

Programme for Machine Intelligence 18
Room K/G33
King's Manor, University of York
19-21 September 2001

Wednesday, 19th September

0800 BREAKFAST

0900 WELCOME - Stephen Muggleton

0910 SESSION 1, Chair: Jan Komorowski

0910 Michael Ashburner, European Bioinformatics Institute, UK,

“On the representation of ‘gene function and process’ in genome databases:
The Gene Ontology Consortium”

1010 Steffen Schulze-Kremer, Max Planck Institute for Molecular Genetics, Germany

“Ontologies for Molecular Biology”

1110 COFFEE

1130 BREAK - Walk along York City Walls

1230 LUNCH

1400 SESSION 2, Chair: Nils Nilsson

1400 Donald Michie, University of Edinburgh

“Return of the ‘imitation game’”

1500 Claude Sammut, University of New South Wales, Australia

“Managing Context in a Conversational Agent”

1600 TEA

1630 SESSION 3, Chair: Koichi Furukawa

1630 Hideo Bannai, University of Tokyo

“HypothesisCreator: Concepts for Accelerating the Computational Knowledge
Discovery Process”

1730 Boris Ryabko, The IT University of Copenhagen, Denmark

“The nonprobabilistic approach to learning the best prediction”

1830 BREAK

1900 DINNER

Thursday, 20th September

0800 BREAKFAST

0900 SESSION 4 - Chair: Schulze-Kremer

0900 Jan Komorowski, Norwegian University of Science and Technology, Norway

“On Discovering Gene Function with Approximate Methods”

1000 Kiyoshi Asai, Computational Biology Research Center, Japan,

“Finding Genes from DNA Sequences by Using Multi-stream Hidden Markov
Models

1100 COFFEE

1130 Ross King, University of Aberystwyth, UK

“ Representing molecules for induction using logic and quantum mechanics”

1230 LUNCH

1400 SESSION 5, Chair: Donald Michie

1400 Zhanna Reznikova, Institute for Animal Systematics and Ecology, Russia

“How to study ant’s numerical competence using their
own communicative means and ideas of information theory”

1500 Koichi Furukawa, Keio University, Japan

“A Computational Model for Children’s Language Acquisition using
Inductive Logic Programming”

1600 TEA

1630 SESSION 6, Chair: Luc De Raedt

1630 Stephen Muggleton, Imperial College London, UK

“Are grammatical representations useful for learning from biological sequence data? - a case study”

1730 Luc De Raedt, Albert-Ludwigs-University, Germany

“Molecular Feature Mining in HIV Data”

1830 BREAK

1900 Claude Sammut, University of New South Wales, Australia

“RoboCup videos”

1930 BANQUET

Friday, 21st September

0800 BREAKFAST

0900 SESSION 7, Chair: Luc De Raedt

0900 Christopher Bryant, Robert Gordon University, UK

“Combining Inductive Logic Programming, Active Learning and Robotics to Discover the Function of Genes”

1000 Philip Reiser, University of Aberystwyth, UK,

“Developing a Logical Model of Yeast Metabolism”

1100 COFFEE

1130 Adrian Cootes, Imperial College London, UK

“Automatic determination of protein fold signatures from structural superpositions”

1230 LUNCH

1400 SESSION 8, Chair: Stephen Muggleton

1400 Nils Nilsson, Stanford University, USA

“Teleo-Reactive Programs and the Triple-Tower Architecture”

1500 Erik Sandewall, Linkoping University, Sweden

“On the Design of Software Individuals”

1600 TEA

1630 SESSION 9, Chair: Erik Sandewall

1630 Shinichi Morishita, University of Tokyo, UK

Enumeration of the Alternative Spliced Transcripts for Understanding Complexity

1730 Jean Hayes-Michie, Human-Computer Learning Foundation, UK
TBA

1900 DINNER