SCHEDULE
Relevance Symposium

AAAI 1994 Fall Symposium Series
New Orleans, 4–6 November 1994

Friday, 4/Nov

9:00 – 10:30 **Session 1**

Introduction, Russell Greiner

Exploiting Relevance through Model-Based Reasoning, Roni Khardon & Dan Roth
DISCUSSANT: Bart Selman

Relevance Measures for Localized Partial Evaluation of Belief Networks, Denise Draper
DISCUSSANT: Devika Subramanian

10:30 – 11:00 Coffee Break

11:00 – 12:30 **Session 2**

Belief-Based Irrelevance and Networks: Toward Faster Algorithms for Prediction, Moises Goldszmidt
DISCUSSANT: Marek Druzdzel

Forget It!, Fangzhen Lin & Ray Reiter
DISCUSSANT: Alon Levy

A Logical Notion of Conditional Independence: Properties and Applications, Adnan Darwiche
DISCUSSANT: Gerhard Lakemeyer

12:30 – 2:00 Lunch

2:00 – 3:30 **Session 3**

Additive Versus Exponentiated Gradient Updates for Linear Prediction, Jyrki Kivinen & Manfred Warmuth
DISCUSSANT: Nick Littlestone

Exploiting the Absence of Irrelevant Information: What You Don't Know Can Help You, R.Bharat Rao, Russell Greiner & Tom Hancock
DISCUSSANT: Lisa Hellerstein

Selecting Relevant Information and Delaying Irrelevant Data for Objects Recognition, T. Pun, J-M. Bost, R. Milanese, C. Rauber & S. Startchik
DISCUSSANT: Eric Neufield

3:30 – 4:00 Coffee Break

4:00 – 5:30 **Session 4: Posters**

4:00 – 4:15 Introduction to posters

- *Space-bounded Identification of Halfplanes in the Discrete Grid*, Foued Ameur
- *Finding Relevant Subspaces in Neural Network Learning*, Avrim Blum & Ravi Kannan
- *Relevance in Plan Recognition for Advice-giving Systems*, Robin Cohen, Ken Schmidt & Peter van Beek
- *NP-Completeness of Searches for Smallest Possible Feature Sets*, Scott Davis & Stuart Russell
- *A Formal to Relevance: Extended Abstract*, James Delgrande & Francis Jeffry Pelletier
- *The Use of Relevance to Evaluate Learning Biases*, Marie desJardins
- *Notes on Learning with Irrelevant Attributes in the PAC Model*, Aditi Dhagat & Lisa Hellerstein
- *Relevance in Probabilistic Models: Backyards in a Small World*, Marek Druzdzel & Henri Suermondt
- *On Relevance in Non-monotonic Reasoning: Some Empirical Studies*, Renée Elio & Francis Jeffry Pelletier
- *Quantifying the Amount of Relevant Information*, Rūsiņš Freivalds, Efim Kinber & Carl Smith
- *Information Loss Versus Information Degradation*, Ken Gemes
- *The Value of Relevance*, Robert Korsan
- *Characterization of Relevance & Irrelevance in Empirical Learning Methods Based on Rough Sets & Matroid Theory*, Shusaku Tsumoto & Hiroshi Tanaka

Saturday, 5/Nov

9:00 – 10:30 **Session 5: Area Summaries I**

Sifting Informative Examples from a Random Source, Yoav Freund
"LEARNABILITY" SUMMARIZER: Avrim Blum

The Relevance of Trees, Glenn Shafer
"UNCERTAINTY MANAGEMENT" SUMMARIZER: Judea Pearl

10:30 – 11:00 Coffee Break

11:00 – 12:30 **Session 6: Area Summaries II**

A Proof-Theoretic Approach to Irrelevance: Foundations and Applications
, Alon Levy, Richard Fikes & Yehoshua Sagiv
"KNOWLEDGE REPRESENTATION" SUMMARIZER: Devika Subramanian

How Useful is Relevance?, Rich Caruana & Dayne Freitag
Feature Subset Selection as Search with Probabilistic Estimates, Ron Kohavi
"MACHINE LEARNING" SUMMARIZER: Pat Langley

12:30 – 2:00 Lunch

2:00 – 3:30 **Session 7: Panel,** *Research Agenda for Relevance Reasoning*:
Don Kraft (Information Retrieval), Manfred Warmuth (Learnability), Pat Langley (Machine Learning), Peter Hammer (Operations Research), Adnan Darwiche (Uncertainty Management)

3:30 – 4:00 Coffee Break

4:00 – 5:30 **Session 8**

4:00 – 4:15 Introduction to posters

- *Hypothesizing Relevant Situation Models*, Raj Bhatnagar
- *Relevance Reasoning in Test Retrieval*, Kathleen Dahlgren
- *Identifying the Right Reasons: Learning to Filter decision Makers*, Susan Epstein
- *Task Selection in a Dynamic World*, Mark Fasciano
- *Learning from Relevant & Irrelevant Information*, Leona Fass
- *How to Retrieve Relevant Information?*, Igor Jurišica
- *Understanding Relevance Vis-a-Vis Internal Transfer*, Angela Kennedy
- *Relevance in Textual Retreival*, Don Kraft & Carol Barry
- *Pruning Irrelevant Features from Oblivious Decision Trees*, Pat Langley & Stephanie Sage
- *Discarding Irrelevant Parameters in hidden Markov model based part-of-speech taggers*, Eric Neufeld
- *Dynamic-Bias Induction*, Daniel Oblinger & Gerald DeJong
- *Nonmonotonic Logic for Analogical Reasoning*, Guiyou Qiu
- *Automated Modeling for Answering Prediction Questions: Selecting Relevant Influences*, Jeff Rickel & Bruce Porter
- *Improving Source Selection in Analogical Reasoning An Interactionist Approach*, William Stubblefield & George Luger

Sunday, 6/Nov

9:00 – 10:30 **Session 9**

How a Bayesian Approaches Games Like Chess, Eric Baum
Discussant: Stuart Russell

Relevance in a Logic of Only Knowing About and its Axiomatization, Gerhard Lakemeyer
Discussant: Adam Grove

Inconsistency and Redundancy Do Not Imply Irrelevance, Eugene Freuder, Paul Hubbe & Daniel Sabin
Discussant: Bart Selman

10:30 – 11:00 Coffee Break

11:00 – 12:30 **Session 10: Panel,** *Tying it all together*

12:30 Adjourn