

Short Curriculum Vitae of Vincenzo Coccoresse

Key Person Name	Vincenzo COCCORESE
Firm name and location	Università degli Studi di Napoli "Federico II" Consortium CREATE Via Claudio 21, 80125 Napoli, Italy e-mail: create@unina.it web site: http://www.create.unina.it/ Tel. +39-081-768-3243 Tel/Fax +39-081-768-3171 Personal Email: coccoresse@unina.it
Years experience - total	40
Years experience - with current firm	21
Education (degree and specialization)	[1972] Degree, magna cum laude, Electronic Engineering, Univ. Naples
Current professional registration (state and discipline)	Full professor of Electrical Engineering
Other professional qualifications (Awards, Publications, Organizations, Training, etc.)	<p>[1973-77] Ministerial grant holder, Univ. Naples [1975-1978] Member of the JET Team, Culham Laboratory (UK) [1978] Prof. in charge of Electrical Technologies, Univ. della Calabria [1978-82] Prof. in charge of Electrical Engineering, Univ. Naples [1982-86] Associate Prof. of Electrical Engineering, Univ. Naples [1983-84] Member of the NET Team, Max Planck Institut fuer Plasmaphysik (FRG) [1986-todate] Full Prof. of Electrical Engineering at Univ. Reggio Calabria up to 31/10/2001 and at Univ. Napoli "Federico II" (http://www.unina.it/) since Nov 2001 [1989-99] Head and Dean of the Faculty of Engineering, Univ. Reggio Calabria (http://www.ing.unirc.it/) [1993-94] Head of the DIEMA Dept., Univ. Reggio Calabria [1999-2001] Vice Rector of Univ. Reggio Calabria [1992-todate] President and legal representative of the CREATE Research Consortium (http://www.create.unina.it/) [2002-2006] Project Leader of the JET (http://www.jet.efda.org/) Enhancement on Magnetic Diagnostics [2006] Project Leader of the JET (http://www.jet.efda.org/) EP2 Enhancement on Radiation Hard Hall probes [2006-2010] Project Manager in the Operations/Enhancement at EFDA-JET, CSU Culham, UK [1996-todate] Coordinator of the CREATE Group in the framework of the Association EURATOM-ENEA.</p> <p><u>Research interests:</u> Nuclear Fusion, Computational Electromagnetics, Plasma Engineering, Electromagnetic Non Destructive Evaluation.</p> <ul style="list-style-type: none"> • Responsible or scientific collaborator of research contracts or projects on Plasma Engineering; on eddy current effects in Tokamaks; on Non Destructive Testing on materials. • Chairman or member of the organizing committees of international symposia. • Member of Administration Boards of education and/or research institutions. • Member or collaborator of international groups of fusion research of (e.g. FINTOR, JET, NET, INTOR, ITER). • Author or co-author of more than a hundred of scientific papers. • Member of the Editorial Board of scientific journals and IEEE member. <p><u>Main publications</u></p> <ul style="list-style-type: none"> • R. Albanese, E. Coccoresse, G. Rubinacci: "Plasma Modelling for the Control of Vertical Instabilities". Nuclear Fusion, Vol. 29, No. 6, 1989,

	<p>pp. 1013-1023.</p> <ul style="list-style-type: none"> • R.Albanese, G.Ambrosino, E.Coccorese, J.Lister, A.Pironti, D.Ward, , Modelling and Engineering Aspects of the Plasma Shape Control in ITER, SOFT 96, Lisbona, Portugal, Sept. 1996. • Coccorese, F.C.Morabito, A Neural Network Approach for the Reduction of the Dimensionality of Slowly Time-Varying Electromagnetic Inverse Problems, IEEE Transaction on Magnetics, Vol.32, No.3, May 1996, pp.1306-1309. • L. de Kock, E. Coccorese, A.E. Costley, M. Dremir, J. Gernhardt, S. Kasai, J. Leuer, P. Mc Carthy, A. Portone, I. Senda, T. Shoji, R. Snider, P. Stott, C. Walker, K. Young, V. Zaveriaev "The Design of the Magnetic Diagnostic for ITER", The 12th Topical Conference on High Temperature Plasma Diagnostics in Review of Scientific Instruments, Princeton (USA), giugno 1998 • E. Coccorese, R.Martone, F.C.Morabito: "Identification of non-circular plasma equilibria using a neural network approach", <i>Nuclear Fusion</i>, Vol. 34, n.10, Oct 1994, pp.1349-63. • G. Chitarin, et al (V. Coccorese), "Design of Ex-Vessel Magnetic Probes for JET-EP", <i>Fusion Engineering and Design, Volume 74, Issues 1-4, November 2005, Pages 727-731.</i> • V. Coccorese, et al, "Design of the new magnetic sensors for JET", <i>Review of Scientific Instruments</i>, Vol 75, N. 10, October 2004, 4311-4313 • Simone Peruzzo, W. Baker, V. Coccorese, T. Edlington, S. Gerasimov, S. Huntley, N. Lam, A. Loving, C. Marren, N. Pomaro " Status of design and manufacture of the Upper Coils and Outer Poloidal Limiter Coils subsystems for the JET-EP magnetic diagnostic" <i>Fusion Engineering and Design, Volume 74, Issues 1-4, November 2005, Pages 733-738</i> • V Coccorese, G Artaserse, G Chitarin, A Quercia, A Murari, S Gerasimov, "Assessment of new ex-vessel magnetic measurements in JET", <i>Review of Scientific Instruments</i> 77, 10E317 (2006) • V Coccorese, G Artaserse, G Chitarin, T Edlington, S Gerasimov, S Peruzzo, A Quercia, C Sowden, Manufacturing and Commissioning of the new Ex-Vessel Magnetic Diagnostics System for JET, <i>Fusion Eng. Design</i> 82 (2007) 1348-1358.
Knowledge of English language	Excellent
Understanding (Low/Medium/High)	High
Speaking (Low/Medium/High)	High
Technical writing(Low/Medium/High)	High
Other Languages	French (level: good), German (level: low)