

## **ALBA, the Spanish Synchrotron**

*Caterina Biscari*

ALBA history started in the first nineties, when a group of visionary scientists proposed to build a synchrotron light source in Spain, as the first national large scientific infrastructure. It was meant to serve and help the development of the national Synchrotron Light User Community, to build up a group with expertise in accelerator physics, to develop an industrial environment with capacities of participation in similar facilities all around the world.

The green light was obtained in 2003, and the cornerstone of the first 3<sup>rd</sup> generation light source in the South-East of Europe was placed in 2006 at about 20 km from Barcelona.

Today, since the first official user in May 2012, more than three thousand users have visited the facility, eight beamlines are in operation, three more in construction, and the next phase is defined. The talk will describe the present status of the infrastructure, some key scientific results, the collaboration activities and the strategy for the future.

### **Short CV of Caterina Biscari**

Dr. Caterina Biscari

Born in Italy, 1957. Licenciatura en Ciencias Físicas in the Universidad Complutense de Madrid (1980) and Degree in Physics summa cum laude at the Università degli Studi di Napoli (1982)

Since 2012 Director of Alba-CELLS, the 3<sup>rd</sup> Generation Synchrotron Radiation Facility at Barcelona, Spain.

Has worked at CERN from 1982 to 1985, then at the Laboratori Nazionali di Frascati of INFN from 1985 to 2012, on design, construction and operation of accelerators, participating with key contributions to different projects as the Frascati electron positron collider DAFNE, the CLIC Test facility at CERN, CTF3, and the hadrontherapy project in Pavia, CNAO.

Member of International Advisory Committees, among which CERN Scientific Policy Committee, CERN Machine Advisory Committee, ESS Technical Advisory Committee, NSLS-II Advisory Committee, HZB Advisory Committee, PSI Advisory Board, XFEL-Machine Advisory Committee.

EPS Fellow, Managing Editor of EPJ Plus for *Accelerators and Applications*, *Experimental Techniques* and *Data Analysis*.