

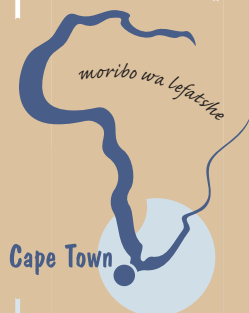
## 2<sup>nd</sup> CIRCULAR

International Association of Seismology  
and Physics of the Earth's Interior

# IASPEI



## General Assembly 2009



**10–16 January 2009**  
**Cape Town, South Africa**



**Council for Geoscience**

# INFORMATION CIRCULAR ON THE 2009 IASPEI SYMPOSIUM, 10–16 January 2009

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## 1. Introduction

The Council for Geoscience (CGS) cordially invites you to attend the first IASPEI general assembly to be held on the African continent in Cape Town, South Africa from 10 to 16 January 2009. The assembly will take place at the well-equipped Cape Town International Convention Centre, located in the heart of Cape Town. The general assembly will be followed by a Summer Training school from 19-24 January 2009 and will take place at the Ritz Hotel.

The African plate exhibits three main types of seismicity, strongly related to its long and complex geological history dating back some 3,7 billion years:

- Intraplate – with its low level of seismic activity randomly distributed in space and time;
- Continental rifting – associated with the East African Rift System; and
- Induced – associated with large reservoirs and deep mining, such as the gold mining operations found in some areas on the Kaapvaal Craton. (The Kaapvaal Craton, particularly South Africa, boasts a geological record that is characterized by an almost complete geochronological succession of events that can be traced without major interruptions from the Archaean up to Recent times.)

IASPEI 2009 provides an ideal platform for geoscientists across the world to discuss these seismological topics.

## 2. Letter of invitation from the chair of the Local Organizing Committee

*Dear Colleagues*

*On behalf of the local organizing committee (LOC), it is my distinct pleasure and honour to invite you to the IASPEI 2009 general assembly in Cape Town.*

*Moribo wa lefatshe — rhythm of the Earth, incorporates the essence of this general assembly, which boasts a wide scientific programme with topics such as Induced Seismicity, Tsunamis in Africa, the East African Rift System, Geochemical signatures of diamond fields, Geophysical anomalies and Earthquake prediction, to name just a few. Attendees will have the opportunity to choose from more than 30 scientific sessions, discussion panels and working group meetings in which they will be able to participate.*

*The LOC hopes that this general assembly, like all IASPEI general assemblies, will attract a wide variety of leading scientists, educators and students from the commercial, academic and government sectors within a number of different countries.*

*Not only will delegates have an opportunity to attend the various topics within the scientific programme, as well as a variety of social and scientific tours before, during and after the general assembly, but young scientists in particular are also invited to spend the week following the general assembly with some top scientists at the summer school.*

*The LOC hopes to be able to welcome you to the mother city of South Africa for the first IASPEI General Assembly to be held on the African continent. The successful participation of a large number of attendees will certainly be an apt reward for the tremendous work of the members of the LOC and other committees and staff of the Council for Geoscience who organized this event and put the scientific programme together.*

*Please join us in Cape Town from 10 to 16 January 2009!*

*Gerhard Graham  
Chairman of the LOC*

### 3. Members of the LOC

Dr G Graham (Chairperson)	South Africa
Ms M Grobbelaar (Coordinator)	South Africa
Ms L Brink (Secretary)	South Africa
Mr JD Botha	South Africa
Mr E Bungare	Zimbabwe
Dr A Cichowicz	South Africa
Ms J Cole	South Africa
Dr E Daudi	Mozambique
Mr C de Beer	South Africa
Mr E de Kock	South Africa
Prof. P Dirks	South Africa
Mr D Hutchins	Namibia
Mr M Lekotoko	South Africa
Dr L Linzer	South Africa
Ms N Mdluli Jacha	South Africa
Ms J van Wyk	South Africa

### 4. Members of the Scientific Committee

A Ayele	G Houseman	P Richards
D Benouar	K Irikura	D Roberts
A Cichowicz	D Jackson	B Romanowicz
C Clauser	I Jackson	B Roubhan
S Cloeting	M-J Jimenez	S Roy
P Davis	A Jones	L Rybach
J de Beer	M Jones	J Safanda
J Dewey	H Kawase	K Satake
P Dirks	M Kendall	H Sato
A do Nascimento	A Kijko	M Shinohara
R Durrheim	H Kumagai	F Simon
ER Engdahl	S Lasocki	R Stephen
F Favali	T Lay	E Stettler
K Furlong	A le Roex	D Storchak
M Ghafory-Ashtiany	R Musson	G Suarez
D Giardini	J Neuberg	J Taber
G Gibson	A Nyblade	A Tankard
WD Gosnold	G Papadopoulos	S Tinti
G Graham	Y Popov	G van Aswegen
M Grobbelaar	A Rabinovich	S Webb
H Gupta	N Rawlinson	R Woodward
J Gurney	C Reeves	Z Wu
C Hartnady	D Rhoades	A Zavyalov
J Hlatywayo	S Riad	

### 5. Members of the IASPEI bureau

Z Wu (China)	President
GA Houseman (UK)	First Vice-President
I Jackson (Australia)	Second Vice-President
P Suhadolc (Italy)	Secretary-General/Treasurer

## 6. Members of the IASPEI executive

President: Z Wu (China)  
GA Houseman (UK)  
I Jackson (Australia)  
P Suhadolc (Italy)  
IT Kukkonen (Finland)  
T Lay (USA)  
M Assumpcao (Brazil)  
K Satake (Japan)  
Past President: ER Engdahl (USA)

## 7. Registration information

Separate fees will be charged for field trips and selected short courses.

Lunch tickets will be available at a discounted rate.

### 7.1 Registration rates

	Early bird registration and payment before 30 September 2008	Registration after 30 September 2008
Delegate	USD 300	USD 400
Exhibitor	USD 1200	N/A
Student	USD 200	USD 260
Spouse	USD 240	USD 240

***Students must submit documentary evidence of being enrolled at an educational institution in the year 2008/9.***

#### 7.1.1 IASPEI 2009 delegate fees

These fees include the following:

- Delegate bag and name tag;
- Access to scientific sessions and exhibitions, general assembly documents and publications;
- Coffee/tea breaks;
- Opening and closing ceremonies;
- Icebreaker cocktail;
- Transportation from selected hotels to the general assembly venue.

### 7.1.2 *Spouse fees*

These fees include the following:

- Delegate bag and name tag;
- Coffee/tea breaks;
- Opening and closing ceremonies;
- Icebreaker cocktail;
- Transportation from selected hotels to the general assembly venue.
- Participation within the daily "Spouse's programme"

### 7.1.3 *Exhibitors' fees*

These fees include the following:

- Delegate bag and name tag;
- One stand, one table, two chairs, power points, spot lights, registration for two representatives. Additional representatives should register separately.
- Coffee/tea breaks;
- Opening and closing ceremonies;
- Icebreaker cocktail;
- Transportation from selected hotels to the general assembly venue.

## 7.2 *Registration form*

Delegates and exhibitors may register for the IASPEI conference either by completing the registration form on the website, <http://www.iaspei2009sa.com> or by **filling in the registration form below** and submitting it to

Ms Michelle Grobbelaar  
Council for Geoscience  
Private Bag X112  
Pretoria  
0001  
South Africa

Alternatively, the form may be faxed to: +27 86 617 5939

### 7.2.1 Delegates

Delegates are required to fill in the following registration form:

<b>IASPEI 2009 Registration form for delegates</b>		
<b>In the event of any difficulties, please contact:</b>		
Lekgotla Africa Events & Conferences Lenor on <a href="mailto:lenor@nl.co.za">lenor@nl.co.za</a> or Derek on <a href="mailto:dnn@telkomsa.net">dnn@telkomsa.net</a> . Tel: +27 12 663 5854		
Please complete all fields marked (*), as they are essential for your registration.		
<b>Correspondence details</b>		
Title (Prof./Dr/Mr/Mrs/Ms)	*	
Surname	*	
First name	*	
Company/institution	*	
Postal address	*	
Zip code/postal code and city/state	*	
Country	*	
E-mail	*	
Mobile phone including country code		
Telephone including country code	*	
Fax including country code		
Specific dietary requirements	*	
Number of lunch tickets		
Student number	*	
University	*	



### 7.3 Exhibitors

Exhibitors are required to fill in the following registration form:

<b>IASPEI 2009 Registration form for exhibitors</b>	
In the event of any difficulties, please contact:	
Lekgotla Africa Events & Conferences Lenor on <a href="mailto:lenor@nl.co.za">lenor@nl.co.za</a> or Derek on <a href="mailto:dnn@telkomsa.net">dnn@telkomsa.net</a> . Tel: +27 12 663 5854	
Company name	
Company address	
Company information	
<b>Contact person</b>	
<b>Surname</b>	
<b>Company Web address</b>	
<b>Position</b>	
<b>Email Address</b>	
<b>Contact number</b>	
<b>City</b>	
<b>State/Province</b>	
<b>Country</b>	
<b>Representative # 1</b>	
<b>First Name</b>	
<b>Surname</b>	
<b>Email address</b>	
<b>Representative # 2</b>	
<b>First Name</b>	
<b>Surname</b>	
<b>Email address</b>	

### 7.3 Payment of registration

Please note that payment of registration must accompany all registrations. No registration will be confirmed until payment has been received. Payment should be made in US dollars and in advance by:

**SWIFT electronic funds transfer to:**

Branch code: 012645  
Bank: Standard Bank South Africa  
Swift Address: SBZAZA  
Account number: 676 058 604  
Account name: Lekgotla Africa Events & Conferences

Bank payments should be free of any bank charges to the conference.

You may make payments to the above account by bank transfer.

All participants will receive an email confirmation/receipt of acceptance of registration.

Delegates who register before 30 September 2008 will receive a 25% early bird discount.

#### **7.4 Cancellation and refund policy**

If a registrant is unable to attend the conference, the IASPEI Local Organizing Committee Secretariat should be notified in writing.

All cancellations will be accompanied by a \$30 administrative charge which will be deducted from the refund or collected from the Registrant.

Refunds will be made as follows:

- Registration cancellations received on or before the 30th September 2008 will receive a 100% refund;
- Registration cancellations received from 1 October to 1 December 2008 will receive a 50% refund;
- Registration cancellations received after 1 December 2008 will NOT receive a refund.
- Refunds will NOT be made for no-shows.

#### **IASPEI is NOT responsible for South African Postal Service mail or electronic mail failures.**

- Refunds will be made by means of the same method as payment was made. i.e. bank transfers will be refunded to the same bank account or credited card payments will be reversed to the same credit card. Transaction fees will be charged to the recipient.
- If a registrant is unable to attend an event for any reason they may substitute, by arrangement with the registrar, someone else from the same institute/organization; however, such a substitution will be for the registrant's own cost.

#### **Disclaimer**

All reasonable endeavours will be made to hold the IASPEI 2009 General Assembly and to present the printed programme as scheduled under circumstances which assure the comfort and safety of the general assembly participants. However, neither the IASPEI 2009 local organizing committee nor any of its branches, nor their officers, employees, representatives or agents, will assume any liability whatsoever in respect of any person as a result of any cancellation of the general assembly or any of the arrangements, programmes or plans connected therewith or any loss, injury, damage or inconvenience whatsoever and howsoever incurred by any person while travelling to or from, or during such person's presence in South Africa in connection with the general assembly. Participants are advised to consider procuring their own insurance against any such occurrences. Views and opinions expressed by speakers at the General Assembly are those of the speakers themselves unless they act in a duly authorized capacity to represent IASPEI.

#### **7.5 Hotel accommodation**

Special rates for conference attendees have been secured at various hotels. Depending on the star rating of the hotel, delegates can expect to pay the following rates:

Star rating	Rates
5 Star Single Room Double Room	R2 263 p/person R2 524 p/person
4 Star Single Room Double Room	R990 - R2 210 p/person R990 - R2 670 p/person
3 Star Single Room Double Room	R750 - R1 300 p/person R900 - R1 436 p/person

Please note:

**Prices as quoted are subject to availability in booking classes as specified and may change without prior notice. Bookings are provisional and will only be confirmed on receipt of full payment. Prices are calculated on date of payment**

To book accommodation, please send a fax/email to:  
Lekgotla Africa Events & Conferences  
Lenor on [lenor@nl.co.za](mailto:lenor@nl.co.za) or  
Derek on [dnn@telkomsa.net](mailto:dnn@telkomsa.net).  
Tel: +27 12 663 5854  
with the following information:

- 1 Full name
- 2 Contact details
- 3 Type of hotel (star rating)
- 4 Number of people
- 5 Dates of stay

A quotation will then be sent to you and you will be notified as to your booking status.

Cancellation/partial reduction of accommodation/room nights received after the 1st of December 2008 may be subject to a penalty to be applied by the hotel. This penalty will be at the hotel's sole discretion, their decision will be final and no correspondence will be entered into regarding their decision on whether to refund the accommodation costs.

In the event of a no-show, the hotel accommodation will be cancelled after one night.

## **7.6 Car rentals and flight reservations**

### **7.6.1 Car rentals**

The prices of car rentals vary from R250 p/day for a Group A car to R 1400.00 p/day for a Group J car.

To book a car, please send a fax/email to:  
Lekgotla Africa Events & Conferences  
Lenor on [lenor@nl.co.za](mailto:lenor@nl.co.za) or  
Derek on [dnn@telkomsa.net](mailto:dnn@telkomsa.net).  
Tel: +27 12 663 5854

Please include the following information:

Full name  
Contact details  
Type of car  
Dates required

A quotation will then be sent to you and you will be notified as to your booking status.

#### *7.6.2 Flight reservations*

To reserve a flight, please send a fax/email to:

Lekgotla Africa Events & Conferences

Lenor on [lenor@nl.co.za](mailto:lenor@nl.co.za) or

Derek on [dnn@telkomsa.net](mailto:dnn@telkomsa.net).

Tel: +27 12 663 5854

with the following information:

Full name  
Contact details  
Country of departure  
Closest international airport  
Number of people  
Class of travel (Economy, Business or First class)  
Dates required

A quotation will then be sent to you and you will be notified as to your booking status.

## **8. Scientific and social tours**

### **8.1 Tours and excursions**

There are a wide range of scientific and social tours available from which delegates are invited to choose. All prices are subject to change.

### 8.1.1 Scientific tours

Tour	Dates	Approximate cost
<p><b>Mining tour</b> This scientific tour will focus on mine-induced seismicity. The tour will last 2 days and will start in Cape Town on 19 January 2009 (the Monday following the 2009 IASPEI General Assembly).</p> <p>You will be briefed on the monitoring and processing aspects of seismic monitoring in mines. When underground in the mines, seismologists and rock engineers will show the participants various aspects of seismicity in deep-level underground mines and will brief them on rock engineering aspects of seismic monitoring in mines.</p>	19-20 January 2009	R4 000p/person
<p><b>Lesotho Highlands</b> The Lesotho experience is unique. Soaring mountains beckon, skies overwhelm, the water runs wild and deep. Whether under thick snow or the scorching sun, Lesotho is a beautiful and challenging environment. Experience a country which must have given birth to the very spirit of adventure and excitement. Be one of a few people who will be accompanied by guides who have been involved in the Lesotho Highlands Water Project since its inception to enlighten you about the experiences of the people of Lesotho in light of the project. See the impact of the seismic activities have had on the project. See and experience places many people never have the opportunity of seeing or experiencing. You will go home with first-hand experience, information, and knowledge on all the aspects of the Lesotho Highlands Water Project.</p>	19-24 January 2009	R10 000p/person
<p><b>Impact Crater Tour</b> This two-day field trip will take you to two of South Africa's meteorite impact sites, firstly the relatively small, but spectacular Tswaing Meteorite Crater about 40 km north of Pretoria, and later the Vredefort Meteorite Impact Structure (also known as the Vredefort Dome) some 110 km southwest of Johannesburg, the oldest and largest-known impact site on earth, part of which is a World Heritage Site. The field trip will begin and end in Sandton in northern Johannesburg.</p>	21-22 January 2009	R3 500p/person
<p><b>Cape Fold Belt</b> Gondwana Stratigraphy, Structure and Seismicity in the syntaxis and southern branch of the Cape Fold Belt.</p> <p>This experience offers an all-inclusive five-day tour in luxury transport from Cape Town eastwards across the scenic Cape Fold Belt (CFB). The route will traverse the syntaxis at Ceres and continue via Matjiesfontein, across the southern branch of the Cape Fold Belt, to the Mesozoic Gondwana rift basin at Oudtshoorn. Specialist guides will explain the link between crustal structure, Gondwana basins, their fill and tectonic settings, deformation by the Permo-Triassic Cape Orogeny, and their fragmentation during the Gondwana break up in the Mesozoic. The sites of the only two large (<math>M &gt; 6</math>) earthquakes experienced since European settlement will be visited and attention given to characteristics of seismicity in the area. Sites of Quaternary reactivation of a 700-km-long Mesozoic fault system will be visited.</p>	5-9 January 2009	R9000p/person

### **8.1.2 Social tours**

In addition to the above scientific tours, a number of social tours through the Wine Route, to Table Mountain, and to Robben Island are offered. There will also be tours to a mine, the Kruger National Park, the Garden Route and Cape Point. In addition there will be a cultural tour of Cape Town.

To book a tour, please send a fax/email to:

Lekgotla Africa Events & Conferences

Lenor on [lenor@nl.co.za](mailto:lenor@nl.co.za) or

Derek on [dnn@telkomsa.net](mailto:dnn@telkomsa.net).

Tel: +27 12 663 5854

with the following information:

Full name

Contact details

Tour

Number of people

Date of tour

A quotation will then be sent to you and you will be notified as to your booking status.

## **9. Social programme**

A programme of social events for delegates will be included in the official programme issued on arrival.

### **9.1 Icebreaker Party**

Sunday 11 January 2009 at 18.30:

Venue: Lagoon Beach Hotel

Price: Included in registration

All delegates and exhibitors are invited to the get-together Icebreaker party on the Sunday before the start of the IASPEI 2009 General Assembly. After a cheerful welcome from the *Kaapse Klopse*, you are invited to enjoy a drink and snacks and reunite with colleagues from all over the world while watching the sun set over the historic Robben Island and Atlantic Ocean. The icebreaker will be held on the pool deck of the Lagoon Beach Hotel, a modern, world-class hotel with unrivaled views of Table Mountain, Robben Island, the Victoria and Alfred Waterfront and the Atlantic Ocean. The Lagoon Beach Hotel is situated on the beach at Milnerton, Cape Town, South Africa and is the only hotel in Cape Town enjoying direct beach access. Transportation to and from this idyllic venue will be arranged from designated departure points. Don't miss out!!

### **9.2 Opening Ceremony**

Monday 12 January 2009 at 15.00

Venue: Cape Town International Convention Centre

Price: Included in registration fee

The Opening Ceremony of the IASPEI 2009 General Assembly will take place in Auditorium II of the Cape Town International Convention Centre (CTICC) and is open to all participants and exhibitors. This will be the Grand Opening of the General Assembly with welcome speeches and

spectacular stage events. Directly after the Opening Ceremony there will be a small cocktail function.

### **9.3 Wine tastings (subject to availability)**

Tuesday 13 January 2009, Wednesday 14 January 2009 at 17:30  
Venue: Cape Town International Convention Centre

These tastings will provide delegates with the opportunity to unwind at the end of the day and to continue discussions initiated during the sessions. Thus, all participants **and exhibitors are invited to daily wine tastings hosted in the exhibitors' area**. Please feel free to taste some of South Africa's finest wines.

### **9.4 Gala dinner**

Thursday 15 January 2009 at 19.00  
Venue: Moyo at Spier  
Price: USD50

All participants and exhibitors are invited to an unparalleled dining experience under the starlit African sky, in a lush garden setting at the historical wine farm, "Spier", in the Western Cape Winelands. At Moyo, Bedouin tents and Gazebos are placed throughout the garden to recreate the spirit of a nomadic African Village. The buffet, spanning an incredible 25 m, will offer local delicacies such as freshly cooked potjies, tagines and grilled meats filling the air with aromas of cumin, paprika and rosemary. The aim and design of the buffet is to create individual African gastronomic experience, experimenting with the tastes and flavours of Africa. Face painting and traditional African performers will add to the ambiance making this evening an experience not to be missed!!! Transportation to and from this mesmerizing venue will be arranged from designated departure points.

### **9.5 Closing Ceremony**

Friday 16 January 2009 at 14.00  
Price: Included in registration fee

The Closing Ceremony of the IASPEI 2009 General Assembly will take place in Auditorium II of the Cape Town International Convention Centre (CTICC) and is open to all participants and exhibitors. The event will be followed by a potstilled brandy tasting at 15:00.

### **9.6 Potstilled brandy tasting**

Friday 16 January 2009 at 15:00  
Price: Included in registration fee

All participants and exhibitors are invited to the pot-stilled brandy tasting held in the exhibitors' area after the closing ceremony. This is an ideal way to bring the IASPEI 2009 General Assembly to a close. Please feel free to taste some South African brandy before you leave for home.

## **10. Submission of abstracts**

### **10.1 Deadline for the submission of abstracts**

The deadline for Geohost applications (please refer to paragraph 11 below), including abstracts, is 30 July 2008.

Abstracts must be submitted by 30 September 2008, and notification of acceptance will be sent by 10 December 2008. You may upload your abstract directly onto [www.iaspei2009sa.com](http://www.iaspei2009sa.com) or alternatively, you may email your abstract to [iaspei2009@geoscience.org.za](mailto:iaspei2009@geoscience.org.za) before the deadline.

## 10.2 Overview

All accepted abstracts will be made available on CD-ROM and handed out to delegates at the conference. In addition, a booklet of the abstracts of the papers and authors' biographies will be printed and handed out to delegates at the conference.

Fifteen (15) minutes will be allocated to each presentation, with an additional 5 minutes for the introduction and for discussion. Only digital presentations, preferably in PowerPoint format, will be accommodated. Posters will be displayed on single-sided panels approximately 1 m wide x 1.5 m high. The abstract format is the same for oral and poster papers, and for papers presented at the workshops.

## 10.3 Guidelines for the submission of abstracts

You are requested to submit your abstract as a PDF document. The document will NOT be reformatted for publication. To ensure consistency, you are provided with the accompanying MS Word template ([IASPEI2009 template.doc](#)), a copy of which is provided below. You are advised to back up and print the template prior to commencing your abstract, since additional information is included within the template file.

## 10.4 Abstract template

**Title field - highlight this text and replace with your title**

**1st Author's Name<sup>1</sup>, 2nd Author's Name<sup>2</sup>, 3rd Author's Name<sup>3</sup>**

1. Affiliation, Country, E-mail Address
2. Affiliation, Country, E-mail Address
3. Affiliation, Country, E-mail Address

### **ABSTRACT**

The abstract is a short, informative abstract of no more than 500 words. References should not be cited. The abstract should not simply list the topics covered in the paper, but should (1) state the scope and principal objectives of the research, (2) describe the methods used, (3) summarise the results, and (4) state the principal conclusions.

Text of the abstract should be **10pt Times New Roman font**, single-spaced and fully justified. A single line space should be left below the title 'ABSTRACT'. Simply highlight this descriptive text and replace with the words of your abstract. Leave a single line space above the key words listed below.

**Key words:** 1 to 5 key words in **10pt Times New Roman**, separated by commas; these will assist in the cross-indexing of the article.

### **PRESENTER'S BIOGRAPHY**

A brief personal profile (approximately 150 words) of the presenting author.

Again use, **10pt Times New Roman font**.



## 10.5 Use of the template

The above template document serves two purposes. Firstly, it illustrates the required formatting for your abstract. It is therefore a useful starting point to produce your abstract, as most of the formatting requirements have been included. The basic approach for each section (e.g. title, author's name, affiliation, abstract....) is to highlight the relevant text and then type or copy in your replacement words. Secondly, the template provides detailed instructions in respect of the required content and order of the different sections of the abstract. However, if you wish, it is possible for you to construct a document from scratch, using the font sizes and styles specified for each part of the document and we include here the necessary instructions required to produce your short paper in this manner (see paragraph 8.6).

## 10.6 Writing your abstract

The abstract should reflect work that has actually been completed at the time of submission, not plans or ideas that are still taking shape. The short paper should concentrate on the essential information of the paper to be presented.

### Length

As a guide, it is expected that the abstract will be 500 words in length.

### Layout

<b>Page size:</b>	A4 Portrait
<b>Margins:</b>	Left: 2 cm
	Right: 2 cm
	Top: 2.54 cm
	Bottom: 2.54 cm
<b>Page numbers:</b>	Unnumbered
<b>Footer / Headers:</b>	None

**Title:** 16pt Arial Bold font, centred followed by two line spacings. The title of the abstract should be short and relevant. Do NOT use uncommon abbreviations. Use proper syntax. ONLY the first word and proper names are capitalized. Do NOT include a full stop.

**Author and co-authors:** 12pt Arial centred, with the name of the presenting author in bold. Author and all co-authors names in one line followed by a line space. Include only contributors who take intellectual responsibility for the work being presented. The author list should NOT be used in lieu of an acknowledgment section. A maximum of 6 co-authors is allowed.

**Affiliation, address etc.:** 10pt Arial, centred. Give each authors' affiliations, countries of residence and e-mail addresses on separate lines. No spacing between the lines, followed by two line spacings.

**Abstract:** 10pt Times New Roman, maximum half-page.

### PRESENTER'S BIOGRAPHY

Construct a brief personal profile (approximately 150 words) of the presenting author. Again, use **10pt Times New Roman font** with the author's name as a header, left justified, in 10pt Times New Roman bold.

### 10.6.1 Summary of important points

#### **DEADLINE FOR SUBMISSION OF ABSTRACT: 30 September 2008.**

Acceptance notification will be sent 10 December 2008.

Author details should include only the author's name, affiliation, country of residence and e-mail address. Include only those authors who take intellectual responsibility for the work being reported. The presenting author should be indicated by use of bold font. A brief presenter's biography (approximately 150 words) of the presenting author is to be submitted in a separate paragraph below the abstract.

Abstracts will be assessed, and published on CD, in the form submitted. Authors should take care to check for spelling, grammatical and technical errors.

### 10.6.2 Submission

Once the abstract and presenting author's profile are complete, save the files as one PDF document. Please include your initials in the filenames (e.g. ABCabstract.pdf). Submit the abstract via the website, [www.iaspei2009sa.com](http://www.iaspei2009sa.com) or e-mail it to [iaspei2009.geoscience.org.za](mailto:iaspei2009.geoscience.org.za). If you intend sending your abstract via email, please include the following information in the main message of your e-mail:

- Indicate the scientific topic under which the paper/poster may be classified.
- Indicate the name of the corresponding author and his/her full contact details (including address, phone, fax and email address).
- Indicate whether the abstract is to be considered for oral or poster presentation, or for one of the workshops.

### 10.7 Copyright

Abstracts submitted to the General Assembly should be original contributions and should NOT be under consideration for any other publication. Authors submitting short papers warrant that the work is not an infringement of any existing copyright and will indemnify the Conference Organizers against any breach of such warranty.

## 11. GeoHost application information

### 11.1 Geohost financial assistance programme

The Geohost Programme is a financial support programme aiming to assist individual scientists and students mainly from developing countries within Africa to attend the General Assembly by partially subsidizing their expenses.

Each applicant intending to avail him/herself of the Geohost Programme may request a subsidy for one or more of the following:

- Registration fee for the General Assembly;
- Registration fee for the Summer school;
- Subsidized accommodation during the General Assembly;
- Subsidized accommodation during the Summer school;
- Flight to and from South Africa;
- Daily allowance.

## 11.2 Selection criteria

Applicants will be selected according to the following criteria:

- Submitted abstract;
- Scientific qualifications;
- Financial need, as documented in a letter from the supervisor or chairperson, including the supervisor's assessment of: the applicant's qualifications, how the applicant's attendance at the general assembly will benefit his/her home institution, the possibilities of the applicant receiving support from his/her home institution or country;
- Financial need, as documented in a letter from the applicant, and
- Extra financial support received from other sources.
- Priority will be given to young (<35 years) African scientists and graduate students with proven academic attainments.

Financial support will be provided for candidates who comply with the specific criteria as set out above. Any financial support provided by the GeoHost committee will be **at their sole discretion**, and based on the above-mentioned criteria and the availability of funding. The decision of the committee will be final and no correspondence will be entered into regarding their decision or the criteria.

## 11.3 Application procedure

Anyone planning to apply for assistance via the Geohost Programme must complete and submit the Geohost application form online NO LATER THAN **30 July 2008**. Only applicants who have submitted an accepted oral or poster presentation will be considered for the programme.

Applicants experiencing problems submitting their applications should download the form from [www.iaspei2009sa.com/financial.asp](http://www.iaspei2009sa.com/financial.asp) and either email or fax it to:

Alternatively, fill in the form below (Geohost application form – **9.3.1**) and email/fax it to:

Michelle Grobbelaar  
Council for Geoscience  
P/Bag X112  
Pretoria  
0001  
South Africa

Phone: +27 (0) 12 841 1202 / 1186  
E-mail: [iaspei2009@geoscience.org.za](mailto:iaspei2009@geoscience.org.za)

### 11.3.1 GeoHost application form

Please note that all fields below must be completed in order for your Geohost financial support application to be processed.

Please attach the following to the application:

Curriculum vitae (CV), Maximum 500 words / 3 000 characters (including spaces)  
Letter of recommendation

Please note that NO application will be considered unless these documents are included in the application.

Personal information		
Gender		
Year of birth		
Employer / Institute / Company		
Job or position:		
Type of the requested subsidy		
Registration fee for the General Assembly	Yes / No	Priority: 1st 2nd 3rd 4th 5th (Please circle the appropriate number)
Accommodation	No of nights:	Priority: 1st 2nd 3rd 4th 5th (Please circle the appropriate number)
Travel costs	Yes / No	Priority: 1st 2nd 3rd 4th 5th (Please circle the appropriate number)
Meals/Allowance	Yes / No	Priority: 1st 2nd 3rd 4th 5th (Please circle the appropriate number)
Summer training school	Yes / No	Priority: 1st 2nd 3rd 4th 5th (Please circle the appropriate number)
Additional Support		
Will you be obtaining additional support?	Yes / No  If yes, please supply details of type of funding (e.g. flight ticket, subsistence allowance, accommodation, meals) and estimated value:	

However, should the applicant's abstract and application NOT be approved by the GEOHOST committee, the applicant will have to pay the full applicable fees if s/he wishes to attend the general assembly. Payment should be made in US dollars by:

**SWIFT electronic funds transfer to:**

Branch code: 012645  
 Bank: Standard Bank South Africa  
 Swift Address: SBZAZA  
 Account number: 676 058 604  
 Account name: Lekgotla Africa Events & Conferences

**12. Summer school information**

The IASPEI 2009 local organizing committee (LOC) is pleased to announce that there will be a Summer Training School which will take place the week after the IASPEI 2009 General Assembly.

The LOC sees this General Assembly as an ideal opportunity to expose a number of students and young scientists from the region to some of the world's top seismologists.

After examining the needs and interest of the region, the LOC have identified various topics and corresponding lecturers for the summer school. The cost will be announced.

Thus, the LOC is pleased to announce the following topics for the Summer Training School lectures:

### **12.1 Introduction to the physics of earthquakes and faults**

Lecturer: Prof. Yehuda Ben-Zion, [benzion@usc.edu](mailto:benzion@usc.edu),  
Department of Earth Sciences, University of Southern CA Los Angeles, CA, USA

### **12.2 Source modelling for near fault ground motion simulation**

Lecturer: Dr P. Martin, Mai [mai@sed.ethz.ch](mailto:mai@sed.ethz.ch),  
Institute of Geophysics, ETH Hoenggerberg, Zurich, Switzerland

### **12.3 Seismic hazard assessment and empirical ground-motion prediction**

Lecturer: Dr John Douglas, [j.douglas@brgm.fr](mailto:j.douglas@brgm.fr),  
ARN/RIS, BRGM, France

### **12.4 Introduction to mining seismology**

Lecturer: Dr Artur Cichowicz, [artur@geoscience.org.za](mailto:artur@geoscience.org.za),  
Council for Geoscience, Pretoria, South Africa

### **12.5 Real-time processing and seismic alert with examples of their implementation**

Lecturer: Prof. Aldo Zollo, [aldo.zollo@unina.it](mailto:aldo.zollo@unina.it),  
RISSC-LAB - Dipartimento di Scienze Fisiche

### **12.6 African geodynamics**

Lecturer: Prof. Colin Reeves, [reeves.earth@planet.nl](mailto:reeves.earth@planet.nl),  
Earthworks BV, The Netherlands, and School of Geosciences, University of the Witwatersrand

Please note that the above order of lectures will not necessarily be the order followed during the week of the Summer School.

## **13. Scientific programme and scope**

### **13.1 Seismicity, networks (S)**

#### *13.1.1 S1 - Symposium on seismological observation and interpretation*

Convenors: D Storchak <[dmitry@isc.ac.uk](mailto:dmitry@isc.ac.uk)>, H Sato <[sato@zisin.geophys.tohoku.ac.jp](mailto:sato@zisin.geophys.tohoku.ac.jp)>,  
E R Engdahl <[engdahl@colorado.edu](mailto:engdahl@colorado.edu)>, P Richards <[richards@ldeo.columbia.edu](mailto:richards@ldeo.columbia.edu)>,  
J Dewey [dewey@usgs.gov](mailto:dewey@usgs.gov)

13.1.2 S2 - Large historical earthquakes in Africa, historical seismology, paleoseismicity

Convenors: G Graham <[gerhardg@geoscience.org.za](mailto:gerhardg@geoscience.org.za)>, R Musson <[rmwm@bgs.ac.uk](mailto:rmwm@bgs.ac.uk)>

13.1.3 S3 - Seismicity, seismic hazard and regional co-operation in North Africa

Convenors: F Simon <[fredericksimon@msn.com](mailto:fredericksimon@msn.com)>, M-J Jimenez <[mjjimenez@mncn.csic.es](mailto:mjjimenez@mncn.csic.es)>, D Benouar <[dbenouar@yahoo.com](mailto:dbenouar@yahoo.com)>, S Riad <[nriad@link.net](mailto:nriad@link.net)>, B Roubhan <[B.Roubhan@unesco.org](mailto:B.Roubhan@unesco.org)>

13.1.4 S4 - Induced seismicity

Convenors: S Lasocki <[lasocki@geol.agh.edu.pl](mailto:lasocki@geol.agh.edu.pl)>, A Kijko <[andrzej.kijko@up.ac](mailto:andrzej.kijko@up.ac)>, A do Nascimento <[aderson@dfte.ufrn.br](mailto:aderson@dfte.ufrn.br)>, G van Aswegen <[gerrie@issi.co.za](mailto:gerrie@issi.co.za)>

13.1.5 S5 - Intraplate seismicity

Convenor: G Gibson <[kelunji@mac.com](mailto:kelunji@mac.com)>

13.1.6 S6 - Recent large earthquakes

Convenor: H Gupta <[harshgupta@nic.in](mailto:harshgupta@nic.in)>

13.1.7 S7 - Volcano seismology

Convenors: J Neuberg <[locko@earth-sciences.leeds.ac.uk](mailto:locko@earth-sciences.leeds.ac.uk)>, H Kumagai <[kumagai@bosai.go.jp](mailto:kumagai@bosai.go.jp)>

13.1.8 S8 - Arrays, networks, instrumentation and stations in Africa

Convenors: G Suarez <[gerardo@geofisica.unam.mx](mailto:gerardo@geofisica.unam.mx)>, A Nyblade <[andy@geosc.psu.edu](mailto:andy@geosc.psu.edu)>, G Graham <[gerhardg@geoscience.org.za](mailto:gerhardg@geoscience.org.za)>

13.1.9 S9 - Extending land networks into the sea and oceans

Convenors: R Stephen <[rstephen@whoi.edu](mailto:rstephen@whoi.edu)>, P Favali <[paolofa@ingv.it](mailto:paolofa@ingv.it)>

13.1.10 S10 - Scientific and technical advances in seismology and their relevance to the CTBT

Convenors: B Romanowicz (BSL, Univ. of California, Berkeley, USA) <[barbara.romanowicz@gmail.com](mailto:barbara.romanowicz@gmail.com)>, Z Wu (CEA, Beijing, China) <[zhi@ucas.ac.cn](mailto:zhi@ucas.ac.cn)>, D Giardini (ETH, Zurich, Switzerland) <[giardini@seismo.ifg.ethz.ch](mailto:giardini@seismo.ifg.ethz.ch)>

## 13.2 Lithosphere structure (L)

### 13.2.1 L1 - Structure and dynamics of the lithosphere: observations, modelling and laboratory constraints

Convenors: K Furlong <[kevin@geodyn.psu.edu](mailto:kevin@geodyn.psu.edu)>, I Jackson <[lan.Jackson@anu.edu.au](mailto:lan.Jackson@anu.edu.au)>, S Cloeting <[cloeting@geo.vu.nl](mailto:cloeting@geo.vu.nl)>

### 13.2.2 L2 - East Africa Rift System

Convenors: M Kendall <[gjm@bristol.ac.uk](mailto:gjm@bristol.ac.uk)>, P Davis <[pdavis@ucla.edu](mailto:pdavis@ucla.edu)>, A Ayele <[atalay@geobs.aau.edu.et](mailto:atalay@geobs.aau.edu.et)>, K Furlong <[kevin@geodyn.psu.edu](mailto:kevin@geodyn.psu.edu)>

### 13.2.3 L3 - Illuminating the crust and upper mantle structure with large-scale seismic deployments

Convenors: N Rawlinson <[nick@rses.anu.edu.au](mailto:nick@rses.anu.edu.au)>, R Woodward <[woodward@iris.edu](mailto:woodward@iris.edu)>, K Furlong <[kevin@geodyn.psu.edu](mailto:kevin@geodyn.psu.edu)>

## 13.3 Tsunamis and ODP (T)

### 13.3.1 T1 - Tsunamis in Africa - Indian, Atlantic, Mediterranean Oceans

Convenors: K Satake <[kenji.satake@aist.go.jp](mailto:kenji.satake@aist.go.jp)>, A Rabinovich <[abr@iki.rssi.ru](mailto:abr@iki.rssi.ru)>, S Tinti <[stefano.tinti@unibo.it](mailto:stefano.tinti@unibo.it)>, D Roberts <[drobot@geoscience.org.za](mailto:drobot@geoscience.org.za)>, C Hartnady <[chris@umvoto.com](mailto:chris@umvoto.com)>

### 13.3.2 T2 - Leveraging ODP boreholes and submarine cables

Convenors: M Shinohara <[mshino@eri.u-tokyo.ac.jp](mailto:mshino@eri.u-tokyo.ac.jp)>, R Stephen <[rstephen@whoi.edu](mailto:rstephen@whoi.edu)>

## 13.4 Earthquake source and prediction (E)

### 13.4.1 E1 - Symposium on earthquake sources: modelling and monitoring for prediction

Convenors: A Zavyalov <[zavyalov@ifz.ru](mailto:zavyalov@ifz.ru)>, G Papadopoulos <[papadop@gein.noa.gr](mailto:papadop@gein.noa.gr)>

### 13.4.2 E2 - Geophysical anomalies and earthquake prediction

Convenors: D Jackson <[djackson@ucla.edu](mailto:djackson@ucla.edu)>, A Zavyalov (GeoRisk) <[zavyalov@ifz.ru](mailto:zavyalov@ifz.ru)>

### 13.4.3 E3 - Prospective test of earthquake and faulting probability models

Convenors: D Rhoades <[d.rhoades@gns.cri.nz](mailto:d.rhoades@gns.cri.nz)>, D Jackson <[djackson@ucla.edu](mailto:djackson@ucla.edu)>

## 13.5 Geodynamics (G)

### 13.5.1 G1 - Earth structure and geodynamics

Convenors: G Houseman <[greg@earth.leeds.ac.uk](mailto:greg@earth.leeds.ac.uk)>, T Lay <[thorne@emerald.ucsc.edu](mailto:thorne@emerald.ucsc.edu)>, A Tankard <[tankarda@shaw.ca](mailto:tankarda@shaw.ca)>, R Durrheim <[Raymond.Durrheim@wits.ac.za](mailto:Raymond.Durrheim@wits.ac.za)>, C Reeves <[reeves.earth@planet.nl](mailto:reeves.earth@planet.nl)>

Co-sponsored by SEDI

## 13.6 Heat flow (H)

### 13.6.1 H1 - From heat flow to geothermal energy

Convenors: C Clauser <[c.clauser@geophysik.rwth-aachen.de](mailto:c.clauser@geophysik.rwth-aachen.de)>, J Safanda <[jsa@ig.cas.cz](mailto:jsa@ig.cas.cz)>, M Jones <[michael.jones@wits.ac.za](mailto:michael.jones@wits.ac.za)>, W D Gosnold <[william\\_gosnold@und.nodak.edu](mailto:william_gosnold@und.nodak.edu)>, L Rybach <[rybach@geowatt.ch](mailto:rybach@geowatt.ch)>

Co-sponsored by the International Geothermal Association

### 13.6.2 H2 - Workshop: "Geothermal studies: instruments, measurements, and interpretation"

Convenors: Y Popov <[yupopov@dol.ru](mailto:yupopov@dol.ru)>, S Roy <[sroy@mines.utah.edu](mailto:sroy@mines.utah.edu)>

## 13.7 Hazard and risk (R)

### 13.7.1 R1 - Earthquake hazard

Convenors: Z Wu <[wuzl@cea-igp.ac.cn](mailto:wuzl@cea-igp.ac.cn)>, A Kijko <[andrzej.kijko@up.ac](mailto:andrzej.kijko@up.ac)>

### 13.7.2 R2 - Earthquake risk

Convenors: M Ghafory-Ashtiany <[ashtiany@iiees.ac.ir](mailto:ashtiany@iiees.ac.ir)>, J Hlatywayo <[djhlatywayo@nust.ac.zw](mailto:djhlatywayo@nust.ac.zw)>

### 13.7.3 R3 - workshop: "Effects of surface geology"

Convenors: H Kawase <[kawase@arch.kyushu-u.ac.jp](mailto:kawase@arch.kyushu-u.ac.jp)>, A Cichowicz <[artur@geoscience.org.za](mailto:artur@geoscience.org.za)>

### 13.7.4 R4 - Seismic source modelling and ground motion prediction

Convenors: K Irikura <[irikura@geor.or.jp](mailto:irikura@geor.or.jp)>, A Cichowicz <[artur@geoscience.org.za](mailto:artur@geoscience.org.za)>



13.7.5 R5 - Earthquake risk reduction and preparedness: socio-economic aspects, particularly in developing countries

Convenors: M Ghafory-Ashtiany <[ashtiany@iiees.ac.ir](mailto:ashtiany@iiees.ac.ir)>, J Hlatywayo <[djhlatywayo@nust.ac.zw](mailto:djhlatywayo@nust.ac.zw)>

### 13.8 Applied geophysics (A)

13.8.1 A1 - Electromagnetic prospecting and crustal structures

Convenors: K Furlong <[kevin@geodyn.psu.edu](mailto:kevin@geodyn.psu.edu)>, E Stettler <[estettler@thani.ae](mailto:estettler@thani.ae)>, J de Beer <[JHdeBeer@mweb.co.za](mailto:JHdeBeer@mweb.co.za)>

13.8.2 A2 - Geochemical and geophysical signatures of diamond fields

Convenors: A Jones <[alan@cp.dias.ie](mailto:alan@cp.dias.ie)>, J Gurney <[jjg@geology.uct.ac.za](mailto:jjg@geology.uct.ac.za)>, A le Roex <[aleroex@geology.uct.ac.za](mailto:aleroex@geology.uct.ac.za)>

13.9 O1 - Capacity building and attracting undergraduate students to geophysics/seismology

13.10 O2 - Discussion panels

Convenor: R Musson <[rmwm@bgs.ac.uk](mailto:rmwm@bgs.ac.uk)>

Panel discussion 1 – Seismic hazard: living with uncertainty

Panel discussion 2 – Earthquake prediction: what the future holds

## 14. Additional annual meetings and working group sessions

The International Federation of Digital Seismograph Networks (FDSN) [[www.fdsn.org](http://www.fdsn.org)] has the pleasure of inviting you to their annual meeting and their related working group sessions.

### FDSN first plenary session

Sunday, Jan 11, 2009

### FDSN working group II: Data exchange and data centres

Monday, Jan 12, 2009

### FDSN working group I; Station siting and instrumentation

Monday, Jan 12, 2009

### FDSN working group IV: CTBT coordination

Tuesday, Jan 13, 2009

### FDSN working group III: Data products and tools

Tuesday, Jan 13, 2009

### FDSN working group V: Portable instrumentation

Wednesday, Jan 14, 2009

### FDSN second plenary session

Friday, Jan 16, 2009