Curriculum Vitae – Sigurd Meldal

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413 Claremont Way, Menlo Park, CA 94025

Education

1986	Dr. Scient. in Informatics, University of Oslo
	Thesis title: Partial Correctness and Hierarchical Abstraction of Concurrent Systems.
1984	NATO Advanced Science Institute on Concepts of Distributed Programming, Marktoberdorf
1982	Cand. Real. in Informatics, University of Oslo
	Thesis title: CHAP – Syntax and Semantics of Concurrent Processes.
1979	Cand. Mag., University of Oslo
	Major in computer science, minor in mathematics and statistics.

Employment

2013 –	**Interim Director, SJSU Cyber Security Cluster**
2005 –	**Co-Director, NSF Center for Research in Ubiquitous Secure Technologies, UC Berkeley**
2002 –	**Chair, Computer Engineering Department, San José State University**
2002 –	**Professor of Computer Engineering, Software Engineering and Computer Science, Computer Engineering and Computer Science Departments, San José State University**
2008 – 2009	Chair, Academic Senate, San José State University
2000 – 2002	Chair, Computer Science Department, Cal Poly
2000 – 2002	Professor of Computer Engineering and Computer Science, Computer Science Department, Cal Poly
1999 – 2000	Associate Chair, Computer Science Department, Cal Poly
1997 – 2000	Associate Professor, Computer Science Department, Cal Poly
1989 – 1998	Professor (Consulting/Visiting), Electrical Engineering Department, Stanford University.
1990 – 1998	Professor, Department of Informatics, University of Bergen.
1997	Director, Computer Science Program, College of Notre Dame.
1993 – 1995	Department Chair, Department of Informatics, University of Bergen.
1989	Associate Professor (Visiting), Stanford University.
1987 – 1989	Førsteamanuensis, Department of Informatics, University of Bergen.
1986 – 1987	Fulbright Scholar, Stanford University.
1983 – 1986	Universitetsstipendiat, Institute of Informatics, University of Oslo.
1982	Researcher, The Norwegian Computing Center, Oslo.

Postdoctoral fellowships

1986 – 1987	Fulbright Scholar, Stanford University.

Honors and awards

2000	Certificate of Special Recognition from the U.S. House of Representatives
2000	Certificate of Recognition from the California State Assembly
1987	The Carl-Erik Fröberg Award
1986	Fulbright-Hayes Fellowship

Externally funded grants

2013 – …	Hightail, Inc., $451,671
2012 – …	Citrix Systems Silicon Valley, $218,342
2007 – 2011	RingCube, $940,000

2005 – …	NSF STC TRUST, $732,500.
2006 – 2009	NSF IACBP, $356,000
2005	Software Security Laboratory, Intel, $40,000 (co-PI)
2005	Software Engineering Internationalization with Asia. Funded by Samsung Electronics. $60,000
2004	Software Engineering Internationalization, $21,000.
2000 – 2004	Fund for Excellence in Computer Software Engineering Funded by the GREEN Foundation. Total: $500,000.
2000 – 2002	Retaining females in Computer Science Education Funded by CP Plan. Total: US$ 15,000.
2000 – 2002	High Demand Courses - Computer Science Funded by CP Plan. Total: US$ 30,000.
2001	The Bonderson Advanced Software Design Studio. Funded by a private donation. Total: $1,000,000.
2001	Computer Software Engineering Laboratory. Funded by Compaq. Total: $35,000
2000 – 2001	Static Analysis Tools (requirements phase). Funded by Compaq. Total: US$ 20,000.
1999 – 2000	JEM. Funded by Raytheon Systems. Total: $ 45,000.
2000	JavaBeans. Funded by Raytheon Systems. Total: $ 75,000.
1997 – 2000	Architecture Independence in Software Design and Development Funded by NFR. Total: US$ 175,000.
1999	SEED. Funded by Rational Software, Inc. $2,500,000.
1998	Integrated Development Environment. Funded by Metrowerks. Total: US$ 157,398.
1996 – 1998	Biocomputing. Funded by NFR. Total: US$ 150,000.
1994 – 1997	Internationalization. Funded by NFR. Total: NOK 440,000 (US$ 75,000)
1989 – 1996	Rapid Construction of Software Prototypes. With PAVG, Stanford University Funded by US DOD/ONR. Total: US$ 545,367.
1989 – 1996	Computer Aided Educational Technology. With PAVG, Stanford University. Funded by US ARPA
1993 – 1996	COMPASS-II. With Universität Bremen and other European partners Funded by the ESPRIT program. Total: ECU 380,680 (US$ 408,000)
1994 – 1996	Genetic Structures. Funded by NFR. Total: NOK 942,000 (US$ 150,000)
1993 – 1995	Architecture Abstraction. Funded by NFR. Total: $75,000
1991 – 1993	Parallellitet – algoritmer, pålitelighet og numeriske metoder Funded by NAVF. Total: NOK 2,900,000 (US$ 370,000)

Invited talks

2013	Keynote, ISS-13, Udaipur
2011	INNOPROM 2011, Ekaterinburg
2010	Keynote, IEEE IACC, Patiala
2010	Beijing University of Technology
2009	IEEE IACC, Patiala
2008	MSRIT, Bangalore
2007	The International Scientific and Practical Conference Olvian Forum. Yalta.
2006	Beijing University of Technology
2003	Beijing University of Technology
1999	8th International Colloquium on Computer Science with Applications, Plovdiv.
1997	RTSSE Workshop, München, Germany.
1996	Rensselaer Polytechnic Institute, Clemson University, Polytechnic University (New York), New Mexico State University, WOSC, College of Notre Dame
1994	University of San Francisco
1993	Stanford University, Vilnius University
1992	University of Oslo
1991	Universität Bremen

1989	3rd Workshop on Large Grain Parallelism, Pittsburgh
1987	NordDATA 88, Trondheim
1986	Ada Europe – Working Group on Formal Methods, Brussels, University of California, San Diego

Program committees

20th ACM CFP 2010 (conference co-chair), CDSIA 2013 (co-chair), CDSIA 2012 (co-chair), CDSIA 2011 (chair), CDSIA 2010 (chair), IACC 2010, CDSIA 2009 (chair), CDSIA 2008 (chair), ICEE'2001 International Workshop, MPC'2000, MPC'98, FMSP'96, NWSPC'4 (chair), NWSPC'5, NWSPC'6, NIK'93, NIK'94, NWPT'7, NIK'95

Other professional service

Member, Bay Area Council Committee on Cyber Security
ABET Program Evaluator (EAC, CAC)
Editor and Member of the Board of Directors, N. Journal of Computing
Referee, FIE.
Referee, SIGCSE.
Referee, Addison-Wesley.
Referee, National Research Council (Norway)
Referee, National Science Foundation (USA)
Referee, Army Research Office (USA)
Referee, LNCS (RTSSE volume)
Member ACM
Senior member IEEE
Member, Fulbright Association

University service

Some key administrative responsibilities at SJSU, CalPoly and the University of Bergen:

2010 –	Member, Strategic Planning Board, SJSU
2010 –	Member, Policy Committee on Organization and Government, Academic Senate, SJSU
2010 –	Member, Resource Advisory Board, College of Engineering, SJSU
2010	Member, VP Student Affairs Search Committee, SJSU
2009	Member, Provost Search Committee, SJSU
2008 – 2009	Chair, Academic Senate, SJSU
2007 – 2008	Vice Chair, Academic Senate, SJSU
2007 – 2009	Member, University Planning Committee, SJSU
2006 – 2007	Chair, Senate Instruction and Student Affairs Committee, SJSU
2006 – 2010	Member, Senate Executive Committee, SJSU
2005 – 2009	Member, Resource Review Board, SJSU
2005 – 2008	Member, Committee on the Joint MS Degree Program, Beijing Univ. of Technology, China
2005 – 2010	Senator, Academic Senate, SJSU
2005 – 2006	Member, Senate Curriculum and Research Committee, SJSU
2003 –	Member, SJSU ACE Internationalization Leadership Team
2003 – 2004	Member, Academic Senate Task Force on Chairs' Roles and Responsibilities
2001 – 2006	Vice Chair, CSU Discipline Council in Software Engineering, Computer Science and Information Systems
2000 – 2002	Chair, Computer Science Department Resource Acquisition Committee.
2000 – 2002	Member, Computer Engineering Administrative Council.
2000 – 2002	Member, Computer Engineering Council.
1999 – 2002	Chair, Computer Science Department Software Engineering program task force.
1999 – 2000	Member, Cal Poly GE&B Area B/F committee
1998	Member, College of Engineering Committee on the Life Sciences.
1997 – 2000	Member, CalPoly Biotechnology Program Task Force.
1997 – 2000	Member, Computer Science Curriculum Committee.

1997 – 1999   Member, College of Engineering Committee on Research and Development.
1993 – 1995   Member, Doctoral Program Development Task Force.
1987 – 1989   Chair, Univ. of Bergen Informatics Curriculum Development Committee.
1987 – 1989   Member, Univ. of Bergen Undergraduate Curriculum Development Committee.

Some other elective and appointive academic offices:

1995   Member, task force defining the Norwegian Research Council's policy on
              distributed systems research.
1994–1995   Chairman, University of Bergen's task force to increase research productivity.
1993–1996   Member, Board of Directors, the National Center for Parallel Computing.
1993–1995   Member, Board of the Norwegian Universities' Council on Computer Science.
1993–1995   Member, Board of Directors, the Faculty of Mathematics and Science at the
              University of Bergen.

Teaching

Programs created:

BS+MS Computer Engineering co-terminal degree (SJSU)
MS Software Engineering international dual degree program (SJSU, BJUT in PRC)
BS in Software Engineering (SJSU).
MS in Software Engineering (SJSU).
Certificate Programs in Advanced Computer Engineering (SJSU).
BS in Software Engineering. (Cal Poly).

Courses created:

CPE 205/206 Software Engineering I/II (Sophomore level)
CPE 402 Requirements Engineering (Senior level)
CPE 405 Software Construction (Senior level)
CPE 406 Software Deployment (Senior level)
I110 Introduction to programming (Freshman level)
I220 Program Specification and Verification (Senior level)
I229 Selected Topics in Software Development (Senior level)

Other Topics taught:

Compiler technology, object-oriented programming methods, algorithms (both basic and more advanced), data structures, file structures, concepts in concurrency, discrete mathematics

Levels taught:

Introductory through doctoral.

Contributions

Dissertations

1) *On Hierarchical Abstraction and Partial Correctness of Concurrent Structures*, Ph.D. dissertation, Institute of Informatics, University of Oslo, June 1986.

2) *CHAP — Et forslag til syntaks og semantikk for parallelle prosesser*, Master's thesis. Institute of Informatics, University of Oslo, June 1982. (In Norwegian.)

Books

3) *Overlevelsesguide for realfagstudenten,* Realistaksjonens forlag, Oslo (1982). (In Norwegian.) With J. Homb, T.M. Jonassen, T. Rekdal, A. Schjalm.

Edited Proceedings

4) *Proceedings of NIK'94.* Tapir forlag. 1994. Edited with M. Haveraaen, B. Jæger, S. Bjorvand, R. Karlsen, S. Krogdahl, A. Maus, S. Nørsett.

5) *Proceedings of NWPC'92*. University of Bergen, 1992. Edited with M. Haveraaen.

Articles in Refereed Journals and Book Series

6) Computation Algebras. *Mathematical Structures in Computer Science.* (October, 2001) With M.A. Walicki and M. Haveraaen.

7) Key Concepts in Architecture Definition Languages. In *Foundations of Component Based Systems.* G. T. Leavens, M. Sitaraman (Ed.), pp. 23–46. Cambridge University Press, 2000. Invited paper. With D. C. Luckham, J. Vera.

8) Software Prototyping. *Invited contribution to John Wiley & Sons' Encyclopedia of Electrical and Electronics Engineering.* 1999. With G. Fisher, D. Stearns, P. C. Ölveczky.

9) NSA's *MISSI* Reference Architecture – From Prose to Precise Specification. In *Requirements Targeting Software and Systems Engineering.* M. Broy, B. Rumpe (Eds.). LNCS 1526, pp. 293–329. Springer-Verlag 1998. With D. C. Luckham.

10) Singular and plural non-deterministic parameters. *SIAM J. of Computing* 26(4), August 1997. With M.A. Walicki.

11) Algebraic Approaches to Non-Determinism – an Overview. *ACM Computing Surveys* 29(1), March 1997, pp. 30-81. With M. A. Walicki. [Identical to (69))]

12) Verification Oriented Development of Knowledge Based Systems. *New Review of Applied Expert Systems.* Vol. 2, 1996, pp. 91–104. With A. I. Vermesan.

13) Multialgebras, Power Algebras and Complete Calculi of Identities and Inclusions. In *Recent Trends in Data Type Specification*. E. Astesiano, G. Reggio, A. Tarlecki (Eds.). LNCS 906, pp. 453-468. Springer-Verlag, Berlin, March 1995. With M.A. Walicki.

14) A complete calculus for the multialgebraic and functional semantics of nondeterminism. *ACM TOPLAS 17,* 2 (March 1995), 366-393. With M.A. Walicki.

15) An extension of Standard ML modules with subtyping and inheritance. *Information and Control 71* (1991), 95–130. With J. Mitchell, N. Madhav. [Also as (47)]

16) A complete axiomatic semantics of spawning. *Distributed Computing 5* (1991), 159-174.

17) Fra spesifikasjon til virkelighet. *DATA 17*, 4 (1987), 42–45. (In Norwegian.)

18) Partial correctness of exits from concurrent structures. *BIT 26*, 3 (1986), 295-302.

19) An axiomatic semantics for nested concurrency. *BIT 26*, 2 (1986), 164-174.

20) Styring av bus- of lageraksess i en multiprosessorarkitektur. In *NordDATA 83,* Den Norske Dataforening, Oslo. 1983. (In Norwegian.) With E. Mellbye-Larsen.

Conferences

21) Some Thoughts on Cyber Risk and the Science(s) of Security. *Invited Keynote Address, IEEE ISS-2013.*

22) Breadth, Depth…and Predictable Weather. Components of the success of Silicon Valley. *Invited talk, INNOPROM 2011.*

23) Security – a *science? Invited Valedictorian Address, IEEE IACC 2010.*

24) It's a Dangerous World Out There – The Interplay of Security, Safety and Policy, *Keynote Address, IEEE IACC 2009.*

25) Security, Safety and Privacy – Pervasive Themes for Engineering Education. *Proceedings of ICEE 2008.* With Kristen Gates, Russell Smith, Xiao Su.

26) Learning Modules for Security, Privacy and Information Assurance in Undergraduate Engineering Education. *Proceedings of FIE 2006.* With Daniel Manson et al.

27) Measuring Component-Based Systems Using a Systematic Approach and Environment. *Proceedings of the Second IEEE International Symposium on Service-Oriented System Engineering (SOSE'06).* With Jerry Gao, Yumei Wu, Lee Chang.

28) Ten Pounds in a Five-Pound Sack: Providing Software Engineering Students with Management Experience. *Proceedings of ICEE'2001.* With D. J. Stearns and C. S. Turner.

29) Nondeterminism vs. Underspecification, *Proceedings of The Fifth Multi-Conference on Systemics, Cybernetics and Informatics*, N.Callaos, J.M.Pineda, M.Sanchez (eds.), SCI/ISAS'2001, Orlando FL, USA, 22-25 July 2001. Pp. 551–555. With Walicki, M.

30) Categories of Relational Structures (Modeled as Multialgebras), *Proceedings of the 13th International Symposium on Fundamentals of Computation Theory*, Rusins Freivalds (ed.) Springer-Verlag, LNCS 2138, Riga, Latvia, 22-24 August 2001. With Walicki, M., Hodzic, A.

31) Causal Event-Relations as a Basis for Analyzing Distributed Architectures. In *Proc. 8th Int'l Coll. on Computer Science with Applications*. R. Bainov (Ed.), 2000. With D. C. Luckham.

32) Specification and prototyping of network protocols in rewriting logic. In *Proc. NIK'98.* Tapir, Nov. 1998. With Peter C. Ölveczky.

33) Reference Architectures and Conformance. In *Proceedings of RTSE'97*. M. Broy, B. Rumpe (Eds.). Technische Universät München, April 1998, pp. 203–228.

34) Nondeterministic Algebraic Specifications in a Relational Syntax. *Proceedings of NWPT'95.* With V. Kriauciukas, M. A. Walicki.

35) An algebraic approach to refinement of KBS specifications. In *Proceedings of the European Symposium on the Validation and Verification of Knowledge-Based System,* M. Ayel, M.-C. Rousset (Eds.). ADERAS-LIA, June 1995, pp. 265–276. With A. Vermesan.

36) Generated models and the ω-rule: the nondeterministic case. In *Proceedings of the Sixth International Joint Conference on Theory and Practice of Software Development*, P. D. Mosses, M. Nielsen, M. I. Schwartzbach (Eds.), LNCS 915, pp. 424–438, Springer-Verlag, Berlin, May 1995. With M.A. Walicki.

37) On specialization of derivations in axiomatic equality theories. In *Proceedings of the Symposium on Logical Foundations of Computer Science,* 1994. With A. Pliuskeviciene, R. Pliuskevicius, M.A. Walicki.

38) Polymorphism and subtyping in interfaces. In *Proceedings of the Workshop on Interface Definition Languages,* J.M. Wing (Ed), Carnegie-Mellon University. January 1994, pp. 23-34. The proceedings are also published as *SIGPLAN Notices 29, 8* (August 1994). With D. Katiyar, D. Luckham, J. Mitchell.

39) Causality Breakdown at ω. In *Proceedings of NWPT'94s,* R.J.R. Back, K. Sere (Eds), Åbo Akademi. 1994, pp. 194-203. With P.O. Tvete.

40) Initiality + Nondeterminism $\Rightarrow$ Junk. In *NIK'93,* M. Haveraaen (Ed), Tapir. November 1993, pp. 129-138. With M. Walicki.

41) Sets and Nondeterminism. In *ICLP'93 Workshop on Logic Programming with Sets,* 1993. With M. Walicki.

42) Computations: A deterministic semantics of nondeterminism. In *Proceedings of NWPC'94s*, M. Haveraaen (Eds), Department of Informatics, University of Bergen. 1992. With M. Walicki.

43) Subtyping, Assignment and Cloning in a Concurrent Object-Oriented Language. In *Proceedings of the DARPA Software Technology Conference 1992,* DARPA, R. N. Taylor and W. L. Scherlis (Eds), April 1992, pp. 458-470. With D. Katiyar, D. Luckham, N. Madhav, J. Mitchell, S. Sankar.

44) Towards an Equational Theory of Nondeterminism. In *Proceedings NIK'91,* 1991. With M. Walicki.

45) Exploiting locality in maintaining potential causality. In *Proceedings of the 10th ACM Symposium on the Principles of Distributed Computing,* ACM, ACM Press. August 1991. Also published as Technical Report CSL-TR-91-466, Computer Systems Laboratory, Stanford University. With S. Sankar, J. Vera.

46) An object-oriented approach to formal specification of reactive systems. In *Proceedings of the 11th International Conference on Distributed Computing Systems,* IEEE_Computer Society, 1991, pp. 134-141. With N. Madhav.

47) An Extension of Standard ML Modules with Subtyping and Inheritance. In *Proceedings of the 18th ACM Symp. on the Principles of Programming Languages,* ACM, ACM_Press. 1991, pp. 270-278. Also published as Technical Report CSL-TR-91-472, Computer Systems Laboratory, Stanford University. With J.C. Mitchell, N. Madhav.

48) Supporting Architecture Mappings in Concurrent Systems Design. In *Proceedings of Australian Software Engineering Conference '90,* IREE_Australia, May 1990.

49) Specifying and Observing Concurrent Programs. In *Proceedings of the 3rd Workshop on Large Grain Parallelism,* SEI, 1989. Invited paper. With D.C. Luckham.

50) An Abstract Axiomatization of Pointer Types. In *Proceedings of the 22nd Annual Hawaii International Conference on System Sciences,* B.D. Shriver (Ed), IEEE Computer Society Press. 1989.

51) Specifying Ada tasking using patterns of behavior. In *Proceedings of the 21st Annual Hawaii International Conference on System Sciences,* B.D. Shriver (Ed), IEEE Computer Society Press. 1988, pp. 129-134. With D.C. Luckham, M.A. Haberler.

52) Redundancy in software design. In *NIK'88,* R. Conradi (Ed), Tapir. 1988, pp. 113-125.

53) Har formelle metoder noen plass i programutvikling? In *NordDATA 87,* Den norske dataforening. 1987. Invited paper. (In Norwegian.)

54) Task Sequencing Language for Specifying Distributed Ada Systems. In *System Development and Ada, Proceedings of the CRAI Workshop on Software Factories and Ada,* A.N. Habermann, U. Montanari (Eds), Springer-Verlag. LNCS. 1986, pp. 249-305. Also in technical report no. CSL-TR-87-334, Stanford University. With D.C. Luckham, D.P. Helmbold, D.L. Bryan, M.A. Haberler.

Presentations

55) At the center of the storm: Preparing the future engineers of Silicon Valley, and the globe. *The Olvian Forum*. Yalta, June 2007

56) International Partnership – Opportunities to Pursue, Barriers to Overcome. ICEE'2001 International Partnership Workshop, Oslo, August 4, 2001.

57) Causal Event-Relations as a Basis for Analyzing Distributed Architectures. 8th Int'l Coll. on Computer Science with Applications. *Invited Talk*

58) Conformance and Multiple Reference Architectures, RTSSE Workshop, München, Germany, Oct. 11–14, 1997. *Invited Talk.*

59) Architecture Design and Conformance Testing in Rapide. *Information Survivability*, San Diego, Jan. 16–18, 1996.

60) Communication Algebras, *11th ADT/8th COMPASS Workshop*, Oslo, Sept. 1995. With M.A. Walicki, M. Haveraaen.

61) Nondeterministic operators in a standard framework – what's the use? In *Abstracts from the 10th ADT/6th COMPASS Workshop, S. Margherita Ligure,* E. Astesiano (Ed), Univ. degli Studi di Genova, DISI. June 1994. With M.A. Walicki.

62) Multialgebras, Power Algebras and Complete Calculi of Identities and Inclusions. In *Abstracts from the 10th ADT/6th COMPASS Workshop, S. Margherita Ligure,* E. Astesiano (Ed), Univ. degli Studi di Genova, DISI. June 1994. With M.A. Walicki.

63) On Generated Models and Inductive Reasoning: The Nondeterministic Case. *5th COMPASS Workshop,* Dresden, September 1993. With M.A. Walicki.

64) Parallel architectures – flop or gigaFLOP? *Vilnius University*, 1993. With Tor Sørevik, Randi Moe.

65) Multialgebras and computations: Two algebraic semantics of nondeterminism. In *9th WADT/4th COMPASS Workshop,* Caldez, 1992. With M.A. Walicki.

66) *A function oriented view of nondeterminism*. October 1991. NWPC'91. With M.A. Walicki.

Technical Reports

67) *Defining a Security Reference Architecture.* Tech. Report CSL–97–728. Stanford University. June 1997. With D. C. Luckham.

68) *Three Concepts of System Architecture*. Tech. Report CSL–TR–95–674, Stanford University, July 1995. With D. C. Luckham, J. Vera.

69) *Algebraic Approaches to Nondeterminism – an Overview*. Tech. Report 104, Dept. of Informatics, University of Bergen, Norway, February 1995. ISSN 0333–3590. With M. A. Walicki.

70) *Nondeterministic Operators in Algebraic Frameworks*. Tech. Report CSL–TR–95–664, Stanford University, March 1995. With M. A. Walicki.

71) *Extending CSP with Termination Independent Process Activation.* Tech. Rept. 37, Dept. of Informatics, University of Bergen. 1989.

72) *A Proof System Using Context Invariants in Verification of Concurrent Programs.* Tech. Rept. 39, Dept. of Informatics, University of Bergen. 1989.

73) *Allocations of Objects Considered as Nondeterministic Expressions — Towards a More Abstract Axiomatics of Access Types.* Tech. Rept. CSL-TR-87-335, CSL, Stanford University. 1987.

74) *Task Sequencing Language for Specifying Distributed Ada Systems. TSL-1.* Tech. Rept. CSL-TR-87-334, Stanford University, Computer Systems Lab. 1987. With D.C. Luckham, D.P. Helmbold, D.L. Bryan, M.A. Haberler.

75) Dokumenter i Devnagari og transkripsjon ved hjelp av TeX. *NUSE*, 61 (1986). (In Norwegian.)

76) *Predicting the Future: Proof Rules for Exceptions in Concurrent Structures.* Tech. Rept. 101, Institute of Informatics, University of Oslo. 1986.

77) *Language Elements for Hierarchical Abstraction in Concurrent Structures.* Tech. Rept. 102, Institute of Informatics, University of Oslo. 1986.

78) *Axiomatic Semantics of Access Type Tasks in Ada.* Tech. Rept. 100, Institute of Informatics, University of Oslo. 1986. Invited paper at the meeting of Ada Europe Working Group on Formal Methods, February 16th, 1986.

79) *Exits from Systems of Nested Processes — An Axiomatic Semantics.* Tech. Rept. 93, Institute of Informatics, University of Oslo. 1985.

80) *The HOLM Language.* Tech. Rept. 728, Norwegian Computing Centre. 1982. With D. Belsnes, O. Hanseth.