

Name Henrik Ingermann Petersen
Profession Geologist
Date of birth 13th September 1964, Denmark
Nationality Danish
Civil status Married; 2 children (11 and 15 years)
Education D.Sc. (Dr. Scient), Doctoral Dissertation, University of Copenhagen 2008. Highest Danish academic degree; Ph.D. in geology (organic petrology and geochemistry), University of Aarhus 1995; M.Sc. in geology, University of Aarhus 1991
Occupation Senior Researcher, GEUS; Head of Laboratory of Organic Geochemistry and Petrology

Key Qualifications

- h-index = 16 (Web of Science, October 2011)
- Published about 60 peer-reviewed articles plus other publications. In addition 80 abstracts and reports, and 69 oral presentations and posters
- 20 years of experience in the field of organic petrology (maceral/kerogen analysis, vitrinite reflectance), and familiar with the routine integration of petroleum geochemical methods (e.g. Rock-Eval, GC, biomarkers, activation energy distributions)
- Significant experience in interpretation of the composition, formation, source rock potential and petroleum generative characteristics of organic-rich rocks
- Significant experience in determining the thermal maturity of organic-rich rocks
- In the lead of research in coals as a source rock for oil
- Pioneer in the application of sequence stratigraphic concepts in paralic coal-bearing strata
- Participation in petroleum geological work in the North Sea, Denmark, Greenland, Vietnam, Thailand and Belize.

- Since 2005 co-supervisor for 4 Danish M.Sc./Bachelor and 2 Vietnamese Ph.D. students; further Ph.D. supervisor under the Royal Golden Jubilee Ph.D. programme, Chiang Mai University, Thailand.
- Lecturer of course in organic petrology at Bergen University, Norway, in 2000, 2002 and 2003; at Vietnam Petroleum Institute, Hanoi, in 2002; for CCOP in Beijing in 2006; at Shell E&P, Rijkswijk, in 2009.
- Experience of project design and management from several research projects, including DFF (SNF 21-04-0605) and Carlsberg Foundation (ans-1293/20) projects.

Language of relevance

	<i>Speaking</i>	<i>Reading</i>	<i>Writing</i>
Danish	Mother tongue		
English	Excellent	Excellent	Excellent
German	Good	Good	-

Employment record and major working assignments

2011: Elected as Vice-President of the International Committee for Coal and Organic Petrology (ICCP).
2010: Petroleum geological fieldwork in Belize, Central America.
2008, 2009 and 2010: Nominated as candidate for the prestigious “Hydrocarbon Frontier Prize” awarded by ENI-Agip in Rome, Italy.
2008: D.Sc. (Dr. Scient); defence of the doctoral dissertation “The petroleum generation potential and effective oil window of humic coals related to coal composition and age” at University of Copenhagen.
2008: Fieldwork in southern Thailand.
2007: Fieldtrip/fieldwork in southern Cambodia.
2005: Petroleum geological fieldwork in Cenozoic basins of central and northern Thailand.
2002: Petroleum geological fieldwork in the Song Ba Rift and Quy Nhon area, central Vietnam.
2001: Chairman of the organising committee of the 53rd ICCP meeting, Copenhagen, August 12–19, 2001.

Since 2000: Research in composition, formation and hydrocarbon generation of lacustrine organic-rich rocks and oil shales.

2000: Consultant in Tórshavn related to the 1st Licensing Round in the Faroe Islands.

Since 1999: Awarded full accreditation (Certificate no.: ICCP/RA/33.1/0131AB) in vitrinite random reflectance analysis and maceral analysis of coals (measured using ISO 7404 techniques) and vitrinite reflectance of dispersed organic matter (DOM) (Certificate no.: ICCP/DOMVR/052) by the International Committee for Coal and Organic Petrology (ICCP).

Since 1995: Participation in petroleum geological projects focusing on the offshore Song Hong, Phu Khanh and Malay basins, Vietnam.

Since 1995: Research in the potential of coals as source rocks for liquid hydrocarbons.

Since 1991: Employed at the Geological Survey of Denmark and Greenland, including Ph.D. study.

1990: Field assistant and organiser on an international scientific expedition to Nuussuaq, West Greenland.

Training courses

2010: Assessment of unconventional shale resource plays using geochemistry; GEUS, June 9 (Daniel M. Jarvie, Worldwide Geochemistry, USA).

2007: Conflict handling; GEUS, September 25–26 (DIEU).

2004: Adult tuition and supervision; GEUS, March 2 – May 24 (Rosenkvist Consult).

2003: Multivariate data analysis – in practice; GEUS, 4 days, September/Oktober (Prof. K. Esbensen, Aalborg University, Denmark).

2001: Modern geochemical tools for efficient exploitation and development; London, UK, September 3–7 (Dr. M.A. McCaffrey, OGC Training course).

2000: Project Management; Samsø, Denmark, May 15–17 (Fangel Projektledeelse a/s).

1998: Forensic environmental geochemistry; Halifax, Nova Scotia, Canada, July 25 (Dr. I. Kaplan, Global Geochemistry Corporation, California, USA).

1998: Petroleum geochemistry for exploration and development geologists; London, UK, June 8–12 (Dr. C. Barker, OGC Training course).

1996: Coal source-rock field/lecture seminar; Amelia Island (Florida)/Okefenokee Swamps (Georgia), USA, June 2–6 (Dr. A.D. Cohen, University of South Carolina, USA).

1995: Kerogen and solid hydrocarbon characterisation; Dow Geochemical Services Inc., The Woodlands, Texas, USA, August 27 (Dr. J.R. Castaño, DGS, USA).

1994: Sequence stratigraphy; University of Copenhagen, Denmark (Prof. F. Surlyk, University of Copenhagen, Denmark).

International relationships

- Secretary of Commission III (ICCP) from 2000–2004.
- Member of the Council of the ICCP from 2000–2004.
- Member of ICCP since 1993 and the Society for Organic Petrology (TSOP) since 1995.
- Member of the Editorial Board of *Journal of Petroleum Geology* since 2007.
- International cooperation with Chiang Mai University, Thailand; CSIRO, Australia; University of Ilorin, Nigeria; University of Porto Alegre, Brazil; Advanced Geochemical Services, UK; Det Norske Oljeselskap, Norway; Belize Minerals Ltd.; plus a large network through ICCP and TSOP

Miscellaneous

- Training of Danish and foreign students and scientists from Thailand, Vietnam and Uganda in organic petrology at GEUS.
- Guest editor of special issue of the *International Journal of Coal Geology*, 54 (2003).
- Referee for the international journals *Petroleum Geoscience*, *Organic Geochemistry*, *Journal of Petroleum Geology*, *International Journal of Coal Geology* and *Palaeogeography, Palaeoclimatology, Palaeoecology*.
- Front cover photo on *Petroleum Geoscience Vol. 6(2) 2000*, *AAPG Bulletin Vol. 86(2) 2002* and *Journal of Petroleum Geology Vol. 28(1) 2005*.