

## Short Curriculum Vitae of Vincenzo Coccorese

<b>Key Person Name</b>	Vincenzo COCCORESE
<b>Professional qualification</b>	Full professor of Electrical Engineering (ING-IND-31) since 1985
<b>Present work status</b>	Retired (since 1/11/2017)
<b>Present (main) affiliation and role</b>	President and legal representative of <b>Consortium CREATE</b>
<b>Present Subsidiary affiliation and role</b>	Univ. Napoli Federico II - DIETI, Via Claudio 21, 80125 Napoli, Italy Guest lecturer in Electrical Engineering (ING-IND-31)
<b>Years of experience as scientist</b>	>40
<b>Years of experience as scientist within the present affiliation</b>	>25
<b>Years of experience as full professor</b>	>30
<b>Education (degree and specialization)</b>	[1972] Degree, magna cum laude, Electronic Engineering, Univ. Naples
<b>Other professional qualifications (Awards, Publications, Organizations, Training, etc.)</b>	<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</p> <p>[1982-86] Associate Prof. of Electrical Engineering, Univ. Naples</p> <p>[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" (<a href="http://www.unina.it/">http://www.unina.it/</a>) since Nov 2001</p> <p>[1989-99] Head and Dean of the School of Engineering, Univ. Reggio Calabria (<a href="http://www.ing.unirc.it/">http://www.ing.unirc.it/</a>) [1993-94] Head of the DIEMA Dept., Univ. Reggio Calabria</p> <p>[1999-2001] Vice Rector of Univ. Reggio Calabria</p> <p>[1992-todate] President and legal representative of the CREATE Research Consortium (<a href="http://www.create.unina.it/">http://www.create.unina.it/</a>)</p> <p>[2002-2006] Project Leader of the JET (<a href="http://www.jet.efda.org/">http://www.jet.efda.org/</a>) Enhancement on Magnetic Diagnostics</p> <p>[2006] Project Leader of the JET (<a href="http://www.jet.efda.org/">http://www.jet.efda.org/</a>) EP2 Enhancement on Radiation Hard Hall probes</p> <p>[2006-2010] Project Manager in the Operations/Enhancement at EFDA-JET, CSU Culham, UK</p> <p>[1996-2013] Coordinator of the CREATE Group in the framework of the Association EURATOM-ENEA and responsible of the Agreement ENEA-CREATE for the Contract of Association.</p> <p>[2014-todate] Coordinator of the CREATE Group in the framework of the EUROfusion Grant Agreement and responsible of the linked third party Agreement with ENEA-CREATE for EUROfusion.</p> <p><u>Research interests:</u> Nuclear Fusion, Computational Electromagnetics, Plasma Engineering, Electromagnetic Non Destructive Evaluation.</p> <ul style="list-style-type: none"> <li>• Responsible or scientific collaborator of research contracts or projects on Plasma Engineering; on eddy current effects in Tokamaks; on Non Destructive Testing on materials.</li> <li>• Chairman or member of the organizing committees of international symposia.</li> <li>• Member of Administration Boards of education and/or research institutions.</li> </ul>

	<ul style="list-style-type: none"> <li>• Member or collaborator of international groups of fusion research of (e.g. FINTOR, JET, NET, INTOR, ITER).</li> <li>• Author or co-author of more than a hundred of scientific papers.</li> <li>• Member of the Editorial Board of scientific journals and IEEE member.</li> </ul> <p><u>Main publications</u></p> <ul style="list-style-type: none"> <li>• R. Albanese, E. Coccorese, G. Rubinacci: "Plasma Modelling for the Control of Vertical Instabilities". Nuclear Fusion, Vol. 29, No. 6, 1989, pp. 1013-1023.</li> <li>• 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.</li> <li>• 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.</li> <li>• 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</li> <li>• 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.</li> <li>• 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></li> <li>• V. Coccorese, et al, "Design of the new magnetic sensors for JET", Review of Scientific Instruments, Vol 75, N. 10, October 2004, 4311-4313</li> <li>• 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></li> <li>• V Coccorese, G Artaserse, G Chitarin, A Quercia, A Murari, S Gerasimov, "Assessment of new ex-vessel magnetic measurements in JET", Review of Scientific Instruments 77, 10E317 (2006)</li> <li>• 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.</li> </ul>
<b>Knowledge of English language</b>	Excellent
<b>Understanding (Low/Medium/High)</b>	High
<b>Speaking (Low/Medium/High)</b>	High
<b>Technical writing (Low/Medium/High)</b>	High
<b>Other Languages</b>	French (level: good), German (level: low)