



Name: Amalia Ballarino

Affiliation: CERN, European Organization for Nuclear Research

Position: Senior Staff Scientist. Section Leader of the team responsible for:
- Development, test and procurement of superconductors (strands and cables) for the CERN accelerators;
- Conception and design of superconducting devices, e.g. HTS leads and electrical transmission lines.

Previous Positions: Staff scientist at CERN; leader of the LHC HTS current leads project.

Education: Laurea (Nuclear Engineering) and Ph.D., Politecnico of Torino, Italy.

Research Interests/Areas of Expertise:

Superconductors and Superconducting cables, HTS and LTS;
modeling, conception and design of superconducting systems; thermo- and electro-dynamics, cryogenics.

Publications: About 100 publications in the field of superconductivity, in IEEE Transactions on Applied Superconductivity, Physica C, and Proceedings of Particle Accelerator Conferences and EUCAS.

Approximate Number of Years in Applied Superconductivity: 20

Membership in Professional Societies:

- IEEE Member

Awards:

- Superconductor Industry Person of the Year 2006.

Previous ASC Service:

- Technical Editor
- Reviewer
- Chair of sessions
- Lead Editor at ASC 2012

Service to Related Conferences:

- Technical Editor at MT and Reviewer at EUCAS and MT conferences

Other: Member of the IEC-TC 90 committee, working on the preparation of international standards concerning superconducting materials and devices, and of related IEC working groups. Lecturer on superconductivity (JUAS, Joint Universities Accelerator School). Supervisor at CERN of several master and PhD theses. Member of HTS Working Group for ITER current leads. Coordinator of international collaborations in the field of superconductivity. My activities have included R&D, design, technology transfer, fabrication and testing, bringing broad experience in dealing with both industry and research institutes in the field of large-scale applied superconductivity. This could be of value if I am elected to become a member of the Board.