CURRICULUM VITAE

PERSONAL INFORMATION

Name	**LUCA NOVELLO**
Address	
E-mail	
Nationality	
Date of birth	

WORK EXPERIENCE

Dates (from – to)	May 2011 - Now
• Name and address of employer	Fusion for Energy (Garching – Germany)
• Type of business or sector	JT-60SA Department
• Occupation or position held	Responsible Officer for the integration of the JT-60SA Power Supplies
• Main activities and responsibilities	Technical supervision of the procurement arrangements for JT-60SA Superconducting Magnet Power Supplies, Switching Network Units, Quench Protection Circuit and Resistive Wall Mode Control Power Supplies, including: • Definition of technical specification of components to be procured • Review of detailed design performed by industrial suppliers • Validation of test on components according to applicable technical specifications and international standards • Definition and management of interfaces with Japanese auxiliary plants • Integration of control systems with the central control system of JT-60SA • Contribution to the definition of requirements of interfacing systems such as TF magnets, PF magnets, Quench protection system

• Dates (from – to)	September 2005 – April 2011
• Name and address of employer	Consorzio RFX (Padova – Italy)
• Type of business or sector	Power Supply group
• Occupation or position held	Researcher
• Main activities and responsibilities	Involved in the operation of the RFX-mod experiment, in particular: • Member of the Support Group for the experimental activity of RFX, in charge of the successful RFX power converter reconfiguration for the achievement of 2MA plasma current • Technical Responsible of the experimental operation of RFX • Responsible of the 50kA/35kV Energy Transfer plant of RFX, composed of dc vacuum circuit breakers and discharge resistors • Responsible of the Power Supply system for the control of the radial field of RFX composed of a rectifier part and of 192 inverters each rated 400A/700V • Development of a complete model of the ac/dc converters of RFX, including both power and control part, aimed at performing analyses and experimental tests for the improvement of the ac/dc thyristor converters of RFX Involved in the activities performed by Consorzio RFX under the Broader Approach agreement, in particular: • Work Package Manager of the design, procurement, construction, factory tests, installation and acceptance tests of the Quench Protection Circuit for the superconducting magnets of the Satellite Tokamak JT-60SA, to be built in Naka, Japan

	• Design and development of a prototype of a 20kA/5kV hybrid mechanical-static dc circuit breaker for the Quench Protection Circuit of JT-60SA Involved in the design of the ITER Neutral Beam Injector, in particular: • Responsible of the adaptation of the 400kV Substation and of the design of the Medium Voltage Distribution for the supply of the SPIDER and MITICA experiments, under construction at Padova • Co-author of the Technical Specification of the power supply systems for SPIDER and MITICA experiments Lectures for the teaching of "Technique and Economy of the Energy" for the degree of Energetic Engineering at the University of Padova (Italy) during the Academic year 2008-2009
• Dates (from – to)	May 2003 – August 2005
• Name and address of employer	Forgital Italy (Seghe di Velo – Vicenza - Italy)
• Type of business or sector	Technical office and Maintenance
• Occupation or position held	Technical employee
• Main activities and responsibilities	• Co-author of the technical specification of a new maintenance management software • Reorganization of the strategic spare parts for presses, rolling mills and furnace for forging and thermal treatment • Study of the plant improvement for the achievement of the aerospace certification NADCAP for the thermal treatment furnaces

EDUCATION AND TRAINING

• Dates (from – to)	2007 – 2009
• Name and type of organisation providing education and training	Padova University (Italy)
• Title of qualification awarded	PhD in Industrial Engineering - Specialization in Energetic Engineering
Thesis title	"Analyses and experimental tests for the development of the quench protection system for the superconducting magnets of the Satellite Tokamak JT-60SA"
• Dates (from – to)	1997 – 2003
• Name and type of organisation providing education and training	Padova University (Italy)
• Title of qualification awarded	Degree in Electronic Engineering (110/110 cum laude)
Thesis title	"Development of algorithms for the restoration of sound documents: a statistic approach based on models"
• Dates (from – to)	1992 – 1997
• Name and type of organisation providing education and training	Liceo Scientifico F. Corradini – Thiene – Vicenza (Italy)
• Title of qualification awarded	Scientific high school certificate (60/60)