

## **Nelson Martins' Bio Sketch (last update June 2003)**

B.Sc. (1972) Elec. Eng. from Univ. Brasilia, Brazil; M.Sc. (1974) & Ph.D. (1978) degrees from UMIST, UK. Dr. Martins works in CEPEL, the Brazilian Electrical Energy Research Center located in Rio de Janeiro, since 1978, developing methods and computer tools for power system analysis and control and as consultant or project manager to various engineering studies. Technical Director of CEPEL from October 2001 to February 2003 and currently in the function of Research Consultant, Electrical Power Systems.

Member of the Brazilian Ministry for Energy Working Group GCE-103 "The January 21, 2002 Blackout: Analysis of its Causes and Means for Reducing the Impact of Future Disturbances", whose report was published in June 2002.

Past convenor of the CIGRE TF 38.02.16 on "Interaction among Power System Controls" (CIGRE Brochure 166, August 2000). Convenor of the CIGRE TF 38.02.23 on "Coordinated Voltage Control in Transmission Networks". Former 2<sup>nd</sup> Vice-President of the CIGRE Brazilian Committee, having received the award "Distinguished Member" of CIGRE in July 2002.

Chair of the Power System Stability Controls Subcommittee, IEEE-PES Power System Dynamic Performance Committee, for the term July 2003 – July 2007. Co-chair of the Small Signal Stability Focus Group, Power System Dynamic Performance Committee. Elected Fellow of the IEEE, in 1998, "for fundamental developments in eigensolution algorithms and small signal stability analysis for the control of large-scale power systems". Member of the IEEE-PES Fellow Committee for the term 2002 – 2004.

Published 140 technical papers in Brazil and abroad, 25 in the IEEE Transactions of Power Systems and Power Delivery. Invited panellist to 35 panel sessions of major international conferences. Lecturer to brief courses on "Advanced Computer Methods for Small Signal Stability Analysis and Control" in Brazil, Chile, USA, Canada, UK, Norway, Sweden, France, Germany and Japan.