

# PETROLEUM GEOLOGISCHE KRING



KONINKLIJK NEDERLANDS GEOLOGISCH MIJNBOUWKUNDIG GENOOTSCHAP **PGK**

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<b>Venue:</b>	PGK's monthly meetings are held at the KIVI building, Prinsessegracht 23, Den Haag. Drinks are served from 17:00 hrs; the lecture starts at 18:00 hrs.		<a href="http://www.pgknet.nl">www.pgknet.nl</a>
<b>Membership:</b>	Apply for membership by contacting the secretariat. The annual fee is €15.-		
<b>Accounts:</b>	Fortis Bank: 88.65.82.733 (PGK, Den Haag)		

## NOVEMBER 2005 NEWSLETTER

### 16 NOVEMBER: MONTHLY MEETING

The next PGK meeting will be on **Wednesday, November 16<sup>th</sup>, 2005**. As usual, social hour (free drinks) will be from 17:00 to 18:00 hrs. The lecture will be given by Dr. **Kees Rutten (Slokkert Consultancy)** on:

**“Unfaulting and unfolding seismic sections for 'mainstream' seismic interpreters - practical validation of structural and stratigraphic interpretations”**

*Please see other side of this newsletter for the lecture abstract.*

### DECEMBER MEETING/CHRISTMAS BUFFET:

The December meeting will be held on **Wednesday December 14<sup>th</sup>, 2005**. As usual, free drinks will be served during the social hour (starting 17:00 hrs), followed by the lecture at 18:00 hrs given by **Jon Noad (TU Delft/Shell)** on **dinosaurs from the US, Canada, South Africa, Spain and other places**. The lecture will be followed by a Spanish tapas buffet (19:00 hrs onwards). Please register if you wish to attend the buffet: [secretary@pgknet.nl](mailto:secretary@pgknet.nl) or ☎ 070 - 312 4969.

### NEW MEMBERS:

Application for membership has been received from Birgit Dietrich (Horizon Energy Partners). If no objections are received prior to or during the next meeting, she is automatically admitted as member of our society.



**Monthly meeting:** Wednesday 19 October 2005  
**Address:** KIVI building, Prinsessegracht 23, Den Haag  
**Social hour:** (free drinks) between 17:00 and 18:00 hrs  
**Lecture:** at 18:00 hrs

### **“Unfaulting and unfolding seismic sections for 'mainstream' seismic interpreters - practical validation of structural and stratigraphic interpretations”**

Dr. Kees Rutten (Slokkert Consultancy)

**ABSTRACT** – A simple and practical technology to validate seismic character correlations in faulted areas is presented. The technology is targeted at mainstream seismic interpreters. Special structural-geological knowledge or data is not required.

In seismic interpretation, fault throws are generally interpreted by correlating seismic character across faults. This process is laborious and results are difficult to validate. Horizon flattening is currently the only practical tool, but this destroys seismic character above and below fault gaps. The unfaulting and unfolding technology presented here allows the seismic interpreter to unfault seismic sections on-the-fly using the fault offsets of interpreted seismic horizons as control on fault throw. After unfaulting, the section can be unfolded to inspect stratigraphic variations across the section.

Unfaulting is based on a fault-slip parallel elastic deformation model; unfolding assumes a cylindrical folding process.

Initially we thought that this technology would be primarily used to validate structure, but we found that stratigraphic validation is at least as important.

Spectacular case studies from various geological settings from around the world will be presented.

Landmark is implementing the technology in their interpretation suite.

*See next page for illustration.*

**Please post this page your company's notice board. Members may be accompanied by guests!**

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*Distribution of this Newsletter was sponsored by: Iron Mountain*

On Saturday January 7th, the 'Utrechtse Geologen Vereniging (UGV) is celebrating her 60th anniversary!  
Find out more at <http://www.geo.uu.nl/ugv60>

