Curriculum Vitae

Scarnera, Vincenzo

CURRENT POSITION

Name of company	Job position
MER MEC S.p.a.	**BU Diagnostic System R&D Specialist**

PROFESSIONAL BACKGROUND

Design of innovative devices for railway infrastructure measuring and inspection. Management of R&D operations, new product introduction and technology development via TRL. In-depth expertise in optoelectronics, optical fibers, high power fibre lasers & amplifiers, optical measurements, guided and free space optical propagation & modelling, data mining, programming.

EDUCATION AND TRAININGS:

PhD in Optoelectronics, Optoelectronic Research Centre, University of Southampton, UK

CEng, Registered Chartered Engineer, British Engineering Council, London, UK

MSc, BSc in Optical Engineering, Polytechnic of Milan, Italy

Miscellaneous: Project Management advanced training - Synchro for lean manufacturing course - Hazards & control measures training - Academic writing for research proposals course - SQL training - Levels 1,2&3 CIEH Laboratory health and safety - Fire awareness training course - Laser safety course (CLASS 2, 3A, 3B& 4) - Alcatel O&M course - Certified fibre characterization engineer course

EXTRAS:

Main publications:

Transient Modal Instabilities in High Power Fibre Lasers, 2019, Optical Society of America

Green up-conversion in Yb^{3+}-Tb^{3+} and Yb^{3+}-Tm^{3+}-Tb^{3+} doped fluoro-germanate bulk glass and fibre, 2010, Optical Materials

Volunteering work:

Peer reviewing for Optical Society of America (OSA) ed Elsevier (per Optical Materials)