Curriculum Vitae Professor Dr Alexander Schrijver

Name: **Alexander Schrijver**

Date of birth: **4 May 1948**

Research Priorities: Network theory, graph theory, combinatorics

Alexander Schrijver is a Dutch mathematician. His research focuses on the combinatorial optimisation of optimal algorithms for combinatoric problems, network and graph theory, and the combinatorics of polyhedrons.

Academic and Professional Career

since 1990	Professor of Discrete Mathematics and Optimisation, University of Amsterdam (UvA), Amsterdam, The Netherlands
since 1989	Member and Researcher, Centrum Wiskunde & Informatica (CWI), Amsterdam, The Netherlands
1983 - 1987	Professor of Mathematics, Tilburg University, Tilburg, The Netherlands
1977	Doctorate, Vrije Universiteit (VU), Amsterdam, The Netherlands
1972	Master of Science, VU, Amsterdam, The Netherlands
	Visiting Scholar, University of Oxford, Oxford, UK, University of Bonn, Bonn, Germany, École normale supérieure, Paris, France, Rutgers University, New Brunswick, USA, Microsoft Research (MSR), Redmond, USA and University of Szeged, Szeged, Hungary

Project Coordination, Membership in Collaborative Research Projects

2005 - 2010	Member, Project "Discrete Interactive and Algorithmic Mathematics, Algebra and Number Theory DIAMANT", Council for Physical Sciences, Dutch Research Council (NOW), The Netherlands
2001 - 2005	Member, Project "Matrix Algebras and Semidefinite Programming Techniques for Codes", Council for Physical Sciences, NWO, The Netherlands
2004 - 2009	Member, Project "Combinatorial algorithms in bioinformatics", Council for Physical Sciences NWO, The Netherlands

Honours and Awarded Memberships

2015	EURO Gold Medal (EGM), Association of European Operational Research Societies
since 2012	Fellow, American Mathematical Society, USA
2011	Honorary Doctorate, Eötvös Loránd University (ELTE), Budapest, Hungary
since 2008	Member, German National Academy of Sciences Leopoldina, Germany
since 2008	Ordinary Member, Academia Europaea
2008	Franz Edelman Award, Franz Edelman Academy, Institute for Operations Research and the Management Sciences (INFORMS), Catonsville, USA
2008	SIGMA Prize, SURF cooperative, Utrecht, The Netherlands
2006	John von Neumann Theory Prize, INFORMS, Catonsville, USA
since 2005	Member, North Rhine-Westphalian Academy of Sciences, Humanities and the Arts, Düsseldorf, Germany
2005	Spinoza Prize, NOW, The Netherlands
2005	Knight of the Order of the Netherlands Lion, The Netherlands
2004	Frederick W. Lanchester Prize, INFORMS, Catonsville, USA
2003	Fulkerson Prize, Mathematical Programming Society, Philadelphia, USA and American Mathematical Society, USA
2003	George B. Dantzig Prize, Society for Industrial and Applied Mathematics (SIAM), Philadelphia, USA
2002	Honorary Doctorate, University of Waterloo, Waterloo, Canada
since 1995	Member, Royal Netherlands Academy of Arts and Sciences (KNAW), The Netherlands
1986	Frederick W. Lanchester Prize, INFORMS, Catonsville, USA

1982   Fulkerson Prize, Mathematical Programming Society, Philadelphia, USA and American Mathematical Society, USA

Research Priorities

Alexander Schrijver is a Dutch mathematician. His research focuses on the combinatorial optimisation of optimal algorithms for combinatoric problems, network and graph theory, and the combinatorics of polyhedrons.

He is considered one of the most significant scientists in the field of combinatorial and discrete optimisation. Alexander Schrijver studies designs, transversal theory, Kneser graphs, and matroids, a specific mathematical structure in linear algebra. He has conducted research into the classic problems of combinatorial optimisation such as packing, total dual integrality, and matchings as well as into new algorithms for polynomial solvability of several combinatorial optimisation problems. Additionally, Alexander Schrijver focuses on generalisations about higher-genus surfaces.