

## **SUPPLEMENTAL INFORMATION**

### **PERSONAL DATA**

Dual citizenship (USA & Germany)  
Born: Jan. 23. 1957, Paderborn, FRG  
Resident: Houston Texas, Germany, & Thailand

### **LANGUAGE FLUENCY**

Fluent in German and English  
Basic of French & Thai, some Spanish & Chinese

### **ADDITIONAL EDUCATION**

Special Studies in Exploration Geophysics - Macquarie University, Sydney, Australia - 1983  
English Training Program - University of Texas, Austin, Texas - 1979  
Courses in Reservoir Characterization, Integrated Geophysics, Petrophysics, Management, Finance, various Business Management short courses

### **PROFESSIONAL AFFILIATIONS**

American Association of Petroleum Geologists (AAPG)  
Australian Society of Exploration Geophysicists (ASEG)  
Bundesverband Deutscher Geologen, Geophysiker, und Mineralogen (BDG)  
Deutsche Geophysikalische Gesellschaft (DGG)  
European Association of Exploration Geophysicist (EAEG)  
Geophysical Society of Houston (GSH)  
Society of Exploration Geophysicists (SEG)  
Society of Petroleum Engineers (SPE)  
Society of Professional Well Log Analysts (SPWLA)  
Environmental and Engineering geophysical Society (EEGS)  
Thai Society of Exploration Geophysicists (TSEG)

### **PUBLICATIONS/PRESENTATIONS**

Over 200 publications, patents and books  
SPE distinguished lecturer 1998/1999  
SPWLA distinguished lecturer 2004-2005  
Taught many short courses in Geophysics and Logging globally

### **INTERNATIONAL EXPERIENCE**

Advisor to major Oil and service companies in US, Russia, Middle East, and China  
Industry liaison for a global oil field service company in many countries.  
Supervised university research projects (> 5 Mio DM funds): Germany, USA, China, Australia, India, South Africa, and Spain  
Supervised industry research projects (> 5 Mio \$ per year).  
Co-chaired 4 SEG Summer Research Workshops  
Taught short courses/workshops in Europe, Middle East, China, India, US, and Australia.

### **AWARDS**

Research grants in exploration geophysics and borehole geophysics 1985-1992 (over 5 Mio. DM)  
Fulbright Scholarships (1979, 1980) to study in the USA  
Several DAAD scholarships, grants etc. for studies and courses abroad  
Several smaller grants from American, Australian, European organizations for workshop Participation, special research etc.  
Offered the 'Endowed Chair in Borehole Geophysics' at the Ecole Polytechnique, Montreal, Canada  
Offered the Chair in General Geophysics at the Bergakademie Freiberg, Germany  
Distinguished lecturer Society of Petroleum Engineers on Through Casing Resistivity (1998/99)  
Member of Russian Academy of Sciences (2003)  
Technical Achievement Award, SPWLA (2003) (June 2003)  
Kapitsa Gold Medal of Honor (2003)  
Reginald Fessenden Award, SEG (2003)  
Honorary Visiting Professor Yangtze University  
SEG Research Committee Chair, 2006-2008  
SEAM Corp. Board of Director member  
Global Advisor, SEG Global Affairs Committee

## **PROJECTS/ACHIEVEMENTS**

- Developed first marine cabled EM system.
- Developed innovative broadband marine EM exploration system funded by Major oil company.
- Carried out successful geosteering projects in area of Integrated single well seismic/EM imaging (Pre-Feasibility, Feasibility, is presently in Prototype phase) with Major oil industry funding.
- Demonstrated Business value for Full Field Density Monitoring (gravity) for 2 major oil companies.
- Carried out feasibility to use surface electromagnetics for reservoir monitoring (water flooding).
- Developed several Business Plans for e\*business in geosciences including web based training.
- Executive consulting to small engineering company in electromagnetics to prepare them for acquisition (EMI Inc. acquired by Schlumberger).
- Developed strategies in market entry in seismic permanent sensors and borehole seismic for Oyo Geospace.
- Provide scientific 'Checks and Balance' for a \$ 700 Million \$ oil field service company. (Baker Atlas)
- Develop science as acceptable tool for R&D and marketing/sales within an engineering organization.
- Initiated and guided close to commercialization numerous borehole technologies (Through Casing resistivity, 3D induction log, array laterolog, log inversion, and several projects in acoustic and seismic logging etc).
- Key initiator of several Industry/client sponsored R&D projects delivering proprietary advanced technology.
- Designed Western Atlas Logging Services's (WALS) strategy in electrical tool development.
- Built up of sensor laboratory resulting in first trial/first success of a complicated logging tool
- Founded and directed super-computer facility at WALS.
- Built 3D modeling group at WALS that is still (5 years after handover) one of the largest in the world
- Founded WALS's Technology library facilities
- Developed comprehensive Master Operating Procedures for research Scientist allowing 60 people from 20 countries to operate smoothly in a multi-cultural environment
- Supervised numerous industry research and engineering projects in electrical borehole geophysics and 3D modeling (At University of Cologne)
- One of the initiators of a large EU development project to demonstrate the combined capability of porosity mapping through high-resolution seismics and 3D electromagnetics
- Demonstration of deep TEM in frontier areas of hydrocarbon exploration in China and India including first test surveys for earthquake prediction
- Development of an analogue modeling system as support of EM interpretation for coal exploration
- Development of an integrated 3D interactive surface and borehole gravity interpretation system (as co-supervisor)
- Co-supervised 3D-induction log modeling in early 1980s which is still today 'cutting edge'
- Development of a data base system for petrophysical properties and its application to correlation studies for crystalline rocks (as co-supervisor)
- Development of a transient EM system for hydrocarbon exploration and geothermal exploration funded with several million dollars by the German Minister of Science & Technology & European Union
- Optimized EM interpretation (3D) using some of the most advanced 3D EM numerical modeling packages resulting in the World's first real data interpretation with 3D EM modeling
- LOTEM measurements around the German Deep Drilling program which were key elements in site selection and also in defining the target for the program.
- Ultra deep CSEM soundings over the Kaapvaal Craton, RSA making 20-km deep investigations from the surface using a medium power transmitter.

## DR. KURT-MARTIN STRACK

### REFERENCES

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Former Research manager of Amoco Research.  
Consultant to BHI and mentor while at Baker  
Atlas. Sven is A.v. Humboldt awardee.

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Former supervisor, colleague and mentor. Keeva  
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Former CEO of Western Atlas Logging Services  
and executive of Western Atlas; my mentor and  
last supervisor at Baker Atlas.

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Former advisor, colleague, supervisor and vendor  
during 15 years. Charles is A.v. Humboldt  
awardee.

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Formerly, Senior Vice President at Western  
Atlas. I work with in numerous functions and he  
was VP technology while I was in his R&D  
group. His role was to do the final reality check  
on my work.

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Banning Vail is the inventor of Through Casing  
resistivity. We had a very controversial yet  
constructive relationship over the last 7 years.  
We both have learned to appreciate each other  
through our work and efforts. He would be given  
you an unusual inside into my capabilities.

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Former, Senior VP Technology Western Atlas.  
We worked together on numerous occasions  
and he became my secondary mentor at  
Western Atlas.

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Department Head and former supervisor at the  
University of Cologne. He taught me  
department management and process  
methodology (which he learned as P.I. on NASA  
projects)

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Colleague, co-inventor and long time associate.

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Colleague, successor in Cologne, co-worker and  
former student. Andreas has worked with me in  
many different configurations and has the  
broadest exposure of my capabilities.

Further references available upon request.