

Personal Data

Name: Hassan B. Nimir

(Associate Professor), Consultant Engineer– Sudanese Engineering Council No. 370

Date of Birth: 01.11.1950

Address: Petroleum Engineering Dept, Faculty of Engineering, University of Khartoum, P.O.Box 325 Khartoum, Sudan

Tel: +249-183-776973, Fax: +249-183-772033

Email: hassannimir@ yahoo.com **OR** nimirs@hotmai.com.

Education

1995: **Ph..D.** in Petroleum & Natural Gas Engineering –New Mexico Institute of Mining & Technology (Socorro, United States Of America).

1988: **Master** of Science in Petroleum Engineering– New Mexico Institute of Mining & Technology (Socorro, United States Of America).

1978: **Bachelor** of Science in Chemical Engineering–University of Baghdad, Iraq.

Societies

- Fellow of Sudanese Engineering Society.
- Member of International Society for Petroleum Engineers (SPE) since 1988.
- Member of the Sudan Petroleum & lube oil standards committee.
- Member of Sudanese Environmental Protection Society.
- Member of United Nations Association-Sudan (member of wfuna)

Experience

June, 1997-Present: Head Petroleum Engineering Dept/University of Khartoum,

Planned and supervised all the Establishment stages of the Petroleum Engineering Department in the Faculty of Engineering & Architecture, University of Khartoum.

Faculty of engineering first year coordinator (1997-1998).

- Initiated and co-supervised training of national operators and maintenance workers for Petrodar Operating Co. The project value is more than 500,000 USD used to finance new equipment and computers for three laboratories in petroleum, mechanical, and electronics departments. Most of the Faculty staff and workers have benefited from this project (2005).
- Supported Schlumberger Company Ambassdor Program and works as focal person of the company at the University of Khartoum.
- Supervised Petrodar Production operators training program in the Faculty of Engineering (2006/2007) for more than 300,000 USD.
- Worked as co-principal investigator for a joint research project with University of China for Petroleum entitled: "Strategy for Restart of Greater Nile Co. (GNPOC) waxy gelled pipeline" with Principal investigator Dr. Mohammed Hashim (mechanical Engineering Dept.), 2007.
- Worked as principal investigator for a research project for a new device for quick screening of flow improvers polymers for Pipelines with Dr. Kamal Nasr Al Deen (Mechanical Engineering), 2006/2007
- Worked as principal investigator a research project for using Drag reducing agents to increase the throughput of product pipelines with a group of doctors from both petroleum and mechanical engineering departments (2004/2005).
- Headed Ministerial committee (Ministry of Energy & Mining) for solving different problems of Al-Obied Refinery fuel oil transportation, storage and industrial processing (2002/2003).
- Participated in Ministerial committee for development of petroleum and mining education and research, Ministry of Energy and Mining (2007).
- Worked as focal person for the local energy group in Sudan (Intergovernmental Panel for Climate Change (IPCC), May 2000.

- Participated (in the last 6 years) on 9 international conferences & workshops for different WMO/UNEP as petroleum specialist: Germany, Norway, Canada, Peru, Brazil, China, Australia, Spain, and New Zealand.
- Participated as lead author in the IPCC Carbon Capture and storage report (Chapter 5) IPCC, UNDP Publications, December 2005.
- Participated as lead author in the IPCC 4th Energy report, Chapter 4, Energy Supply, Global Hydrocarbon resources (December 2007) WMO, UNDP Publications.
- Headed the petroleum and industry Energy Assessment Committee (Assessment update), Ministry of Energy & Mining 2003.
- Worked as consultant in different capacities with petroleum service companies.
- COMESA consultant for petroleum products standards.

1991-1996: New Mexico Petroleum Recovery Research Center–USA

Employed as research assistant working on a Project entitled “Improved Oil Recovery” sponsored by USA Dept of Energy & 7 major oil companies.

1986-1991—Ministry of Energy & Mining-Sudan

Manager of Techno-economic Studies Department—National Energy Administration (Ministry of Energy & Mining). The administration worked as technical secretariat and thinking tank for the Minister and performed studies for strategic planning of the country in the energy field. I was directly supervising three sections (Energy resources, Energy conservation and Energy environmental impact Studies). The total number of employees of the department was about 25 graduates (four Ph.D's. and several Masters).

During this period I prepared in cooperation with other employees the country paper in several conferences in USA and Arab countries.

During this period I was involved in preparations of the First country Energy Assessment and the first National Energy Plan. I was primarily the coordinator for petroleum de-bottlenecking committee and participated in other hydrocarbon related committees.

1982-1988: Ministry of Energy & Mining-Sudan

Engineer in Petroleum studies section

1985-1986 : petroleum studies Section head.

1980-1982 : American-Saudi Oil Co. Aramco, Saudi Arabia

On-Job trainer in oil & gas production operations.

1978-1980 Assistant Engineer – Sudan Textile Industry-Sudan (boiler & water treatment for textile industry).

Training

Water Laboratory training Course—Central Lab. of Health, Ministry of Health, Sudan—1978.

Trainers Training Course—Aramco Training Center—Ras Tanura , Saudi Arabia(1980)

Energy Planning & Management—Stony Brook National Lab., NY,USA—1985

High Pressure Laboratory Safety Course: New Mexico Petroleum Recovery Research Center—1990

Publications & Presentations:

Petroleum Coke (Petcoke) — to be published in Ministry of Energy Magazine “Oil & Gas” in April, 2008.

- Oil and gas Engineering Education and Research—Case Study: Past, present and Future of the Department of Petroleum Engineering, University of Khartoum, Paper presented to the Sudanese Association of Petroleum Geoscientists “SAPEG” Conference and Exhibition 26 -28 March, 2008, Dr. Hassan B. Nimir, Dr. Nasr Deen H. Shams Al Deen and Dr. Kamal Nasur Al Deen—University of Khartoum.
- Strategy of Potential Environmental Protection in Sudanese Oil Industry, report to the Sudanese Environment Protection Society (Dec., 2007).
- Effect of Oil Industry in Forestry Sector in Sudan, H.B.Nimir & Abdel Salam Ahmed, paper presented in the Forestry Department Conference (2005)

- H. B. Nimir and R. Seright: "A Comparison of the Placement Properties of Foams and Gelants", SPE paper # 35172, presented at Bermian Basin SPE Conference, Bermian Basin, TX, USA, March1996.
- Improved Techniques for Fluid Diversion in Oil Recovery (Chapter 7). USA Dept of Energy Report under Contract # DE-AC22-92-BC14880.
- Fluid Diversion in Oil Recovery. Paper presented at the Third Scientific Conference on Energy and Development sponsored by National Research Center. Khartoum, April 1997.
- Polymer Flooding in Petroleum Industry. Sudan Energy News, Vol. 6, No. 2, 1989.
- Generation, transportation & Distribution of Electricity in Sudan. Sudan Energy News, June 1990.
- Study of Petroleum Storage Facilities in Sudan. Sudan Energy News, Vol. 2, No. 1, March 1985.
- Utilization of Natural Gas in the Red Sea Region, Sudan Energy News, Vol. 1, No. 1, March 1984.
- Presented and participated in several studies in different energy and environmental topics & Sudan Country paper in several conferences in Sudan & USA and the United Nations and Egypt (Oil & Environment):
- Serigh, R.S. and Nimir H.B: "Use of Foams as Blocking Agents," report PRRC 92-22, New Mexico Petroleum Recovery Research Center, Socorro, NM, May 1994.
- Mark, D., Nimir H.B., Shafie I.: "Utilization of Sudanese Crude Oil in Southern and Western Sudan," National Energy Administration, Ministry of Energy and Mining, Sudan, 1985.
- Nimir et. al.: "Sudan LPG Demand Forecast" National Energy Administration, Ministry of Energy and Mining, Sudan1983.
- Nimir et. al.: "Port Sudan Refinery Rehabilitation. Is it necessary?" National Energy Administration , Ministry of Energy and Mining, Sudan1984.
- Nimir et. al.: "Port Sudan Refinery Energy Conservation" National Energy Administration, Ministry of Energy and Mining, Sudan1983.

Environmental Projects

Participated in the following environmental studies for GNPOC

- Bashaier Terminal Environmental Base Line BSL (University of Khartoum Consultancy House), 1998.
- Greater Diffra Environmental Impact Study (Sudanese Environmental Society), 2005.

- Environmental Impact of Petroleum Coke-Fired Power Station at Gari Power Plant, NEC, 2006