

# 2. ICCP COURSE IN ORGANIC PETROLOGY

MONDAY, 14<sup>TH</sup> JUNE TO FRIDAY 18<sup>TH</sup> JUNE 2010

HELD AT

DEUTSCHES GEOFORSCHUNGSZENTRUM – GFZ

POTSDAM, GERMANY



Joint venture initiated and endorsed by the International Committee for Coal and Organic Petrology (ICCP), German Geological Society (DGG), GFZ German Research Centre for Geosciences, and the Rolf & Marlies Teichmüller Foundation



## ICCP Course in Organic Petrology

June 14 – 18 2010

GeoLab Potsdam



### COURSE SCHEDULE

Please note: slight modifications of time schedule can occur

\* *CFKD*: Claus Diessel

\*\* *ACC*: Alan Cook

<b>Monday, 14<sup>th</sup> June</b>	
09.00 to 09.45	1. Opening - Opening of course ( <i>GFZ/Prof. Brian Horsfield</i> ) - Greetings ( <i>DGG, Teichmüller Foundation / Andreas N. Küppers</i> ) - Introduction ( <i>ICCP, Petra David</i> )
09.45 to 11.00	2. The history of organic petrology including the concept of coal rank and type ( <i>ACC</i> )
11.00 to 11.15	<i>Morning tea</i>
11.15 to 11.45	3. The petrographic microscope ( <i>ACC</i> )
11.45 to 13.00	4. Sample preparation and petrographic techniques - point counting ( <i>ACC</i> )
13.00 to 14.00	<i>Lunch</i>
14.00 to 15.00	5. Macerals, microlithotypes and lithotypes ( <i>ACC</i> )
15.00 to 16.00	6. Reflectance and fluorescence including standards ( <i>ACC</i> )
16.00 to 16.15	<i>Afternoon tea</i>
16.15 to 18.00	7. Practical session and discussion of petrographic techniques, e.g. point counting, reflectance, fluorescence ( <i>ACC &amp; CFKD</i> )
<b>Tuesday, 15<sup>th</sup> June</b>	
09.00 to 10.30	8. Coalification, its causes and effects ( <i>CFKD</i> )
10.30 to 10.45	<i>Morning tea</i>
10.45 to 12.30	9. Coal classification ( <i>ACC</i> )
12.30 to 13.30	<i>Lunch</i>
13.30 to 15.30	10. Interpretation of petrographic results and their application to exploration (trend surfaces, iso-rank maps etc., beneficiation and coal preparation ( <i>ACC</i> ))
15.30 to 15.45	<i>Afternoon tea</i>
15.45 to 17.30	11. Practical session and discussion of petrographic techniques, e.g. point counting, reflectance, fluorescence ( <i>ACC &amp; CFKD</i> )
<b>Wednesday, 16<sup>th</sup> June</b>	
09.00 to 10.30	12. The application of organic petrology to oil and gas exploration ( <i>ACC</i> )
10.30 to 10.45	<i>Morning tea</i>
10.45 to 12.30	13. Char petrology (combustion, gasification, hydrogenation) ( <i>CFKD</i> )
12.30 to 13.30	<i>Lunch</i>
13.30 to 15.30	14. Carbonisation and coke petrology ( <i>CFKD</i> )
15.30 to 15.15	<i>Afternoon tea</i>
15.15 to 17.30	15. Practical session and discussion of petrographic techniques, e.g. point counting, reflectance, fluorescence ( <i>ACC &amp; CFKD</i> )

### Thursday, 17<sup>th</sup> June

09.00 to 10.30	16. Coal-depositional environments ( <i>CFKD</i> )
10.30 to 10.45	<i>Morning tea</i>
10.45 to 12.30	17. The sequence stratigraphic setting of coalfields ( <i>CFKD</i> )
12.30 to 13.30	<i>Lunch</i>
13.30 to 15.30	18. Sedimentological and tectonic aspects of coal mining ( <i>CFKD</i> )
15.30 to 15.15	<i>Afternoon tea</i>
15.15 to 17.30	19. Practical session and discussion of petrographic techniques, e.g. point counting, reflectance, fluorescence ( <i>ACC &amp; CFKD</i> )

### Friday, 18<sup>th</sup> June Field trip to brown coal mine

08.00	Departure
18.00	End of Training Course