

## Curriculum vitae of ALESSANDRA CHERUBINI

Alessandra Cherubini, born at Montecchio E. (RE) on 31/10/1947, graduated in Mathematics at Università degli Studi di Milano in July 1969.

She is full professor of Algebra at Dipartimento di Matematica of Politecnico di Milano where she served as assistant professor since 1970, as associate professor since 1982 and as full professor of Computer Science since 2004.

Her teaching activity is mainly devoted to Algebra, Geometry, Linear Algebra, Mathematical Logic (for bachelor students) but she taught also courses on automata theory, computational, modal and temporal logic (for master and PhD students).

Her scientific interests are on the border between Algebra and Theoretical Computer Science and are focused on: Semigroups, Automata and formal languages, Mathematical foundations of cryptography, Logics for applications. Her main contributions concern with congruence relations on semigroups connected with their structural properties, combinatorial theory of inverse semigroups, partially commutative monoids, mildly context sensitive languages, two-dimensional languages, finite automata and synchronization, image processing. She is the author of more than 90 papers, most of them on International Journals.

She participated (also as principal investigator) to several national and international research projects funded both by public (national and international) bodies and by private companies. Over the years she has been advisor of four PhD dissertations and of several master theses.

Alessandra Cherubini regularly acts as reviewer for MR, for several international conferences and journals and she was also reviewer of some research projects. She is member of the Editorial Board of two Journals, and was member of Scientific Committees of several International Conferences and Workshops both in Algebra and in Theoretical Computer Science. She was also the Guest Editor of Journals for the Proceedings of some of them. She was invited for visits or talks in several Universities (Ekaterinburg, Lincoln, Granada, Technical University of Prague, Novi Sad, Wroclow, Nis, Bar Ilan etc.) and Conferences.

She was member of a National Committees for evaluation of Ph.D theses in Algebra, Logic and Geometry, for associate and full Professor Positions and in local Committees for Post-doc , Researcher, associate and full professor positions. She is member of the Council of Italian Chapter of EATCS.