

## ***ALESSANDRO CLERICI - CURRICULUM VITAE***

Sandro became “dr. in electrical-engineering” in the Milan Polytechnic Institute and joined CESI (Italian Electrical Experimental Centre) in 61. As manager of “Network Analysis dept.” and as Technical Commercial Director of CESI and of the “ENEL-CESI Cooperation” he has coordinated Generation, Transmission and Distribution System Studies in more than 40 countries, with personal involvement in the development of the largest EHV and UHV systems worldwide ( Canada, Usa, Brazil, Venezuela, Argentina, South Africa, Congo, Spain, Portugal, Sweden, Italy, India, Iran, Iraq, etc.)

In 1980, as Central Manager for Technology and Business Development, he joined the SADE-SADELMI Group (Contracting Company of G.E.) supporting G.E. companies in energy projects around the world; he has introduced CAD systems, restructured and managed the engineering activities of the Italian Company and promoted/built new “green” compact overhead lines and pushed the introduction of combined cycle plants.

From 1989 he has been in ABB initially as Technology Manager of the new company SAE SADELMI and as R&D manager for the Business Area Power Lines of ABB worldwide; from ‘91 to ‘95 he has been Managing Director of “ABB Sistemi Trasmissione Energia” and up to 2001, member of the International Board of the ABB Business Area Power Systems, promoting worldwide projects relevant to electricity and/or gas transmission. From 1995 to November 2001 he has been Executive Vice President Business Dev. &Technology of ABB Italy and member of the Executive Committee, with responsibility, among the others, of the ABB key accounts (ENEL, ENI, FIAT, Municipalities etc.). He has taken active part as board member of ABB Companies, CESI, AEM (Milan Municipality).

Since November 2001 he is senior consultant to the CEO of ABB S.p.A. Italy and to other energy companies and organizations. He has proactively promoted and he is promoting electrical interconnections worldwide and the adoption of “Merchant Lines” in Italy. Within a restricted ABB team he has actively participated to missions in China for the development of the future UHV AC 1000 kV system and for UHV DC +/- 800kV Chinese interconnections. He has promoted new approaches to Italian Utilities. He has conducted feasibility studies for power plants in general and in particular for nuclear plants in liberalized markets and he has organized a series of meetings for analyses of possible nuclear options for Italy, with talks up to the top governmental level. In 2005-2006 he has taken active part in the ABB capture team for the SAPEI HVDC project (Sardinia-Italy) and he has had a leading position for the ABB acquisition of the 1000 MW converter stations.

He has taken and is taking active part in Associations, Congresses, round tables and has authored or co-authored more than 200 international (IEEE, IEE, CIGRE, WEC etc.) and national papers in the energy field. He is IEEE Fellow and 1990 best paper price. He as got the ‘92 A. Volta award of AEI (Italian Electrical Association) for his outstanding contributions.

From 1999 to 2003 he has been Vice President for Energy and Environment of ANIE (Italian Federation of Electrotechnical and Electronic Industries) and up to March 2007 member of the ANIE Executive Committee. He has taken active part as ANIE delegate in the Energy Commission of Confindustria where he is now Vice President and coordinator of the special task force on “Energy Efficiency”.

He is Honorary Chairman and board member of the WEC (World Energy Council) Italian Committee after having been Chairman from 2001 to 2004 and having personally promoted and secured to Italy the Rome 2007 World Energy Congress. He is President of FAST (Federation of Scientific and Technical Associations) and Member of the Energy Committee of Assolombarda.

He is Past President of AEIT (the former AEI-Italian Electrical and Electronic Association) and member of the steering committee. From 1997 to 2000 he has been in the board of IEFE (Institute on Economy of Energy Sources - Bocconi University of Milan) and in 2004 Vice Chairman of EUREL (Convention of National Societies of Electrical Engineers of Europe) and of CEI (Italian Electrotechnical Committee).

He has been Chairman of the WEC Survey of World Energy Resources for the period 2002/04 and he has been for AEEG (Italian Authority for Electricity and Gas) the Chairman of the Executive Committee of the “Rome 2003 World Forum on Energy Regulation”.

He has been appointed in 2005 by Mr. Pierre Gadonneix (EdF CEO and Vice President for WEC Europe) as chair of the WEC Study Expert Group on "Future Role of Nuclear Power in Europe" and Member of WEC Europe Study Group on “Security of Energy Supply”.

In October 2005 he has been appointed member of the Technical and Scientific Committee “Network and Services” of the Lombardia Region with responsibility for the energy sector.

Since July 2006 he is member of the EC ad hoc group 5 “Long Term Energy Future for the EU” of the High Level Group on Competitiveness, Energy and Environment.

In September 2006 he has been appointed by WEC as member of the Task Force for the development of the huge Inga hydro plant in Congo (more than 20,000 MW).

October 2007