

Curriculum Vitae

Jan van Leeuwen

Professor	Born:	1946
Department of Computer Science	Citizenship:	The Netherlands
Utrecht University	Homepage:	www.cs.uu.nl/people/jan/

Education

1969	Doct. Exam, cum laude, Utrecht University	Mathematics
1972	Ph.D., Utrecht University	Mathematics

Positions

2005- Vice-dean for Natural Sciences, Faculty of Science, Utrecht Univ.
2005- Dean, Department of Information and Computing Sciences and (until 2006) of the Department of Mathematics, Utrecht Univ.
2003- Member Board of Deans, Joint Science Faculties, Utrecht Univ.
2003-05 Dean, Faculty of Mathematics and Computer Science, Utrecht Univ.
1994-99 Dean, Faculty of Mathematics and Computer Science, Utrecht Univ.
1991-94 Head, Dept of Computer Science, Utrecht University.
1991-94 Member Faculty Council.
1987-91 Member Faculty Board & Associate Dean for CS, Utrecht University.
1977-83 Head, Dept of Computer Science, Utrecht University.
1982- Professor, Dept of Computer Science, Utrecht University.
1977-82 Associate Professor, Computer Science Dept, Utrecht University.
1976-77 Associate Professor, CS Dept, Pennsylvania State University.
1975-76 Assistant Professor, Computer Science Dept, SUNY Buffalo.
1974-75 Scientific staff member, Mathematics Dept, Utrecht University and at the Math. Centre, Amsterdam.
1973-74 Assistant Professor, Computer Science Dept, SUNY Buffalo.
1972-73 Post-doctorate Research Fellow, CS Dept, UC Berkeley.

Academic duties (selection)

1996 Member 'foresight' committee for Informatics Research in Holland.
1996- Member European Educational Forum (EEF) of the Research schools IPA, BRICS and TUCS.
1997-99 Member/Vice-Chairman Advisory Committee on Quality of Personnel Policy (ACKP), Utrecht University.
1998-04 Chairman Advisory Council, Centre for Mathematics and Computer Science (CWI), Amsterdam.
1998- Member/chairman Advisory Board, Lorentz Center, Leiden University.
1998- Boardmember "Schuurman Schimmel - van Outeren Foundation".
1998- Member scientific advisory board of the BRICS International Ph.D. School.
1998- Member Scientific Committee for "Informatica en Kennistechnologie", Fonds voor Wetenschappelijk Onderzoek (FWO), Vlaanderen.

- 2000-03 Advisor, Philips Research Laboratories, New Media Systems Group.
- 2000- Member Advisory Council ('Beirat'), Fakultät für Informatik, Technische Universität München.
- 2000-02 Member/vice-chair, University Committee for the Introduction of the General Bachelor/Master Structure, Utrecht Univ.
- 2001-02 Member Visiting Committee for Computer Science Curricula at Flemish Universities, Vlaamse Interuniversitaire Raad, Brussels.
- 2002- Member 'Academy Council for Mathematics', KNAW (Royal Academy of Sciences), Amsterdam.
- 2002- Member advisory council ('Raad van Advies'), Faculty of Arts, Media and Technology, Hogeschool voor de Kunsten, Utrecht/Hilversum.
- 2002- Program leader, MSc programme in 'Algorithmic Systems', Utrecht Univ.
- 2002- Member jury 'Utrecht Excellence Scholarships', Office of International Educational Affairs, Utrecht University.
- 2002- Vice-president of the European Association for Theoretical Computer Science (EATCS, council member 1979-1988 and 1997-2002)
- 2002- Member/chair (a.i), board of the 'Institute for Programming Research and Algorithmics' (IPA), inter-university research school, the Netherlands.
- 2003-04 Member/coordinator, evaluation panel of Theme 1B: Networks and Telecommunication, INRIA, France.
- 2003-05 Member/coordinator, 'EATCS Distinguished Achievements Award', EATCS.
- 2004-06 Member, board of the Junior College Utrecht (JCU), Utrecht Univ.
- 2006- Member 'Commission de Recrutement d'Informatique', Lab. d'Informatique, Ecole Polytechnique, Palaiseau (Fr).
- 2006 Reviewer, CoE programme, the Academy of Finland, Helsinki.
- 2008- Member, Foresight Panel, IT University, Copenhagen.

Editorial Boards

- 1981-91 Consulting Editor *International Computer Science Series*, Addison-Wesley Publishing Company (Europe), Wokingham/London (UK).
- 1982-85 Member Editorial Board *SIAM Journal on Computing*.
- 1982-87 Member Editorial Board *Information and Control*.
- 1985-91 Advisor European Publishing Program in Computer Science, Addison-Wesley Publishing Company, Amsterdam.
- 1990-95 Member Editorial Board *Theoretical Computer Science* (TCS).
- 1994-03 Series Editor *Lecture Notes in Computer Science*, Springer-Verlag, Heidelberg.
- 2000-04 Chairman Editorial Council ('redactieraad'), *Ublad* (Utrecht University Newspaper).

Awards, Qualifications, Distinctions (selection)

- 1992 Elected member of the *Koninklijke Hollandsche Maatschappij der Wetenschappen*.
- 1996 *Great Golden Medal*, Comenius University, Bratislava.
- 1997 Senior university teaching qualification, certificate (new system), Utrecht University.

- 1997 Senior university research qualification, certificate (new system), Utrecht University.
- 1999 *Bolzano Honorary Medal*, Academy of Sciences of the Czech Republic, Prague (awarded at ICALP'99).
- 2003 Dies speaker, Dies Natalis 2003, Utrecht University.
- 2004 ISI rating: Highly Cited (in Computer Science).
- 2006 Elected member of the *Academia Europaea*.
- 2008 *Dr h.c.* Naturwissenschaften, RWTH Aachen.
- 2009 Distinguished Lorentz fellow, Lorentz Center/NIAS.

Project Coordinatorships (selection)

- 1996-99 ALCOM IT (Algorithms and Complexity in Information Technology), Esprit Long Term Research Action 20244, 13 European partners (site coordinator).
- 2000-03 ALCOM FT (Algorithms and Complexity in Future Technologies), FP5 - Future and Emerging Technologies Project, 10 European partners (site coordinator).
- 2004- BRICKS (Basic Research in Informatics for Creating the Knowledge Society) Bsik-ICT Project, 6 partners (subproject coordinator), the Netherlands.

Program Committees (Selection)

- Program chairman of: IFIP-TCS'2000, and ICALP'2001 (Track A).
- Program committee member of more than 75 international workshops and conferences in computer science, most recently of: ESA'2000, NIOC'2002, ICALP'2002, IFIP-TCS'2002, COCOON'2002, SIROCCO'2003, MFCS'2003, EUSAI'2003, SIROCCO'2004, SOIA'04, PDCN'2005, DCOSS'05, FInCO'2005, UC'05.

Books (Edited)

- *Handbook of Theoretical Computer Science*, Vol A: *Algorithms and Complexity* (1004 pages), Vol B: *Formal Models and Semantics* (1280 pages), Elsevier Science Publ/MIT Press, 1990. (Both volumes translated into Japanese by Maruzen, 1994.)
- *Computer Science Today*, Lecture Notes in Computer Science Vol 1000, special anniversary volume), Springer-Verlag, 1995 (641 pages).

Proceedings (Edited and co-edited)

Lecture Notes in Computer Science: Volumes 85, 312, 344, 486, 505/506, 790, 855, 1000, 1872, and 2076 (Springer-Verlag).

Published Papers and Technical Reports

More than 150, on the design and analysis of computer algorithms. *Current research interests*: design and analysis of algorithms, complexity theory, non-uniform complexity theory, formal methods, graph-theoretic modelling, information technology, intelligent algorithms, non-classical computing, parallel and distributed algorithms, sensor networks, theoretical computer science.

Recent publications (selection)

- “Finding a Δ -regular supergraph of minimum order” (with H.L. Bodlaender

- and R.B. Tan), *Discr. Appl. Math.* 131 (2003) 3-9.
- “Interactief, intelligent en nog veel meer - Het veranderende beeld van de informatica”, *TINFON* 12 (2003) 63-65, addendum: 12 (2003) 91.
 - “Approaches in machine learning”, Ch 8 in: W. Verhaegh, E. Aarts, and J. Korst (Eds), *Algorithms in Ambient Intelligence*, Philips Research Book Series, Kluwer Academic, 2004, pp. 151-166.
 - “Complexity of evolving interactive systems” (with P. Verbaan and J. Wiedermann), in: J. Karhumäki et al. (Eds.), *Theory is Forever*, Lecture Notes in Computer Science Vol 3113, Springer-Verlag, Berlin, 2004, pp 268-281.
 - “Approximations for λ -colorings of graphs” (with H.L. Bodlaender, T. Kloks, and R.B. Tan), *The Computer Journal* 47 (2004) 193-204.
 - “Interactive Computation in Embedded Systems” (with J. Wiedermann), Chapter in: D. Goldin, S. Smolka and P. Wegner, *Interactive Computation: the New Paradigm*, Springer-Verlag, 2005 (to appear).

Ph.D. Theses supervised (with year of completion)

- 1980 (with A. Ollongren) Th.P. van der Weide
- 1982 M. Veldhorst
- 1983 M.H. Overmars
- 1984 A.P.W. Böhm
- 1986 H.L. Bodlaender
- 1987 H.A.G. Wijshoff
- 1987 (with J.M. van Winter) L. Breure
- 1987 (with W.G. Klooster) G.J. van der Steen
- 1989 (with W.P. de Roever) R.T. Gerth
- 1989 G. Tel
- 1991 A.A.Schoone
- 1991 E.M. Bakker
- 1991 (with M.H. Overmars) J.A. La Poutré
- 1992 (with M. Veldhorst) J.F. Sibeyn
- 1992 R. Hoofman
- 1993 (with H.L. Bodlaender) A.J.J. Kloks
- 1993 (with H.L. Bodlaender) G. Kant
- 1993 (with J.N. Kok) P.M.W. Knijnenburg
- 1994 (with D. van Dalen and C. Witteveen) C.M. Jonker
- 1994 P.J.M. van Haften
- 1995 (with L.C. van der Gaag) R.R. Bouckaert
- 1996 (with D.K. Hammer) D. Alstein
- 1996 (with Y. Chiaramella) T.W.C. Huibers
- 1997 (with H.L. Bodlaender) B.L.E. de Fluiter
- 1998 (with M. Veldhorst) J.H. Verriet
- 1999 (with J.F. Groote and H. van Maaren) J.P. Warners
- 2000 (with K.I. Aardal and G. Kant) A.M. Verweij
- 2000 (with W-P. de Roever and F. de Boer) U. Hannemann
- 2003 (with L.C. van der Gaag and D. Thierens) P.A.N. Bosman
- 2004 (with E.M.J. Aarts and J. Korst) W.P.A.J. Michiels
- 2004 (with E.M.J. Aarts and J. Verriet) I.C.M. Flinsenber

2005 (with H.L. Bodlaender) Th. Wolle
2006 (with J. Wiedermann) P.R.A. Verbaan
2007 (with J.A. Hoogeveen) P.M. Lennartz
2008 (with J.M. van den Akker and J.A. Hoogeveen) G. Diepen
2009 (with L.C. van der Gaag, H.L. Bodlaender and G. Tel) J.H.P. Twisthout
2011 (with H.L. Bodlaender) J.M.M. van Rooij

MSc Theses supervised

Over 75, see: <http://www.cs.uu.nl/people/jan/> for a listing.

Courses taught

- See <http://www.cs.uu.nl/people/jan/> for a listing.
- See <http://www.cs.uu.nl/groups/AD/AS.html> for details about the MSc programme *Algorithmic Systems*.

Memberships

Academia Europaea, ACM, Amicitia Naturae Interpres, EATCS, Gesellschaft für Informatik (GI Plus-Mitglied), Koninklijke Hollandsche Maatschappij der Wetenschappen (Royal Netherlands Society of Sciences), IEEE Computer Society (until 2004), ACM-SigACT, Koninklijk Wiskundig Genootschap (Royal Mathematical Society, the Netherlands).

ADDRESS

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