

Maria Luisa Sapino got her MS and PhD degrees in Computer Science at the University of Torino, where she's currently *Full Professor*. She is also *adjunct professor* at Arizona State University.

Her initial contributions to computer science were in the area of logic programming and artificial intelligence, specifically in the semantics of negation in logic programming, and in the abductive extensions of logic programs. Since mid-90s she has been applying these techniques to the challenges associated with database access control, and with heterogeneous and multimedia data management. In particular, she developed novel techniques and algorithms for similarity based information retrieval, content based image retrieval, and web accessibility for users who are visually impaired. She also focused on temporal and synchronization aspects of distributed multimedia presentations in the presence of resource constraints.

Her current research interests are mostly addressed toward the integration of heterogeneous information sources (in particular, integration of taxonomic information) and toward the definition of innovative navigation methods within rich multimedia archives, such as newspaper archives, television archives, or archives containing big quantities of heterogeneous scientific data, for example in the archaeology domain (the archaeological domain is the focus of the NSF funded project "AOC: Archaeological Data Integration for the Study of Long-Term Human and Social Dynamics" at ASU)

Maria Luisa Sapino's current focus also includes the modeling and investigation of various aspects of ambient intelligence systems.

Active collaborations include national and international Universities and Research Centers:

- RAI- Centro Ricerche e Innovazioni Tecnologiche.
- Telecom Italia Lab.
- University of Napoli Federico II (prof. Antonio Picariello).
- Arizona State University (Prof. K. Selcuk Candan).
- Rensselaer Polytechnic Institute (Prof. Sibel Adali) .

Maria Luisa Sapino has been the advisor of dr. Paola Bertolotti (PhD In Computer Science, in the area of Multimedia Presentations) and of dr. Maurizio Montagnuolo (PhD in Culture and Enterprise, in the area of automatic classification of television programs genres). At the Computer Science department she is currently leading the Heterogeneous Data Management group, and she coordinates the research activity of the PhD students Mario Cataldi, Luigi Di Caro, Alberto Messina, Pietro Piazzolla, and of the research fellow Claudio Schifanella.