

NAME: **Parlavantzas Konstantin**

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DATE OF BIRTH: 12-07-1956

NATIONALITY: Greek

EDUCATION:

1977-1980



Queen Mary College, University of London

1980

B. Sc. (Honours II-1) Mech.- Nuclear Engineering.

1980-1982



University of California, Berkeley.

1982

M. Sc. Mechanical – **Nuclear Engineering.**

1983-1984



U of Arizona, Tucson Arizona. Seminars and R&D in Process/Plant Computer Simulation.

2008 -



Royal Holloway College, University of London

MBA International Business

SPECIAL COURSES
1983-1997

Computational real time digital simulation. Computational work involving parallel multi-processors. Research work on LWR, Thermal Hydraulics- Neutronics. Seminars on Probabilistic Risk & Safety Assessment. Attendance and participation in several international Risk & safety conferences.

Courses up to **system administrator** level of computer architectures such as: **UNIX & AIX (IBM)** based open computer Systems, and RDBMSs (Relational Database Management Systems, including multimedia ones), information and computer security, leading and co-ordination of large scale computer systems.

LANGUAGES:

English, German, Greek

FOREIGN MISSIONS:



UK, USA, Japan, W Germany, Switzerland, Republic of South Africa

EDP:

Broad experience in a number of operating systems and environments (UNIX, AIX, X-Windows, CDC/DCL, VAX/VMS, PRIMUS, OS/2, DOS, DOS-Windows 98 & NT). Knowledge of computer languages (JAVA, FORTRAN, BASIC, **C**) hardware software applications on multimedia as well as several commercial PC applications such as **AutoCAD**.

PROFESSIONAL EXPERIENCE

NAME:

P a r l a v a n t z a s Konstantin

2004 -

WITH THE MINISTRY OF ECONOMY AND FINANCE (GREECE)

Executive SCS (06/2007 - present)

General Secretariat for Public Investment. Control/Evaluation of Public Investment Programs.

Special Councilor to the Minister (09/2004 - 06/2007).

Member in a number of multimillion Public Procurement committees for Goods and Services under EU Law

Coordinator of the 2399/2004 Investment Legislation.

Preparation/Participation of a Number of High Level Foreign Missions

1998 – 2004

WITH THE GFG DANGEROUS GOODS CONSULTING LTD.

A number of contracts in the **SWISS REINSURANCE CORPORATION** and other organisations in the **Dangerous goods transportation/handling** area.

1992- 1999

WITH ETH-EPFL - PSI

Project safety engineer on the effects of industrial accidents on the comparative assessment (health and environmental impacts) of energy systems.

Project Manager for the Risk and Safety Assessment of the "**SWISSMETRO**", public transport project. Science Collaborator with the EPFL.

Consulting Engineer in a variety of projects.

1991-1992

WITH FRAMASYS AG GROUP FRAMATOME [AREVA].

Project and Product manager in the area of Computer simulation of fields with application to structural analysis, electro - magnetism and fluid flow. Responsible for the Technical pre- and post-Sales Support, installations, client training etc.

1990-1991

WITH ABB POWER PLANTS AG

Technical Project manager for Gas and Steam turbine combined cycle power plants, responsible for the conceptual design of the thermal power cycle in combined cycle power plant.

1988-1990

WITH MOTOR COLUMBUS CONSULTING ENGINEERS (Now ALPIQ; at the time 77% Holding of UBS)

Project manager, on a survey of European Severe Accident Research and Development under contract to NUPEC, the Japanese Nuclear Power Engineering Testing Center and **MITI, the Ministry of International Trade and Industry**, Japan. The extensive survey culminated in a presentation of the results by myself to NUPEC, in Tokyo Japan on March 17, 1990

Work on the Applicability of the Reactor Risk Reference Document (NUREG 1150 Draft 1, Section: P Bottom unit 2) to Mühleberg NPP, Bern, Switzerland.

Development/support of a diffusion program to model the migration of hydrogen isotopes through structural materials (steels). The program was used to estimate the tritium inventory in the moderator tank of Nideraichbach NPP in the FRG, pending level 2 decommission. The work was performed under contract to the Karlsruhe Nuclear Research Center (KfK), FRG.

Development/Support/Marketing of PC based Engineering - Training Simulators for Pressurized and Boiling Water Reactors under contract to the Council of Nuclear Safety (Republic of South Africa).

Safety Peer review (Including Nuclear Criticality Safety) of a Reactor fuel fabrication facility (RBU) in the FRG, under contract to the German State Ministry of the Hessen state (HMUR).

Technical Investigation of the proposed Safety concepts for Advanced Nuclear Power Plant systems, under contract to **Mitsubishi Heavy Industries, Japan, Ltd.**

Radiation shielding analysis, on certain proposed modifications to the Gemeinschaftskernkraftwerk Neckar Block 2 Intermediate Waste Storage Facility.

Responsible for the Safety Evaluation, Feasibility, and Choice of Technology sections for the Rooppur Nuclear Power plant study under contract to the BAEC - IAEA.

Evaluation of current status of computerized Operation Support, Emergency Management, Expert Systems in

Western Europe, under contract to Japan Information Services.

1986-1987

WITH ELEKTROWATT ENGINEERING SERVICES (UK) LTD (Then 100% holding of Credit Suisse) FOR THE BRITISH NUCLEAR FUELS LTD (BNFL)

3-Dimensional gamma radiation shielding analyses and cost optimization on the First Intermediate Level Waste Encapsulation Plant (EP1), Product Store (EPS1) and Services Building (EPSB1). Radiation Shielding assessments on Pond 5 Sellafield and other BNFL operating plant for the purpose of proving modifications.

Safety Analysis work pertaining to nuclear chemical reprocessing (BNFL) plants. Zircalloy fines ignition safety case for the Thorp plant (Quality assurance). "Red oil" reactions Safety case (Quality assurance).

Development of methodologies for risk analysis, risk management (HAZOP/HAZAN) Hazard and Operability studies in large size Chemical Plant.

1980-1982

WITH THE UNIVERSITY OF CALIFORNIA, BERKELEY.

Research Assistant (Prof T. Pigford). Numerical simulation of the migration of radioactive chains through sorbing and adsorbing media. Work performed at the National Computer center of the Lawrence Berkeley Laboratory for the US Department of Energy.

Teaching Assistant. Involved in the teaching of the Final year courses in **Nuclear Chemical Engineering** (Nuclear Fuel Cycle) & Reactor Theory.

EECCCL user support staff. Support of utility users on the Nuclear power software library NUCLIB. Large code handling, administration, modification, and Quality Assurance work.

1979-1980

WITH QUEEN MARY COLLEGE OF THE UNIVERSITY OF LONDON.

Computer based numerical optimization studies of multi-layered reactor shielding for mobile (submarine) reactor systems.

WITH BABCOCK POWER (UK) LTD

Assistant design engineer. Pressure Vessel & piping division (London Headquarters). Thick plate Structural Analysis work on the primary heat exchanger of the Commercial Fast Reactor project. ASME Code Qualification.

SUMMER 1979

WITH THE CENTRAL ELECTRICITY GENERATING BOARD

Research Officer. Berkeley Nuclear Laboratories. Division of structures & Mechanisms. Experimental work on the combined effects of heat, thermal and radiation on the stress relaxation properties of elastomers such as those used in O-rings seals.

SCHOLARSHIPS:

1977-1982

UNIVERSITY OF ATHENS

A five year fellowship for the purpose of studying abroad was awarded by the U of Athens, Greece on the result

of a nation-wide competitive examination.

1980-1982

UNIVERSITY OF CALIFORNIA BERKELEY

Tuition scholarship. Teaching and Research Assistantships.

1983-1984

UNIVERSITY OF ARIZONA, TUCSON

Tuition scholarship.

OTHER RELEVANT DATA:

1984-1986

ARMED FORCES

Military Service with the Greek Army Special Forces (marines), Officer Specialization. For over 8 months at the NATO General Command Headquarters in Athens, Greece.

REVISED
10:28 am, May 16, 2014