

CURRICULUM VITAE OF
GIAN CARLO MONTANARI
PROFESSOR OF THE FACULTY OF ENGINEERING
UNIVERSITY OF BOLOGNA

Born in Bologna on 8 November 1955, he received his Dr. Eng. degree in Electrical Engineering from the University of Bologna with the maximum rank and honours.

From 14 May 1983 to 15 June 1987 he joined the University of Bologna, Institute of Industrial Electrotechnic, as an Assistant Professor.

On June 1987 and October 2000 he became Associate and Full Professor of Electrical Technology, respectively, at the Department of Electrical Engineering, and still teaches the same course at the University of Bologna (besides that of Reliability and Statistics of Electrical Systems). For 2001 he is also a member of the Board of the Excellence College of the University of Bologna.

He has worked since 1979 in the field of aging and endurance of solid insulating materials and systems at the department of Electrical Engineering, where he is responsible for the Material Engineering and High-Voltage Laboratory. He is also engaged in the fields of power quality and power systems design, power electronics, statistics and new materials for electrical applications (superconductors, nanomaterials, piezoelectrics).

He won the 1987 Committee Prize Paper Award of the Industrial and Commercial Power System Department of IEEE on Industry Application for the paper "Voltage-Distortion Compensation in Electrical Plants Supplying Static Power Converters". In 1988 he was awarded by the prize "Faletti-Nosari" from AEI (Associazione Elettrotecnica Italiana) for the paper "Voltage and current distortion compensation in electrical plants supplying static converters" (in Italian). In 1995 he won the prize "Asea Brown Boveri" given by AEI for the paper "New statistical techniques for the identification of partial discharge phenomena" (in Italian).

Since 1987 he is member of the working group 1 of Committee 15E IEC, becoming convener in 1996. He is also member of the WG 4 of IEC 15E, WG 1, 2, 3 and convener of WG4 of IEC 98, JWG10 of IEC 98/42, as well as convener of the WG 15 of IEC 33.

Since 1996 he is the Italian representative in CIGRE', TC 15 and President of the Italian Chapter of the IEEE DEIS.

From 1995 to 1999 he was AdCom member of the IEEE DEIS and member of the board of the conference IEEE CEIDP (Conference on Electrical Insulation and Dielectric Phenomena). From 2000 he is corresponding member of IEEE DEIS. He is member of the Advisory Committee of the conferences IEEE ISEI (International Symposium on Electrical Insulation) and IEEE ICPADM (International Conference on Properties and Applications of Dielectric Materials). He is also member of the Scientific Committee of the conference IEEE CSC (International Conference on Space Charge in Solid Dielectrics), the conference IEEE ISE (International Symposium on Electrets) and of the International Advisory Committee of the conference IEEE ISEIM (International Symposium on Electrical Insulating Materials) and INSUCON. From 1988 to 1999 he was also member of the Scientific Committee of the IEEE International Conference on Harmonics in Power Systems (ICHPS; ICHQP since 1996).

He organized the 1994 IEEE ICHPS VI and the 1995 EAEEIE Conference. He has been session chairman and organizer of several conferences, among them ICHQP, ISEI, ISEIM, ICSD, CEIDP. He has been also program chairman of the IEEE International Conference on Conduction and Breakdown in Solid Dielectrics (June 1992). He was asked for several invited papers in international conferences and workshops.

He is convener of the Statistics Committee and member of the Space Charge, Multifactor Stress and Meetings Committees of IEEE DEIS.

Since 2001 he is Associate Editor of IEEE Transactions on Dielectrics and Electrical Insulation.

He is referee of IEEE Transactions on Dielectrics and Electrical Insulation, IEEE Transactions on Reliability, IEEE Transactions on Power Delivery and Power Systems, IEEE Transactions on Industry Applications, Journal of Physics and other Journals. He is international referee for the Foundation for

Research, Science and Technology of New Zealand , for the National Research Council of Norway and for the Engineering and Physical Sciences Research Council, UK..

He founded and leads the LIMAT (High Voltage and Material Engineering Lab) of the Department of Electrical Engineering of the Bologna University.

He is President of the spin-off TechImp, established on 1999.

He is responsible of national and international research project, involving public institutions (as the Ministry of University and Research of Italy and the European Community) and private structures (Pirelli, Borealis, Enichem, ENEL).

He is IEEE Fellow and member of AEI and The Dielectrics Society.

He was member of the Observatory of Research of the University of Bologna.

Since 1997 he is the President of the Council of the Course in Electrical Engineering of the University of Bologna.

He is author of 410 scientific papers. 89 of these papers were published in IEEE Transactions, 60 in major international scientific journals, 21 in the most important Italian journal, while 215 papers were presented at international conferences.

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