technology and Application for Petroleum Exploration Risk and Resource Assessments

Instructor Dr Bjorn Wygrala (Schlumberger)

Period 2013 – 2014 (academic year)

Locations ~15 in 2014

Offered by EAGE Student Fund and Schlumberger

### Student Lecture Tour Asia Pacific

Topic Petrophysics of Fractured Granite Basement Reservoir  
Instructor Dr Pham Huy Giao (Asian Institute of Technology)  
Period 2013 – 2014 (academic year)  
Locations ~10 in 2014  
Offered by EAGE Student Fund

### Student Lecture Tour Russia/CIS

Topic The Power of 3D Modelling for Enhanced Reservoir Understanding and Decision Making: How it Started, Where Technology is Today, and New Modelling Frontiers  
Instructor Gennady Sarkisov (Roxar Services, Moscow)  
Period 2014  
Locations ~10  
Offered by EAGE Student Fund and Roxar Services AS

More Student Lecture Tours are in the pipeline for 2014.

2013 London Student Programme “Fast Forward

