

## **Biography Tilman Hanstein**

Tilman studied Geophysics at the University of Cologne with the Diploma degree 1984 (M.Sc. equivalent). His thesis deals with “Mössbauer Spectroscopy for dating geological soil minerals with iron content” which included laboratory measurements with a nuclear technique and interdisciplinary work with Geographers, Mineralogists and Physicists.

In 1984, Tilman became scientific assistant building up a new LOTEM system for hydrocarbon and geothermal exploration. His work covered different aspects of data acquisition, data processing and modeling. This resulted in several publications. During many LOTEM field surveys and projects in Germany and abroad, Tilman gained valuable field experience in Germany, South Africa, Australia, Italy, Indonesia, and Israel.

Since 1991 I worked as free-lancer for HarbourDom GmbH in environmental geophysics including many geophysical methods.

Another aspect of Tilman’s work is in geo-hydrology. Together with a geologist, he developed software for the automatic interpretation of well test analysis and pumping tests. The program LEAKY was one the first software packages in Germany.

In 2000 he began intensive work with KMS Technologies in Germany and in Houston. The work included a feasibility studies for a new logging tool. It also included scale model experiments to support the ideas of the new logging tool and to answer some key questions for the feasibility. For that a new data acquisition system was built. This work is ongoing.

From the end of 2003 he worked half time with HarbourDom GmbH and the University of Cologne in a project for detection landmines with metal detectors.

Tilman is affiliated to DGG and SEG.