

# Table of Contents

## Full Papers

Trade-Offs between Inductive Power and Logical Omniscience in Modeling Context .....	1
<i>H. Arló Costa</i>	
Uncertainty and Conflict Handling in the ATT-Meta Context-Based System for Metaphorical Reasoning .....	15
<i>J.A. Barnden</i>	
WordSieve: A Method for Real-Time Context Extraction.....	30
<i>T. Bauer and D.B. Leake</i>	
Pragmatic Reasoning (Pragmatic Semantics and Semantic Pragmatics) ...	45
<i>J. Bell</i>	
On the Dimensions of Context Dependence: Partiality, Approximation, and Perspective.....	59
<i>M. Benerecetti, P. Bouquet, and C. Ghidini</i>	
Context of Utterance and Intended Context .....	73
<i>C. Bianchi</i>	
Two Formalizations of Context: A Comparison .....	87
<i>P. Bouquet and L. Serafini</i>	
Consider the Alternatives: Focus in Contrast and Context.....	102
<i>J. Cohan</i>	
Context in the Study of Human Languages and Computer Programming Languages: A Comparison .....	116
<i>J.H. Connolly</i>	
Modeling Context Effect in Perceptual Domains .....	129
<i>M. Dastani and B. Indurkha</i>	
Learning Appropriate Contexts .....	143
<i>B. Edmonds</i>	
Context and Relevance: A Pragmatic Approach .....	156
<i>H.R. Ekbil and A.G. Maguitman</i>	
Counterfactual Reasoning .....	170
<i>R. Ferrario</i>	

Context-Based Ambiguity Management for Natural Language Processing .	184
<i>M. Romacker and U. Hahn</i>	
A Connectionist-Symbolic Approach to Modeling Agent Behavior: Neural Networks Grouped by Contexts .....	198
<i>A.E. Henninger, A.J. Gonzalez, M. Georgiopoulos, and R.F. DeMara</i>	
Context Dependency of Pattern-Category Learning .....	210
<i>M. Jüttner and I. Rentschler</i>	
Simulating Context Effects in Problem Solving with AMBR .....	221
<i>B. Kokinov and M. Grinberg</i>	
A New Method Based on Context for Combining Statistical Language Models .....	235
<i>D. Langlois, K. Smaili, and J.-P. Haton</i>	
Experimental Pragmatics: Towards Testing Relevance-Based Predictions about Anaphoric Bridging Inferences .....	248
<i>T. Matsui</i>	
Workflow Context as a Means for Intelligent Information Support .....	261
<i>H. Maus</i>	
The Role and Modeling of Context in a Cognitive Model of Roger's Person-Centred Approach .....	275
<i>R. Motschnig-Pitrik and L. Nykl</i>	
Local Holism .....	290
<i>C. Penco</i>	
Whom Is the Problem of the Essential Indexical a Problem for? .....	304
<i>I. Stojanovic</i>	
Contextual Categorization and Cognitive Phenomena .....	316
<i>C. Tijus</i>	
Representing the Graphics Context to Support Understanding Plural Anaphora in Multi-modal Interfaces .....	330
<i>E.H. Turner and R.M. Turner</i>	
Using Explicit, A Priori Contextual Knowledge in an Intelligent Web Search Agent .....	343
<i>R.M. Turner, E.H. Turner, T.A. Wagner, T.J. Wheeler, and N.E. Ogle</i>	
Contexts and the Philosophical Problems of Knowledge .....	353
<i>N. Vassallo</i>	
Practical Context Transformation for Information System Interoperability .	367
<i>H. Wache and H. Stuckenschmidt</i>	

Explanation as Contextual .....	381
<i>R.A. Young</i>	
Contextual Categorization: A Mechanism Linking Perception and Knowledge in Modeling and Simulating Perceived Events as Actions ..	395
<i>E. Zibetti, V. Quera, F.S. Beltran, and C. Tijus</i>	

## Short Papers

The Motivational Context .....	409
<i>W.A. Adams</i>	
An Approach to Anaphora Based on Mental Models .....	413
<i>G. Boella and L. Lesmo</i>	
Context and <i>Multi-media Corpora</i> .....	417
<i>C. Bosco and C. Bazzanella</i>	
Belief Expansion, Contextual Fit, and the Reliability of Information Sources .....	421
<i>L. Bovens and S. Hartmann</i>	
The Role of the Context in the Acquisition and in the Organisation of Knowledge: Studies from Adults and from Children .....	425
<i>A. Chevalier and L. Martinez</i>	
VC-Dimension of a Context-Dependent Perceptron .....	429
<i>P. Ciskowski</i>	
A Framework for Context-Driven Web Resource Discovery .....	433
<i>C. Dichev</i>	
Specifying Contexts for Coordination Patterns .....	437
<i>P. Etcheverry, P. Lopistéguy, and P. Dagorret</i>	
Looking at “Situated” Technology: Differences in Pattern of Interaction Reflect Differences in Context .....	441
<i>A.-L. Fayard and A. Henderson</i>	
A Context-Driven Approach for Knowledge Acquisition: Application to a Leukemia Domain .....	445
<i>J.T. Fernández-Breis, R. Valencia-García, R. Martínez-Béjar, and P. Cantos-Gómez</i>	
Context in Natural-Language Communication: Presupposed or Co-supposed? .....	449
<i>A. Fetzer</i>	

Using Contexts Competition to Model Tactical Human Behavior  
in a Simulation ..... 453  
*A.J. Gonzalez and S. Saeki*

Case Studies in Developing Contextualising Information Systems ..... 457  
*R. Klemke and A. Nick*

About Some Relationships between Knowledge and Context ..... 461  
*J.-C. Pomerol and P. Brézillon*

Combining Cases and Rules to Provide Contextualised Knowledge Based  
Systems ..... 465  
*D. Richards*

**Author Index ..... 471**

Modeling and Using Context

Third International and Interdisciplinary Conference,

CONTEXT, 2001, Dundee, UK, July 27-30, 2001,

Proceedings

Akman, V.; Bouquet, P.; Thomason, R.; Young, R.A.

(Eds.)

2001, XVI, 472 p., Softcover

ISBN: 978-3-540-42379-9