

CURRICULUM VITAE : JOHAN SLABBER

1. PERSONAL DETAILS

Name: Johannes Francois Marius Slabber

Date of birth: 19 January 1939

Birthplace: Beaufort West, Cape Province

2. EDUCATION

1955 Matriculation: Technical High School Bloemfontein RSA

1956 – 1960 BSc. B. Eng (Electrical): Stellenbosch University, Stellenbosch RSA

1964 – 1965 Reactor Operations Supervision: Oak Ridge School of Reactor Technology Oak Ridge, Tennessee, USA

1975 – 1979 D. Mechanical Engineering: University of Pretoria, Pretoria RSA
(Thesis subject: Strength of Materials Under Extreme Dynamic Loading)

3. EXPERIENCE

Period: January 1961 to February 1964
Employer: South African Railways and Harbours
Post: Assistant Electrical Engineer

Period: March 1964 to February 1970
Training: At the Atomic Energy Board and for a period of 18 Months at the Oak Ridge School of Reactor Technology (ORSORT) in the United States

Period: March 1970 to December 1970
Employer: Atomic Energy Board
Post: Head of Reactor Utilization Department

Period: January 1971 to December 1978
Employer: Atomic Energy Board
Post: Head of Reactor Engineering Division

Period: January 1979 to December 1986
Employer: Atomic Energy Board
Post: Manager of Reactor Development Department

Period: January 1987 to August 1989
Employer: Atomic Energy Board
Post: General Manager Reactor Technology

Period: October 1989 to February 1994
Employer: Integrators of Systems Technology (IST)
Post: Chief Systems Engineer

Period: February 1994 to June 1999
Employer: International Atomic Energy Agency (Vienna)
Safeguards Department

Period: July 1999 to December 2005
Employer: PBMR company (PTY) LTD.
Post: Module Systems Engineer, Senior Nuclear Consultant

Period: December 2005 to March 2010
Employer: PBMR company (PTY) LTD.
Post: Chief Technology Officer

Period: 2005 to Present
Employer: University of North West (Potchefstroom Campus)
Post: Extra-ordinary Professor
Activities: Presentation of the Course: **Reactor Safety** as Part of the Masters Course in Nuclear Science and Engineering

Period: 2007 to 2009
Employer: Massachusetts Institute of Technology.
Post: Annual lecturing at the **Nuclear Plant Safety Course** of the MIT Department of Nuclear Science and Engineering Summer School

Period: 1 January 2010 to 30 September 2010
Employer: University of Pretoria.
Post: Extra-ordinary Professor in the Department of Mechanical and Aeronautical Engineering
Activities: Structuring of the Nuclear Engineering (Hons) course for 2011

Negotiating the availability of lecturers for the Honors course in Nuclear Engineering
Lecturing in Nuclear Engineering for graduate elective course in mechanical engineering

Period: 1 October 2010 to Present
Employer: University of Pretoria.
Post: Contract appointment: Temporary-Full Time Professor in the Department of Mechanical and Aeronautical Engineering
Activities: Lecturing and assistance in setting up of a Nuclear Research Institute (NuRI) at the University of Pretoria.
Provision of technical guidance in the management of nuclear technology development projects (when the NuRI is functional)

4 MEMBERSHIPS

Engineering Council of South Africa:
Registered Professional Engineer

Generation IV International Forum (GIF):
Member of the Steering Committee for High Temperature Reactors (until 2009)
Member of the Senior Industry Advisory Panel (SIAP) representing South Africa in my personal capacity (from 2009 to present)

5 PUBLICATIONS

All work done during the period at the Atomic Energy Board was published as Internal reports which in general was classified as "Confidential".

All work done during the period at IST was published in IST internal documents and in addition some initial PBMR related design work was classified as "Secret". Copies of these documents are being kept at the Product Data Management Department of PBMR (Pty) Ltd.

All work done at the IAEA was published as "Safeguards Confidential" reports.

Some publications of work done at PBMR (Pty) Ltd is still in the process of being finalized for re-submission.