

Giulia Galbiati - short curriculum vitae

Undergraduate studies:

- University of Pisa and Scuola Normale Superiore, Pisa, 1965 - 69; “laurea” cum laude in Mathematics.;

Graduate studies:

- Scuola Normale Superiore, Pisa, 1969 - 70;

Academic positions:

- Assistant Professor “incaricato” of Meccanica Razionale, University of Pisa, 1972;
- Assistant Professor of Teoria ed Applicazioni delle Macchine Calcolatrici, University of Pisa, 1973 - 1976;
- Assistant Professor of Linguaggi Speciali di Programmazione, University of Pisa, 1976 - 1978;
- Assistant Professor of Teoria ed Applicazioni delle Macchine Calcolatrici, University of Pavia, 1978 - 1983;
- Professor “incaricato” of Teoria ed Applicazioni delle Macchine Calcolatrici, University Pavia, 1976 - 1983;
- Associate Professor of Teoria ed Applicazioni delle Macchine Calcolatrici, University of Pavia, 1983 - 1994;
- Associate Professor of Sistemi di Elaborazione dell'Informazione, University of Pavia, 1994 - 2004;
- Professor of Computer Science, Department of Informatica e Sistemistica of the University of Pavia, 2005-2014; position from which I retired in 2015.

Visiting positions:

- Visiting Scientist at Project MAC of MIT (Cambridge, Massachusetts), 1974 - 1975; supported by a N.A.T.O. fellowship of C.N.R.;
- Research Associate, Department of Electrical Engineering and Computer Science, University of California at Berkeley, 1975 - 1976; supported by a N.A.T.O. fellowship of C.N.R.;
- I spent my sabbatical in 1984/85 in residence at Brown University and in 1993/94 at Princeton University.

Research interests:

In my academic career my research interests revolved around many theoretical aspects of Computer Science. Initially they were in the theory of computation, in computational complexity and in structural complexity, then they extended to the design, analysis and experimental evaluation of exact, randomized and approximated algorithms for efficiently solving combinatorial problems in graph theory and network design. More specifically I have done research in structural and computational complexity, probabilistic analysis of algorithms, approximability and logical definability of combinatorial problems. Other field of interests have included complexity of boolean networks, scheduling problems, machine

tool languages, information retrieval.

I have authored or co-authored more than 60 papers that have appeared in the Theoretical Computer Science, Discrete Mathematics and Operations Research literature.

I was a member of EATCS (European Association for Theoretical Comp. Science), GRIN (GRuppo di INformatica) and AICA (Associazione Italiana Calcolo Automatico).

Publications:

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- [28] Giulia Galbiati. The Complexity of a Minimum Reload Cost Diameter Problem. *Discrete Appl. Math.*, 156:3494–3497, 2008.

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- [61] Giulia Galbiati, Stefano Gualandi and Francesco Maffioli. On Minimum Reload Cost Cycle Cover International Symposium on Combinatorial Optimization Conference (ISCO 2010), Hammamet, Tunisia, March 24-26, 2010.
- [62] Giulia Galbiati. Approximating Minimum Cut with Bounded Size. International Network Optimization Conference (INOC 2001) Hamburg, Germany, June 13-16,

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