

## Welcome Message from the Conference General Chair

Dear ladies and gentlemen,  
dear Conference participants,

Welcome to the 1st edition of IEEE Conference Advances in Magnetism, taking place in Bormio, Italy from Monday, March 14th until Wednesday, March 16th, 2016.

The Conference is a forum for presentation and discussion of the most recent advancements in all the fields of Magnetism: theory, numerical modeling, experiments and applications. The event is open to experts and scientists with different backgrounds (engineers, physicists, mathematicians, material scientists, chemists, biologists, etc) to present, discuss, exchange ideas, methods and results. The main topics of the Conference Advances in Magnetism are:

Fundamental properties, Modeling and numerical computation, Motors, generators, transformers and other power devices, Electromagnetic compatibility, Magnetic levitation and propulsion, Sensors, Measurements techniques and instrumentation, Materials, Nondestructive evaluation, Magnetic recording, Micro- and nano-structures, Spin electronics, Bio- and chemical magnetism, Other applications.

226 short papers have been submitted and 196 of these have been accepted for the presentation at the Conference after a blind peer review process.

All contributors of the papers presented at the Conference are invited to submit full paper manuscripts for possible publication in a technical journal. Depending on their characteristics and addressed topics, the full papers will be assigned to Journal of Magnetism and Magnetic Materials, Physica B, Medical Engineering & Physics, and IEEE Magnetism Letters for a dedicated peer-review process. The review standards will mirror those used for regular articles to be published in these journals.

The 3-day event includes invited and contributed talks, organized in different sessions each coordinated by an appointed chair. All that is reported in detail in the Conference Program.

I hope that the IEEE Conference Advances in Magnetism will rapidly become one of the classical biennial appointments for the Scientific Community interested in Magnetism and Magnetic Materials.

In conclusion, I am delighted to give a warm welcome to all you: enjoy the Conference and the stunning Alps scenery of Bormio.

Warmest Regards,  
Ermanno Cardelli  
1st IEEE Conference Advances in Magnetism  
General Chair

