Urban Planning - Seismic Risk Reduction at Greveva - Kozani (Northern Greece)

Lekkas, E., Lozios, S., Foufouli, I., Kranis, H. & Adamopoulou, E.
Department of Geology, University of Athens
GR 157 84 ATHENS, Greece

A destructive earthquake (M=6.6 R) hit the region around Greveva and Kozani on May 13, 1995. Mainly small rural communities were stricken, in some of which the damage was total. That is, in 3 villages more than 70% of the buildings collapsed, in 5 villages the collapsed constructions accounted for more than 50% and in 8 villages for more than 30%. In addition, there was considerable damage to 20 more villages. The geologic and geotechnical survey carried out soon after the earthquake showed that the principal causes of the destruction were (i) the occurrence of a NE-SW trending seismic fault zone, (ii) the occurrence of surficial geologic formations with low values of geotechnical properties and (iii) the instability of formations at areas of high topographic gradient and the occurrence of landslides. The combination of all the above led to a characteristic distribution of the damage, both in the pleistoseismal area in general and inside the villages themselves. For the immediate reconstruction of the area, the following proposals were made: (a) relocation of 8 villages to safer location, or incorporation with others and (b) the development of construction only at the secure parts of the villages or at the flanks of them. These interventions aim at the long-term reduction of the seismic risk in the area.

High Magnitude Events:
Landslides, Floods and Earthquakes
15/ Apr/ 1996
15th February 1996

Dr. F. Lekkas
Dynamic Tectonic Applied Geology
University of Athens
Panepistimioupoli
GR-15784
Athens
Greece

Dear Dr. Lekkas

Re: Applied Geosciences Conference, Warwick 1996

Your two abstracts have been accepted for posters for the Symposium on High Magnitude Events at the Geological Society Conference at Warwick on Applied Geosciences. The symposium runs from 9.00 am on the 15th to 5.50 pm on the 16th April.

The size of the poster boards will be 136 cm wide and 238 cm high. If you require more than one poster board for each of your posters, please let me know and I can allocate you more poster space.

If you have any questions regarding this symposium please do not hesitate to contact either myself or Dr. Jan Alexander. We look forward to meeting you in April.

Yours sincerely

[Signature]

Dr. Kevin G. Taylor
Monday 15th April 1996

High Magnitude Events: Landslides, Floods and Earthquakes
British Sedimentological Research Group joint with Engineering Group

ARTS CENTRE THEATRE (ACT)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09.00</td>
<td>KEYNOTE</td>
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<tr>
<td></td>
<td>Fractal Geometry of Catastrophes - Professor K J Hsu, Beijing</td>
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<td>10.00</td>
<td>Invited Talk</td>
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<td>Landslides, debris flows and turbidites on the flanks of the Canary Islands - D G Masson, P E Weaver, Southampton Oceanography Centre</td>
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<td>10.45</td>
<td>COFFEE</td>
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<td>The Arts Centre Foyer</td>
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<td>11.15</td>
<td>Reconfiguration of the Cumbre Vieja Volcano, La Palma: Advance Warning of a Giant Landslide? - S J Day, Cheltenham &amp; Gloucester College of HIl</td>
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<tr>
<td>11.30</td>
<td>J-C Carracedo, Estaciones Vulcanológicas de Canarias, H Guillochon, Centre des Faiblesses Radioactivities</td>
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<tr>
<td>11.45</td>
<td>Tsunami Signature of Large Submarine Slope Failures - A G Dawson</td>
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<tr>
<td>12.15</td>
<td>Landslides in Hong Kong - R A Firth, University of Newcastle-upon-Tyne</td>
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<tr>
<td>12.45</td>
<td>LUNCH</td>
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14.00 OPENING CEREMONY - will take place in the Arts Centre Lecture Theatre. The Conference and Exhibition will be officially opened by Professor Sir Robert May, Chief Scientific Adviser for the Office of Science and Technology.

14.45 KEYNOTE - Storms, Floods and Wildfires: Taking Bearings in the Greenhouse - Dr J Leggett, Greenpeace

15.30 POSTER PRESENTATIONS

15.45 TEA - Butterworth Hall

16.15 Magnitude-Frequency Characteristics of Landslides in Tectonically Active Mountain Belts and Rates of Sediment Eflux - N Horvath, P A Allen, C Stark, University of Oxford


17.00 END

Posters

- Urban Planning: Seismic Risk Reduction - Gorretta - Kawasaki (Northern China) - E Leekkas, S Logros, J Paretoules, H Krani and E Adamopoulou
- Skole Failure along the Karakoram Highway, Northern Pakistan - A L Ovend and M Fort

PROGRAMME DETAILS

Programme details for each day will be displayed by the Registration Desk in the Rootes Social Building and will show any alterations.

PREPARATION OF SLIDE PRESENTATIONS

There will be a technician in each lecture theatre who will co-ordinate all oral presentations. The Band Room (next to the Press Office) has been set aside for speakers to preview their slide presentations. There are only four monitors available and therefore speakers are asked to preview their slides during the break time before the beginning of their particular session.

POSTER PRESENTER'S INFORMATION

Session Convenors will oversee the set up of their relevant poster presentations in the Butterworth Hall, Trade Exhibition area. The Conference Office contact for poster boards is Aazive Simon. Posters will be displayed for the full day and should be removed by 18.30 hrs at the latest. If posters are not removed by the presenter they will be held in the Conference Organisers Office behind the reception area in the Rootes Social Building. Please note that if this is the case no responsibility will be taken for any damage of loss of poster boards.

The best three posters from each day will be chosen by the Session Convenors and Chairmen during afternoon tea breaks each day. These posters will then be displayed in the Exhibition Area for the duration of the Conference. The overall winning poster, which will be chosen by Professor Steve Sparks, Professor Richard Howarth and Dr B J French, will receive a Geological Society special publication voucher to the value of £35.00 at the members rate. This selection will take place on Thursday 18th April during the afternoon tea break.

SPEAKERS AND CONVENORS INFORMATION

In a multibession scientific conference it is most important that the time table is adhered to. Convenors are asked to ensure that speakers finish strictly to time. In the event of a cancellation/no-show the gap should be filled with a discussion or a recess should be taken.

Traffic Light System for Speakers

The University provides this timing system to indicate that speakers are nearing the end of their presentation time.

When the white light flashes the speaker has ten minutes left to speak, the green light 5 minutes and the red light 1 minute. If the red light flashes again the speaker must stop.

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