

## CURRICULUM di Rosario CARBONE

Rosario Carbone was born in Taurianova (RC - Italy), on 12/12/1965.

He received the degree on Electrical Engineering on 1990, from University of Calabria, Italy.

On 1995 he received the Phd on Electrical Engineering, from University of Naples (Italy), by discussing a thesis on the analysis of harmonic and Interharmonic distortion on Power Systems.

On 1995, he became an Assistant Professor on Electrical Power Systems, at the University of Naples (Italy).

Since 2008, he is an Associate Professor on Electrical Power Systems, at the University of Reggio Calabria (Italy) and he works as a teacher of:

- industrial Electrical Systems;
- human electrical safety;
- design and analysis of power electronic systems.

His scientific activities concern, essentially, the following topics:

- automation of electrical power systems on distributed scenarios;
- design and analysis of power electronics for power systems,
- analysis of electrical power systems in presence of power electronic apparatus;
- new power electronic apparatus with high power factor;
- design and analysis of photovoltaic systems.

Rosario Carbone has published more than 60 scientific papers in journals and national and international conference proceedings.

On 2000, he won a "best paper award", for a paper presented at the International Conference on Harmonics and Quality on Power Systems, IEEE "ICHQP 2000", Orlando USA.

Rosario Carbone has been a Collaborator scientist on a lot of Italian and international research projects, including: a "PRIN 2002" on the development of power electronic apparatus for the optimal connection of distributed electrical generation plants with power systems and on a "PRIN 2007" on optimization of the metro-logical confirmation procedures of measurement instrumentation working in non-sinusoidal condition.

He is also a Responsible scientist of a local research Unit in an "APQ 2009" Italian project on the design and analysis of an innovative greenhouse farming based on the optimal utilization of the electrical energy generated by a specifically designed photovoltaic plant.