

Tekijä Author	Väitöskirjan otsikko Title	Vuosi Year	Ohjaaja Advisor
Hirvensalo, Mika	Studies on Boolean Functions Related to Quantum Computing	2003	Juhani Karhumäki
Ranto, Kalle	Z4-Goethals Codes, Decoding and Designs	2002	Jyrki Lahtonen
Petre, Ion	Commutation Problems on Sets of Words and Formal Power Series	2002	Juhani Karhumäki
Noykova, Nelly	Modelling and identification of microbial population dynamics in wastewater treatment	2002	Mats Gyllenberg
Manuch, Jan	Defect Theorems and Infinite Words	2002	Juhani Karhumäki
Lepistö, Arto	On Relations between Local and Global Periodicity	2002	Juhani Karhumäki
Halava, Vesa	The Post Correspondence Problem for Marked Morphisms	2002	Tero Harju
Parvinen, Kalle	Adaptive Metapopulation Dynamics	2001	Mats Gyllenberg
Lund, Tatu	Mathematical models and algorithms of classification with applications to microbial taxonomy	2001	Mats Gyllenberg
Aittokallio, Tero	Characterization and Modelling of the Cardiorespiratory System in Sleep-disordered Breathing	2001	Mats Gyllenberg

#### 1990-luku Decade 90's

Nurmi, Kimmo	Generic Algorithms for Timetabling and traveling Salesman Problems	1999	Ulla Pursiheimo
Järvinen, Jouni	Knowledge Representation and Rough Sets	1999	Magnus Steinby
Ilie, Lucian	Decision Problems on Orders of Words	1999	Arto Salomaa
Mihalache, Valeria	Cooperation, Communication, Control: Investigations on Grammar Systems	1998	Arto Salomaa
Laihonen, Tero	Estimates on the Covering Radius When the Dual Distance is Known	1998	Iiro Honkala
Ding, Cunsheng	Cryptographic Counter Generators	1997	Arto Salomaa
Alvarez, Luis	Singular Stochastic Control and Optimal Stopping Theory in Mathematical Finance, Economics, and Population Biology	1997	Paavo Salminen
Lipponen, Marjo	On Primitive Solutions of the Post Correspondence Problem	1996	Arto Salomaa
Jurvanen, Eija	On tree Languages Defined by Deterministic Root-to-Frontier Recognizers	1995	Magnus Steinby
Kaipainen, Yrjö	On the Covering Radius of Long Non-Binary BCH Codes	1995	Aimo Tietäväinen
Renvall, Ari	Cryptographic Protocols and Techniques for Communication	1994	Arto Salomaa
Knuutila, Timo	On the Inductive Inference of Regular String and tree Languages	1994	Magnus Steinby
Kari, Lila	Insertion and Deletion in Formal Languages	1991	Arto Salomaa
Kari, Jarkko	Decision Problems Concerning Cellular Automata	1990	Arto Salomaa

#### 1980-luku Decade 80's

Salomaa, Kai	Alternation and Pushdown Stores in Computations of tree Automata	1989	Magnus Steinby
Niemi, Valteri	Density of Grammatical Families	1989	Arto Salomaa
Mattila, Jorma	Calculus of Modifier Operators in Fuzzy Logic	1989	Olavi Hellman
Honkala, Iiro	Combinatorial Bounds for Binary Constant Weight and Covering Codes	1989	Aimo Tietäväinen
Honkala, Juha	L Codes and Generalized Number Systems	1988	Arto Salomaa
Lukka, Anita	On Method and System Design for a Problem in Vehicle Routing and Scheduling	1987	Ulla Pursiheimo
Ruskeepää, Heikki	Kalman Filtering and Prediction for Discrete-Time Models with Stochastic Regressors	1986	Olavi Hellman
Mäki, Sirpa	On the Density of Abelian Number Fields	1985	Veikko Ennola
Meurman, Tom	The Mean Twelfth Power of Dirilecht L-functions on the Critical Line	1984	Matti Jutila
Koppinen, Markku	Decomposing and Lifting Hyperalgebras	1983	Timo Neuvonen
Ernvall, Sirpa	When Does the Modular Distance Induce a Metric	1983	Aimo Tietäväinen
Tarnanen, Hannu	An Approach to Constant Weight and Lee Codes by Using the Methods of Association Schemes	1982	Aimo Tietäväinen
Aaltonen, Matti	Bounds on the Information Rate of a tree Code as a Function of the Code's Feedback Decoding Minimum Distance	1981	Aimo Tietäväinen

#### 1970-luku Decade 70's

Pajunen, Seppo	The Growth of the First Factor of the Cyclotomic Class Number Under the Generalized Riemann Hypothesis	1979	Timo Lepistö
Leipälä, Raija	Studies on Context-Free Matrix Forms	1979	Arto Salomaa
Laakso, Hannu-Veikko	Nonexistence of Nontrivial Perfect Codes in the Case $\sum_{i=0}^n p_i x^i = p_0 x^n + p_1 x^{n-1} + \dots + p_n$	1979	Aimo Tietäväinen
Harju, Tero	Simulation and Representation of Automata Using Auxiliary Tape Notation	1979	Arto Salomaa
Ernvall, Reijo	Generalized Bernoulli Numbers, Generalized Irregular Primes, and Class Number	1979	Tauno Metsänkylä
Lindfors, Ilpo	Optimal Search track Subject to Fuel Constraint	1978	Ulla Pursiheimo
Astola, Jaakko	On Perfect Codes in the Lee-Metric	1978	Aimo Tietäväinen
Virtanen, Ilkka	On the Concepts and Derivation of Reliability in Stochastic Systems With States of Reduced Efficiency; an Application of Supplementary Variables and Discrete transforms	1977	Ulla Pursiheimo
Lindström, Riitta-Liisa	Some Branching Process Epidemic Models for a Community Consisting of Several Interacting Subpopulations	1977	Olavi Hellman
Soittola, Matti	On Stochastic and Q-Stochastic Languages	1976	Arto Salomaa
Ruohonen, Matti	Consideration of Some Local and Asymptotic Properties of Single-Level Sampling Inspection Plans	1976	Olavi Hellman
Ruohonen, Keijo	Some Combinatorial Mappings of Words	1976	Arto Salomaa
Nevalainen, Olli	On the Design and Use of a Simulation Game Map	1976	Timo Järvi
Leipälä, Timo	On Discretized Stationary Search	1976	Olavi Hellman
Karhumäki, Juhani	Studies of informationless L systems	1976	Arto Salomaa
Uusipaikka, Esa	On the Optimal Random Motion	1975	Olavi Hellman
Linna, Matti	$\omega$ -words and $\omega$ -computations	1975	Arto Salomaa
Lindström, Kauko	The Nonexistence of Unknown Nearly Perfect Binary Codes	1975	Aimo Tietäväinen
Penntonen, Martti	Context-Sensitive Languages and Context-Free Derivations	1974	Arto Salomaa
Lukka, Markku	On the Optimal Searching tracks for a Stationary Target	1974	Olavi Hellman
Järvi, Timo	A Random Search Optimizer With an Application to a Max-Min Problem. A Special trajectory Estimation Problem	1973	Olavi Hellman
Saretsalo, Lauri	On Stochastic Models of Search for Stationary and Moving Objects	1972	Olavi Hellman
Urponen, Topi	On Axiom Systems for Regular Expressions and on Equations Involving Languages	1971	Arto Salomaa
Pursiheimo, Ulla	Optimization of Search With Constant Spreading speed of Effort	1971	Olavi Hellman
Perko, Aarni	Some Problems of Search and Detection	1971	Olavi Hellman
Jutila, Matti	On Two Theorems of Linnik Concerning the Zeros of Dirilecht's L-functions	1970	Kustaa Inkeri

**1960-luku Decade 60's**

Steinby, Magnus	On Definite Automata and Related Systems	1969 Arto Salomaa
Turakainen, Paavo	On Probabilistic Automata and Their Generalizations	1968 Arto Salomaa
Metsänkylä, Tauno	Über den ersten Faktor der Klassenzahl des Kreiskörpers	1968 Kustaa Inkeri
Lepistö, Timo	On the First Factor of the Class Number of the Cyclotomic Field and Dirichlet's L-function	1966 Kustaa Inkeri
Tietäväinen, Aimo	On the Non-Trivial Solvability of Some Equations and Systems of Equations in Finite Fields	1965 Kustaa Inkeri
Hyyrö, Seppo	Über die Gleichung $ax^n - bx^n = z$ und das Catalansche Problem	1965 Kustaa Inkeri
Salomaa, Arto	On the Composition of Functions of Several Variables Ranging over a Finite Set	1960 Kustaa Inkeri