

Domenico Mello was born in Brindisi in 1970. He received the degree in Physics from University of Lecce in 1996, discussing research thesis on transmission electron microscopy. In 2001 he received the Ph.D degree in materials science discussing a thesis in surface analysis and ion implantation.

In 2000, he joined STMicroelectronics, Catania, Italy, in Process Eng. Group and the year after he moved in QA Lab group. Since 2016 he lead the Physics Laboratory Group which is the laboratory of Catania manufacturing department.

Since 1998 he has began to develop expertise in the characterization field of the advanced materials, specifically focusing on micro-analytical and advanced failure analysis of microelectronic materials using electron microscopy and surface analysis methodology.

His activity is mainly focused on chemical and morphological characterization in order to ensure the best performances in terms of Quality and Reliability of manufactured products and technologies. He is member of ST technical staff and he is author of many scientific papers, published in international journals with the referee system, communications at national and international conferences, and he is referee for some scientific international journals