

BRIEF CURRICULUM VITAE

of *Jacques Sakarovitch*

Born the 24 Avril 1947 in Paris (France).

Present position

CNRS Senior Research Scientist (Directeur de Recherche)
at the “Information Processing and Communication Laboratory”, UMR 5141 CNRS/GET.

Ecole Nationale Supérieure des Télécommunications 46, rue Barrault 75634 PARIS Cédex 05 (France)
Phone : + 33 (0)1 45 81 80 60 Fax: + 33 (0)1 45 81 83 31 E-mail: sakarovitch@enst.fr

Diplomas

1979 Docteur ès Sciences Mathématiques (mention Informatique)
1976 Docteur 3ème cycle Mathématiques (mention Informatique)
1968 Ingénieur de l’Ecole Polytechnique (Paris)

Professional curriculum

Positions

1973 – : Research Scientist at the *Centre National de la Recherche Scientifique*
1972 – 1973 : Assistant Professor in Mathematics at *University Paris 7*
1969 – 1972 : Research Scientist at the *Research Institut for Transportation*

Administration and organisation of research

1989 – 1996 : Director of the *Institut Blaise Pascal*,
federation of the computer science laboratories of the Univ. Paris 6 and Paris 7.
1989 – 1996 : Coordinator of the *ASMICS Working Group*,
an ESPRIT Basic Research Action project.
1989 – 1994 : Director of the *Graduate School Blaise Pascal*.
1986 – 1988 : Deputy Director of the *LITP*.
1982 – 1983 : *Chargé de mission* for Computer Science
at the *Scientific and Technical Mission* of the *Ministry for Industry and Research*.
1975 – 1980 : Secretary of the section “Computer Science, Control Theory and
Signal Processing” of the *Comité National de la Recherche Scientifique*.

Research area and scientific activity

Theoretical Computer Science. Automata theory on finite and infinite words, functions realized by finite automata, pushdown automata and context-free languages. Models for parallelism: trace theory, automata resynchronization. Automata and number systems. Combinatorics of words, combinatorial theory of groups and semigroups. (Two books and about 60 publications in journals and international conferences.)

Visiting research scientist at *Research Institute for Mathematical Sciences, Kyoto* (1981).

Head of the Vaucanson Group, a team writing a generic C++ platform for computing with transducers and automata with multiplicity.

Teaching activities

Automata Theory, Undergraduate lectures at ENST (2001–), Graduate lectures (DEA and Master) at Univ. Paris 6 and Paris 7 (1983–)
Data Structures and Algorithms, for the Bull Company Continuous Education Center (1986–1991)
Short courses at Auckland (2004), Come (2002), Turku (1997), Saõ Paulo (1991), Palerme (1984).
Visiting Professor at the Computer Science Department of the *Saarbrücken University* (1984).