

# Courses

Courses given by the Laboratory of Computer and Information Science.

## Spring Semester 2004

Code	Course	Lecturer	Course Assistant
T-61.140	Signal Processing Systems	O. Simula	J. Parviainen, A. Sorjamaa, V. Viitaniemi
T-61.152	Seminar on Computer and Information Science	E. Bingham	
T-61.233	Computer Vision	J. Laaksonen	J. Iivarinen
T-61.256	Learning Models and Methods	P. Pajunen	E. Bingham
T-61.261	Principles of Neural Computing	K. Raivio, T. Honkela	J. Venna, M. Aksela
T-61.281	Statistical Natural Language Processing	T. Honkela K. Lagus	V. Siivola
T-61.182	Special Course II: <i>Information Theory and Machine Learning</i>	J. Karhunen	A. Honkela
T-61.183	Special Course III: <i>Bioinformatics</i>	S. Khuri, J. Hollmén	H. Hiisilä
T-122.102	Special Course VI: <i>Co-occurrence Methods in Analysis of Discrete Data</i>	K. Puolamäki, J. Hollmén	A. Klami

## Fall Semester 2004

Code	Course	Lecturer	Course Assistant
T-61.123	Computer Architecture	S. Haltsonen	L. Eloranta, M. Mäkinen, A. Sorjamaa
T-61.124	Special Project in Computer Architecture	S. Haltsonen	
T-61.231	Principles of Pattern Recognition	T. Honkela K. Raivio M. Koskela	M. Koskela M. Aksela
T-61.238	Statistical Signal Modelling	P. Pajunen	V. Viitaniemi
T-61.246	Digital Signal Processing and Filtering	O. Simula	J. Parviainen, K. Korpiaho, A. Savolainen
T-61.247	Digital Image Processing	J. Laaksonen	J. Iivarinen
T-61.263	Advanced Course in Neural Computing	J. Karhunen	J. Peltonen
T-61.271	Information Visualisation	K. Puolamäki	T. Raiko
T-61.181	Special Course I: <i>Biomedical Signal Processing</i>	R. Vigário, J. Särelä	
T-61.184	Special Course IV: <i>Speech Recognition and Language Modeling - From Theory to Practice</i>	B. Pellom	
T-61.186	Special Course in Language Technology: <i>The Evolution of Language and Cognition: Modeling Perspectives</i>	K. Lagus, K. Kanto, T. Honkela	
T-122.101	Special Course V: <i>Analysis of Time-series and Sequences</i>	A. Lendasse, J. Hollmén	A. Sorjamaa

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Code	Course	Lecturer	Course Assistant
T-61.140	Signal Processing Systems	O. Simula	J. Parviainen, K. Korpiaho A. Savolainen
T-61.152	Seminar on Computer and Information Science: <i>Causality</i>	E. Bingham	
T-61.233	Computer Vision	J. Laaksonen	J. Iivarinen
T-61.256	Learning Models and Methods	P. Pajunen	V. Viitaniemi
T-61.261	Principles of Neural Computing	K. Raivio	J. Venna M. Aksela
T-61.281	Statistical Natural Language Processing	K. Lagus, T. Honkela	S. Virpioja
T-61.182	Special Course II: <i>Biomedical Image Analysis</i>	R. Vigário, J. Särelä	
T-61.183	Special Course II: <i>Multimodal Systems</i>	T. Honkela, M. Kurimo, J. Laaksonen, K. Lagus, K. Puolamäki	
T-122.102	Special Course VI: <i>Regularization and Sparse Approximations</i>	J. Hollmén, A. Lendasse	J. Tikka

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T-61.123	Computer Architecture	S. Haltsonen	L. Eloranta, M. Mäkinen, A. Sorjamaa
T-61.124	Special Project in Computer Architecture	S. Haltsonen	
T-61.2010	From Data to Knowledge	H. Mannila E. Oja	J. Parviainen U. Remes
T-61.3040	Statistical Signal Modelling	P. Pajunen	V. Viitaniemi
T-61.5030	Advanced Course in Neural Computing	J. Karhunen	J. Peltonen
T-61.5050	High-Throughput Bioinformatics	S. Kaski P. Auvinen	J. Nikkilä
T-61.5060	Algorithmic methods of data mining	H. Mannila	K. Puolamäki
T-61.5080	Signal Processing in Neuroinformatics	R. Vigário J. Särelä	
T-61.5100	Digital Image Processing	J. Laaksonen	J. Iivarinen
T-61.6050	Special Course V: <i>Neural Networks for Modelling and Control of Dynamic Systems</i>	J. Hollmén A. Lendasse	J. Tikka
T-61.6080	Special Course in Bioinformatics: <i>Analysis of proteomic and metabolic data</i>	S. Kaski M. Oresic	J. Nikkilä
T-61.6090	Special Course in Language Technology: <i>Statistical Machine Translation</i>	T. Honkela	T. Lindh-Knuutila J. Väyrynen

