

Prof. Andrea Reale is Associate Professor at the Department of Electronic Engineering, University of Rome Tor Vergata since 2014. In 2018 qualified for Full Professorship in Electronics. Formerly from 2004 to 2014 was Assistant Professor at the same University. Prof. Andrea Reale graduated cum laude in Electronic Engineering in 1997 and received his PhD in Telecommunications Engineering and Microelectronics in 2001. The main research areas are:

- Devices based on organic semiconductors and hybrids organic-inorganic systems, with particular attention to the technological aspects of scale-up on large area of printable photovoltaic devices, thermoelectric devices and to devices for telecommunications (semitransparent OPV for greenhouse applications, visible photodetectors for VLC applications, composites for printable thermoelectrics);
- Experimental study of nanostructured materials such as carbon nanotubes and related technological applications (thermal management, strain sensors, gas sensors);
- Theoretical and experimental analysis of the optical, electro-optical and electrical properties of heterostructure devices for electronics and telecommunications. Photoconductance and Raman spectroscopy for the analysis of self-heating phenomena in HEMT and HPA based on GaN and GaAs technology. All optical processing of optical signals for 1R, 2R and 3R functions in optical networks

Synthetic bibliometric indexes: Prof. A. Reale has H factor = 29 (source: Scopus). He co-authored 114 publications in international journals with peer review, approximately 80 proceedings of international conferences, 1 textbook in Optoelectronics, 3 chapters in books reviews on photovoltaics, 7 international PCT patents (including 1 acquired by Selex SI, and 6 acquired by the consortium Dyepower). Reale received 2 scientific awards, and has co-organized 2 international conferences.