

**Dr. Amalia Ballarino**



Dr Amalia Ballarino is a scientist at the European Organization for Nuclear Research (CERN), Geneva, Switzerland. She has been responsible for the development, design and procurement of the several thousand of current leads that today power the superconducting magnets of the Large Hadron Collider (LHC) machine. For the development of the High Temperature Superconducting (HTS) current leads for the LHC, which has been the first large scale commercial application of HTS, she received the award of "Superconductor Industry Person of the Year 2006". After having participated in the commissioning of the LHC machine, she has been working on the development of a novel HTS bus system which is today of interest for application to the accelerator upgrades. In the framework of this activity she coordinates a European Commission initiative as Task Leader in the Seventh Framework Programme (FP7) "Eucard High Field Magnet Work Package" (High Tc Link), and more recently she has become Work Package Leader in a FP7 Proposal for a High Luminosity Design Study (Cold Powering System). Dr Ballarino is also a member of the IEC TC-90 committee on standardization in the field of superconductivity.

