Commissioning (Cx acronym) is generally not a common practice even outside Italy. In countries like the United States and the United Kingdom it's becoming more and more common for the building owners and other players/actors involved, who recognize their buildings and mechanical systems often do not behave the way the designers had forecasted intended. The term "Commissioning" has many definitions, the simplest of all is "a set of procedures, responsibility and methods for a systems to make progress from the installation phase to the full operation phase in compliance with the design intent".

This definition changes according to the fact the Cx is aimed at:

- buildings;
- systems or related activities;
- Cx duration, normally it starts from the concept phase or pre-design phase and continues over the building occupation phase.

Cx is considered a "best practice", it has found breeding ground in many sustainability protocols (eg LEED® and BREEAM®), which require Cx at difference steps to guarantee the final result.

The purpose of this workshop is to illustrate the state of the art of the commissioning process, thanks to the expertise of the main association in this field like AICARR. ASHRAE, CIBSE and REHVA.
PROGRAMME

2.30 p.m. Participants registration

3.00 p.m. Welcome addresses and Chairman
Livio de Santoli, AiCARR President

3.30 p.m. Commissioning, now an italian realities
Livio de Santoli, AICARR President

3.45 p.m. Commissioning a ASHRAE overview
Walter Grondzik, ASHRAE

4.00 p.m. Commissioning a CIBSE overview
John Field, CIBSE President

4.15 p.m. Commissioning and REHVA vision
Stefano Paolo Corgnati, REHVA President

4.30 p.m. CxAuthority certification
Marco Mari, Bureau Veritas

4.45 p.m. Italian Case Study
Ugo Lucio Benedetti, CxA Certificated AiCARR

5.00 p.m. North America Case Study
Walter Grondzik, ASHRAE

5.15 p.m. UK Case Study
Alessandro Sandelewski, AiCARR-CIBSE

5.30 p.m. Discussion

6.00 p.m. End of the Seminar