

Angela ALTOMARE, Institute of Crystallography-CNR Via Amendola 122/o, 70126 Bari, Italy

Qualifications: Research Director, IC (Institute of Crystallography)–CNR (National Research Council of Italy), Bari (Italy), January 2021 present; Senior Researcher, IC-CNR, December 2001–December 2020; Researcher, IRMEC (Institute for the Development of Crystallographic Methodologies)–CNR, Bari (Italy), February 2001–December 2001; Researcher, IRMEC-CNR, July 1999–February 2001; Researcher, IRMEC–CNR, July 1994–July 1999; Researcher, IRMEC-CNR, June 1989–June 1994; Degree in Physics cum laude, University of Bari (Italy) (1988)

Awards: ‘Mario Mammi’ Italian Crystallographic Association–AIC Award with the following motivation ‘To acknowledge her seminal contribution to computational crystallography, in particular to the development of crystallographic methodologies aimed at the structural characterization of crystalline compounds, and her continuous leadership in making available, maintaining and teaching multiple software programs that have enormous impact in multiple scientific fields, starting with SIR in the 90’s and then EXPO in 2000’s. These programs have been instrumental not only in single-crystal direct methods but also in pushing into structure solution from powder diffraction data’, Naples, Italy, September 2019; As Chair of the EPDIC15 European Powder Diffraction Conference, held in Bari, Italy, 12-15 June 2016, she received Thanks and Solemn Commendation from the Director of IC-CNR and the Chair of the EPDIC Committee for the success scientific and organizational of the Conference; AIC Prize for ‘The Activity and The Original and Innovative Research Results in the Field of Crystallographic Methodologies, both Theoretical and Applicative and for the Work on the Association Activities’, Naples, September 1999.

Recent appointments held: President of AIC (2021–present); Scientific Responsible of the IC-CNR research team involved in the structural characterization by single crystal diffraction data and microcrystalline powders (2009–present); Member of the Commission for the participation of National Research Council of Italy to the International Union of Crystallography (April 2019–present); Main editor of Acta Crystallographica Section A (December 2018–present); Member of the European Powder Diffraction Conference Committee (2016–present); Co-editor of Acta Crystallographica Section A (2014–present); Member of the Commission on Powder Diffraction of the International Union of Crystallography (2014–present).

Research Projects: Scientific responsible for PRIN-MIUR2017, October 2019–present; Bilateral agreement CNR/MOES, Albania, June 2018–present; PON (Nationally Operative Program) “I&C”2014-2020, July 2017–present; Person in charge of CNR Activity, January 2016–present; Person in charge of CNR Departmental Project, January, 2009–present; Person in charge of the commercial license agreement between IC-CNR and companies interested in the EXPO software, 2005–present; Person in charge of ‘Software and know how license’ contract between CNR and RIGAKU Corporation, October 2015–present; Future in Research-FIRB2011, February 2012–February 2016; PON “R&C”2007-2013, July 2011–October 2015; MIUR-FIRB2011; February 2012–Feb.2016; MIUR-FIRB2008, December 2010–June 2014; Scientific responsible for PRIN-MIUR2007, September 2008–November 2010; Scientific responsible for CNR Research Project, January 2008–December 2010; MIUR Project, May 2004–October 2007; MIUR Project, September 2002–September 2006; CNR Project for Cultural Heritage, January 1996–December 2000.

Research and scientific activity: About 150 publications, 9 chapters of books (two chapters in the ‘International Tables for Crystallography’), twelve crystallographic computing programs widely used by the national and international scientific community; Chair of the Scientific Organizing Committee of the International Crystallography School organized by the Commission on Crystallographic Teaching of AIC, held in Bari, August 2018–September 2018; Chair of the 15th European Powder Diffraction Conference, held in Bari, June 2016; Invited speaker, teacher and chairman of microsymposia, as well as member of program committee at several national and international meetings and schools.

Fields of research: Development of crystallographic methodologies aimed at the structural characterization of crystalline compounds by single crystal and microcrystalline powder; Direct methods; Computing; Solution and refinement of crystal structures; Qualitative and quantitative analysis of multiphase mixture by powder diffraction. The high scientific competence is widely recognized by the scientific community at national and international levels, as proved by the large number of citations: Sum of Times Cited: >27000 (WoS).