

## NOMINATIONS FOR CHAIRS AND MEMBERS OF COMMISSIONS

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### COMMISSION FOR WHICH CANDIDATE IS NOMINATED

**Crystallographic Computing**

### POSITION FOR WHICH CANDIDATE IS NOMINATED (please check box)

CHAIR

MEMBER

### DETAILS OF CANDIDATE

Title: PhD

Name: Rosanna Rizzi

Nationality: Italy

Position: Researcher

Affiliation: Institute of Crystallography (IC)-CNR

Address: Via Giovanni Amendola, 122/o, Bari, 70126, Italy

Email address: rosanna.rizzi@ic.cnr.it

### **Submitted by**

Name MICHELE SAVIANO, Secretary of the Italian CNR Commission for the relations to IUCr

Adhering Body/Country: Consiglio Nazionale delle Ricerche (CNR), Italy

Date of submission: June 30, 2019

**PROFILE OF NOMINEE****Name:** Rosanna Rizzi**Qualifications:**

- 1) Winner of the competition and hired by CNR as researcher (permanent position) at Istituto di Ricerca per lo Sviluppo di Metodologie Cristallografiche (IRMEC-CNR), Bari, Italy, (2001).
- 2) PhD in Earth Science (XIV Cycle), University of Bari, Italy. Tutor Professor C. Giocovazzo, University of Bari, (1999-2002)
- 3) Fellowship in Crystallography at the 'Istituto di Ricerca per lo Sviluppo di Metodologie Cristallografiche', IRMEC-CNR, Bari, Italy. Tutor Professor C. Giocovazzo, University of Bari, Italy, (1995-1998)
- 4) Degree in Physics at University of Bari, Italy, (1988-1994)

**Positions held:**

- 1) Member of the 'Commissione Strumentazione e Calcolo' of the Associazione Italiana di Cristallografia (AIC). 2018-2020. <http://www.cristallografia.org/contenuto/commissioni-aic/1816>
- 2) Chair of the 'Commissione Strumentazione e Calcolo' of the Associazione Italiana di Cristallografia (AIC). 2015-2017.
- 3) Member of the Commission on Powder Diffraction (CPD) of the International Union of Crystallography (IUCr). 2005-2014. (<http://www.iucr.org/resources/commissions/powder-diffraction/contacts>).
- 4) Member of the International Centre for Diffraction Data (ICDD), 12 Campus Boulevard, Newtown Square, Philadelphia, USA. 2011-present.
- 5) Visiting professor at University of Geneva, laboratory of Crystallography, for 2 weeks working on the project: "*The development of strategies on Direct-space technique to solve crystal structures from powder diffraction data*" in collaboration with Doctor R. Cerny, (2005)
- 6) Visiting professor at *ISIS Facility Rutherford Appleton Laboratory (Oxford)* for 3 months working on the project: "*Determining low-resolution crystal structures from powder diffraction data*" in collaboration with Prof. W.I.F. David, (2004).
- 7) Visiting professor at University of Ferrara, Italy, working on the project: "*Natural and synthetic Zeolites* ", in collaboration with Prof. Alberti, (2003).
- 8) Prize winner '*Alessandro Vaciano*', of the Accademia Nazionale dei Lincei, (2003).

**Field of research:**

Powder diffraction, data collection and processing, direct methods, phase determination, structure solution in direct space, development of crystallographic methodologies, computing: co-author of three important crystallographic computing programs used by the national and international community: EXPO2013 [J. Appl. Cryst., (2013), 46, 1231-1235], QUALX [J. Appl. Cryst. (2008). 41, 815-817] and QUANTO [J. Appl. Cryst. (2001), 34, 392-397].

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