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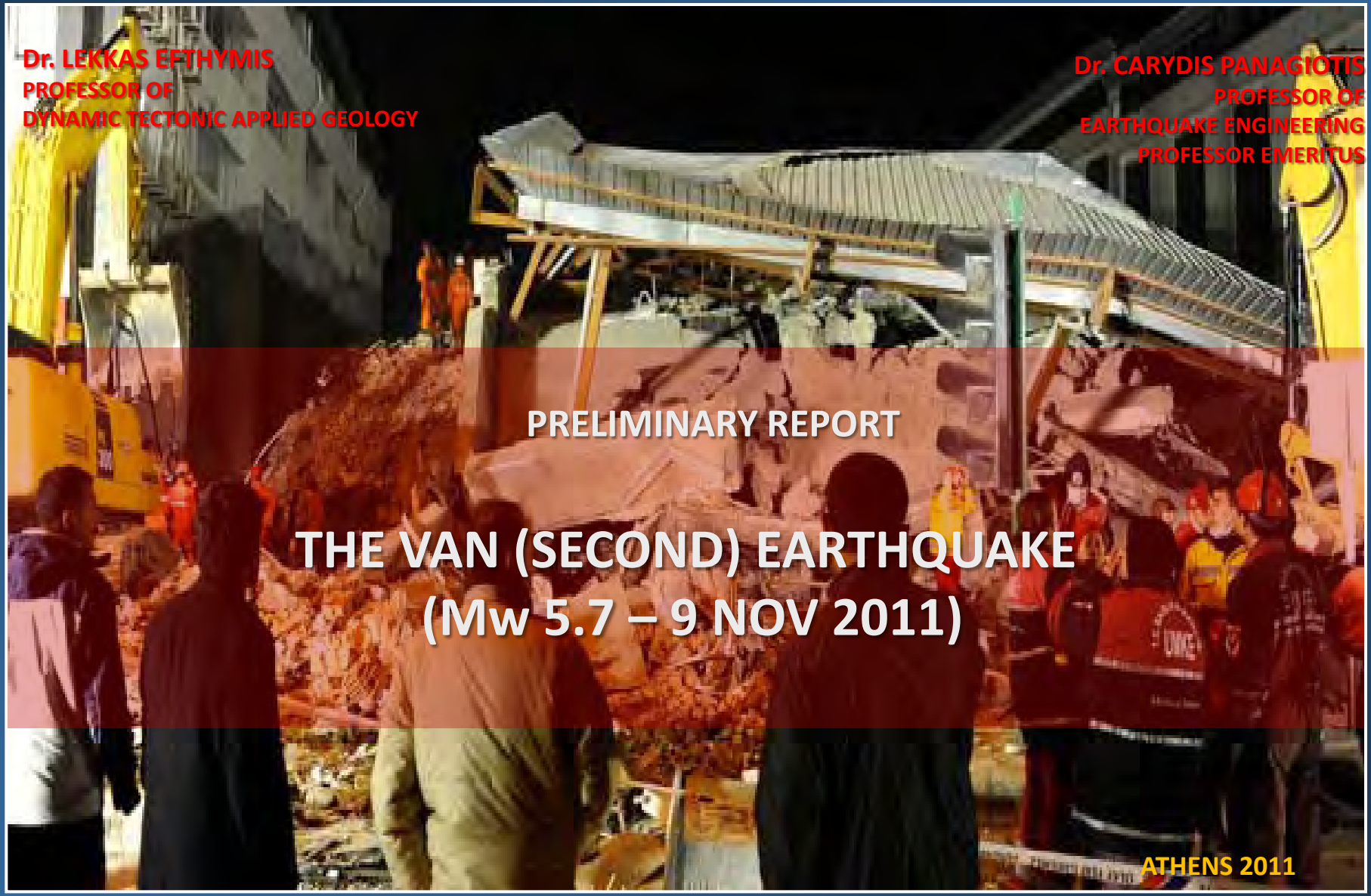

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PROFESSOR EMERITUS

PRELIMINARY REPORT

THE VAN (SECOND) EARTHQUAKE (Mw 5.7 – 9 NOV 2011)

ATHENS 2011

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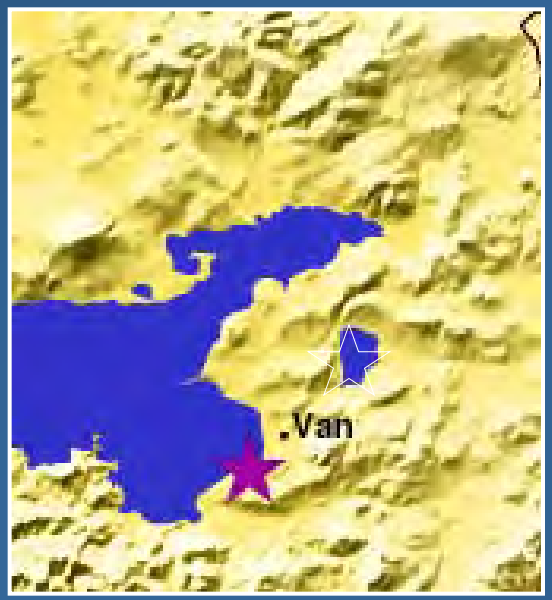

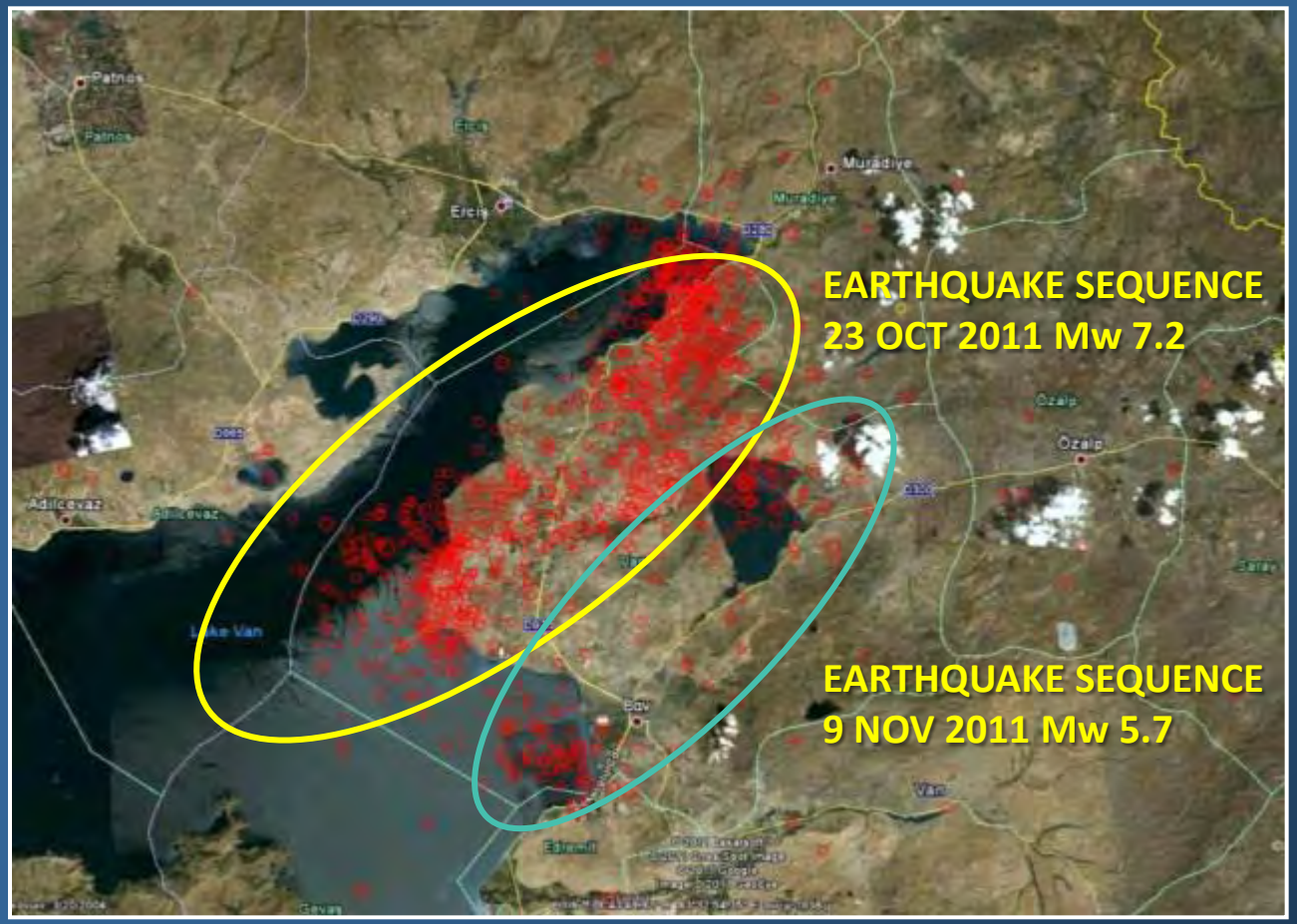

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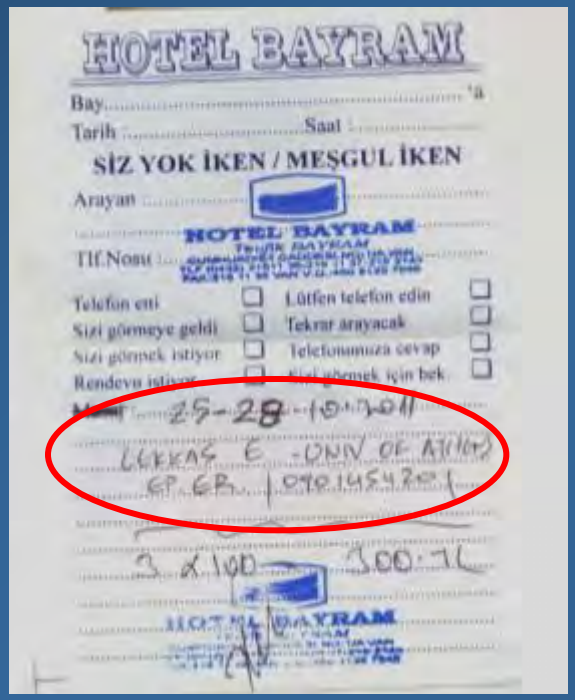

HOTEL BAYRAM

Bay ..... 'a

Tarih : ..... Saat : .....

SİZ YOK İKEN / MEŞGUL İKEN

Arayan .....

HOTEL BAYRAM

Tlf.Nosu .....

Telefon etti ☐ Lütfen telefon edin ☐

Sizi görmeye geldi ☐ Tekrar arayacak ☐

Sizi görmek istiyor ☐ Telefonunuza cevap ☐

Rendevu istiyor ☐ Sizi görmek için bek ☐

Mesaj 25-28-10-2011

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HOTEL BAYRAM

Turkish hotel collapses after second earthquake

By Louis

Article | Reader Comments | Email To Friend

Nov 10, 2011

A 5.6-magnitude earthquake in Eastern Turkey killed at least three people and trapped others under collapsed buildings, including the Bayram Hotel.

Rescuers carry a survivor from a collapsed building after an earthquake in Van, eastern of Turkey, on November 9, 2011. The 5.6-magnitude quake is the

The earthquake which struck yesterday (November 9) is the second to hit the region in 17 days, last month a 7.2-magnitude earthquake caused the death of more than 600 people.

DAILY NEWS

TURKEY • NATIONAL

Footage revealed of Bayram Hotel collapse in Van

The footage that the collapse of the Bayram Hotel in Van province in eastern Turkey was revealed today, shows the building turn to dust as the 5.6-magnitude earthquake shakes the province.

The cameras caught the moments during the quake, the collapse of the building and the moments that followed the

ties

We at the Hürriyet Daily News feel that as a country that has active fault lines running across its territory, Turkey is emotionally and tectonically tied to earthquakes that claim lives and leave many in

Hotelier HOSPITALITY & CATERING | DIRECTORY

HotelierMiddleEast.com

Turkish hotel collapses after second earthquake

Hotelier HOSPITALITY & CATERING

That moment of holiday hotel's collapse - Video

Beğen 4 Bin | +1 0 | Beğen | Gönder | Tweetle 0

10.11.2011 20:30

Van Bayram Hotel's collapse in an earthquake destroyed the moment, recorded by the cameras Mobese .

Images of the earthquake at the time of a power cut and running from people trying to escape from the hotel, the building suddenly collapsing. Also, hotel that are parked in front of the 2 live broadcasting tool Cihan'a the images seen. Remained under the wreckage had become one of the tools available.

On the other hand, Mobese quarters, from different parts of the city earthquake noted that images of the moment. Images, people flee and looking around, a power cut, where the buildings falling parts

CONCLUSIONS

1. The second earthquake sequence (9 November 2011, Mw 5.7) is clearly distinguished from the fist sequence and was caused by the activation of a different fault.
2. It is a strike slip fault with a NE-SW direction between the lakes Van and Ercis. Characteristic pop up and pop down structures have been created along the fault.
3. Segments of the fault run under the city of Van and this is the main reason for the extended damage.
4. The large number of building collapses is due to the fact that many buildings were already strained by the first earthquake and the hundreds of aftershocks that followed it.

5. The collapse of Bayram Hotel, as it is shown in the relevant picture, took place almost within its foundation plan. This is a typical characteristic of the effect of a strong vertical seismic component, a parameter dominating in epicentral regions of shallow focus earthquakes. The structure was optically inspected by Prof. Carydis following widely acceptable rules applied to more than 15.000 buildings already inspected by himself. He found the building safe. He found that the building is above average from an earthquake engineering point of view, possessing rather large cross sections of columns in a rather dense grid, with strong beam to column joints, a symmetry in plan and without any damage to the load bearing elements
6. The two earthquakes hit quite selectively the city centers of two cities. The first one on 23 Oct 2011, M_w=7,2, causing collapse of 80 buildings at the city center of Ercis. The 9 Nov 2011, M_w=5,7 causing collapse to 30 buildings at the city of Van. All other regions around, were rather undamaged while most of the undamaged buildings were at the first glance not engineered or not so much earthquake resistant in order to outreach safely the respective earthquakes

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PRELIMINARY REPORT

VAN EARTHQUAKE - TURKEY (Mw 7.2 - 23 OCT 2011)

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ATHENS 2011