



Alan Waltar

Dr. Alan E. Waltar currently serves as Senior Advisor to the Pacific Northwest National Laboratory (PNNL) in Richland, WA, having recently retired as Director of Nuclear Energy. He was Professor and Head, Nuclear Engineering, Texas A&M University from 1998 to 2002, where he helped to build that program into the nation's largest Department of Nuclear Engineering.

Dr. Waltar served as President of the 16,000-member American Nuclear Society during 1994-1995. He was elected a Fellow of the Society in 1984. He holds a B.S. in electrical engineering (University of Washington), an M.S. in nuclear engineering (MIT), and a Ph.D. in engineering science (University of California, Berkeley).

His distinguished career with Westinghouse Hanford Company included leadership positions in several areas of advanced reactor technology. He served on the faculty at the University of Virginia where, with Professor Albert Reynolds, he co-authored the FAST BREEDER REACTORS textbook. In addition to organizing numerous international technical conferences, Dr. Waltar has published over 75 open literature scientific articles.

Dr. Waltar authored AMERICA THE POWERLESS: Facing Our Nuclear Energy Dilemma, in 1995 and has just published his newest book, RADIATION AND MODERN LIFE: Fulfilling Marie Curie's Dream, which articulates the enormous beneficial uses of radiation to society.

Annick Carnino

In her capacity as Director of the Division of Nuclear Installation Safety, Ms. Carnino was responsible for managing and co-ordinating the activities of a Division, which promotes safety in nuclear installations through development of safety documents, conducting safety assessments, collection and dissemination of information on safe operational practices and the provision of peer review safety services.

As Head of the Safety Standards and Co-ordination Section, Ms. Carnino's activities were, inter alia, safety standards, management of International Safety Advisory Group (INSAG) and Nuclear Safety Advisory Group (NUSSAG), development and of Nuclear Safety Convention.

While at the Electricité de France the Direction Generale for the Safety and Security of EDF nuclear installations, Ms. Carnino's duties included among others management of the EDF PSA on PWR 1300 MW, event investigations in the field, especially when human factors were involved, internal audits and inspections, development of safety culture and human factors.

In 1990, as a special assistant to the Director of Nuclear Safety Division, the tasks to Ms. Carnino allowed her to participate in the International Chernobyl Project as task leader and in the design and operation safety review missions on Soviet designed reactors.

During the time she worked for the French Atomic Energy Commission, Ms. Carnino performed safety experiments on the Cabri reactor for Pressurized Water Reactors, Fast Breeder Reactors and Gas Graphite Reactors, provided technical support to the French Safety Authority, and developed probabilistic safety assessments for the nuclear industry, developed human factors consideration in PSA and in operation.

Ms. Carnino is a "Fellow" of the American Nuclear Society and has been placed in the ninth edition (1989) of Who is Who in Engineering selected by the Board of Governors of the American Association of Engineering Societies and was awarded the Tommy Thompson award for her outstanding contributions in the areas of reliability design, analysis, human factors, probabilistic safety assessment and development of safety culture, as well as for her leadership in improving the safety of nuclear installations worldwide, especially in developing countries and in eastern Europe. Ms. Carnino is author of a book entitled "Catastrophe?... Non merci!", published in Paris in 1989 and in New York in 1990 under the English title "Man and Risk".

Bob Seidel

Bob Seidel participated in a wide range of initiatives to improve nuclear fuel and structural material performance for several reactor types throughout his career at Argonne National Laboratory. His understanding of EBR-II metallic driver fuel performance and lifetime led to improvements in design, a several-fold increase in useable lifetime and qualification of the fuel for off-normal conditions that enabled EBR-II to demonstrate features of inherent passive safety. His efforts also led to the fabrication and irradiation of the first large-scale plutonium-bearing metallic fuel assemblies in EBR-II and FFTF that laid the foundation for the development of advanced fast reactors.

Dr. Seidel championed the Argonne West summer intern and faculty programs for many years. In 2005, Dr. Seidel was honored to be one of the mentors of the inaugural WNU Summer Institute held in Idaho Falls, Idaho.

Dr. Seidel is a Fellow of the American Nuclear Society and has served on the Board of Directors and as Chair of the Materials Science Division. He has been recognized with three American Nuclear Society Distinguished Service Awards. Dr. Seidel has numerous publications and one patent and currently is active in visual and electronic arts.

Dr. Seidel holds both M.S. and Ph.D. degrees in Materials Science from Northwestern University and a B.S. in Metallurgy from Montana College of Mineral Science and Technology.

George Yadigaroglu

George Yadigaroglu is Professor emeritus of Nuclear Engineering, Swiss Federal Institute of Technology-Zurich (ETH-Zurich) and President and founder of ASCOMP, an ETH spin-off company specializing in applied scientific computing. From 1988 to 1999 he also headed the Thermal-Hydraulics Laboratory at the Paul Scherrer Institute, the national research laboratory in Switzerland.

He was previously, from 1970 to 1982, Assistant, Associate and finally Professor of Nuclear Engineering at the Univ. of California-Berkeley, and served as Head of the Nuclear Regulatory Service in Greece during the period 1979-1982.

He studied mechanical Engineering at the Ecole Polytechnique Fédérale of Lausanne, Switzerland and obtained his doctorate in Nuclear Engineering from MIT. His areas of technical specialization are thermal-hydraulics applied to nuclear reactor safety and more generally thermodynamics / heat transfer / fluid mechanics and the application of computational fluid mechanics methods to multiphase flows, risk assessment and siting of nuclear power plants, risks and environmental impact of energy production, utilization and energy resources.

He is active in research and consulting for various organisations and national laboratories and is a member of several national and international committees dealing with nuclear safety issues. ANS Technical Achievement Award. ANS and ASME Fellow. Former Assoc. Editor of the *Int. J. of Multiphase Flow*.

Gil Brown

Dr. Gilbert J. Brown is Professor and Coordinator of the Nuclear Engineering Program at the University of Massachusetts Lowell. During a sabbatical and summers he has held positions at national laboratories, Yankee Atomic, Seabrook, and Stone & Webster. In addition, he worked at the IAEA in safeguards training and was a visiting professor at MIT. Research in such areas as fast reactors, materials, cogeneration, and technology and values has resulted in one patent and over 50 publications. He contributed to the OECD study on "Nuclear Education and Training: Cause for Concern".

Dr. Brown is a Fellow of the American Nuclear Society and has served on their Board of Directors and as Chair of the Education Division. He is Chair of the Nuclear Engineering Department Heads Organization (NEDHO), a member of the National Nuclear Accreditation Board, and a Director of ABET, the recognized accreditation organization for engineering programs in the U.S. He holds membership in the American Institute of Chemical Engineers, the American Society of Engineering Educators, Sigma Xi, and the Society for Literature and Science.

Dr Brown has a Doctorate in Nuclear Engineering from the Massachusetts Institute of Technology and a Bachelor of Science Degree in Engineering Physics from Cornell University.

Jean-Louis Nigon

Jean-Louis Nigon, retired since September 2005, spent his last professional year seconded by AREVA to the WNU Coordination Centre in London during which time he served as a Mentor during the 2005 Summer Institute in Idaho Falls. He is presently working part-time voluntarily for the WNU.

He previously worked for AREVA-NC (COGEMA) for sixteen years including four years as Deputy Vice-President for Research and Development. He was simultaneously a Delegate to the Nuclear Standard Activities of AREVA, and Chairman of ISO-TC85, the Technical Committee on Nuclear Energy. Before focusing on Research and Development management, he was Deputy Vice-President of COGEMA in the Fuel Branch, where he was in charge of plutonium fuel.

While working for Areva-NC, M. Nigon taught "Nuclear Reactor Technology" at the Conservatoire National des Arts-et-Métiers in Paris, an educational institution specifically dedicated to the continuing education of young professionals who want to improve their qualifications.

From 1967 to 1990 M. Nigon worked for the Commissariat à L'Energie Atomique (CEA) in Saclay, Grenoble, and Cadarache (France) in the areas of core physics, thermal-hydraulics and safety as well as core and fuel design for submarines.

Jean-Louis Nigon is a graduate of the Ecole Polytechnique; he also received a degree in Reactor Physics. He is a Fellow of the American Nuclear Society. Even more important than all the above, he is a grandfather of six grandchildren.

Lars Högberg

Lars Högberg obtained a M. Sci. in plasma physics at Uppsala University in 1961. After serving with the National Defence Research Institute, he joined the Swedish Nuclear Power Inspectorate (SKI) in 1980, first as Director, Office of Regulation and Research, and from 1989 through 1999 as Director General. Before retiring from active government service in 2001, he served in the Ministry of the Environment with special assignments, mainly related to nuclear safety within the European Union.

On the international scene, he has served as chairman of the OECD/NEA Steering Committee and of the NEA Committee of Nuclear Regulatory Activities (CNRA). He has also served as IAEA Governor for Sweden. He has been a member of the IAEA's International Nuclear Safety Advisory Group (INSAG) and was elected president of the 1st Review Meeting of the international Convention on Nuclear Safety. He was a founding member of the Western European Nuclear Regulators' Association (WENRA). In 1991 he was elected Fellow of the Royal Swedish Academy of Engineering Sciences (IVA). In recent years he has worked as a consultant in nuclear safety, both nationally and internationally.

Yves Chelet

Yves Chelet spent his career with the French Atomic Energy Commission (CEA) and held the position of Director of the Institut National des Sciences et Techniques Nucleaires (INSTN), in Saclay, from 1982 to 1995, when he retired. While he was Director of INSTN, the institution that organizes post-graduate programmes in specialized subjects related to nuclear activities, he worked to develop collaboration with French Universities. He also promoted it as an active partner with the IAEA for organizing international courses.

Before becoming Director, Mr. Chelet taught Nuclear Reactor Technology at INSTN and in different Schools of Engineering in France. He also has given courses in foreign countries including the University of Rio de Janeiro in Brazil, and the Asian Institute of Technology in Thailand.

After graduating from Ecole Supérieure d'Electricité he decided to work in the field of nuclear energy. He completed a post graduate course in Nuclear Physics in Paris then attended the 6th session of the International Institute of Nuclear Engineering organized at Argonne National Laboratory as part of President Eisenhower's Atoms for Peace programme.

Since his retirement from the CEA, Mr. Chelet has been involved in a variety of activities related to education and training in the nuclear field.