

VU Research Portal

Making Up Your Mind: An Exploration into Analysis and Support in Individual and Social Contexts

Duell, R.

2016

document version

Publisher's PDF, also known as Version of record

[Link to publication in VU Research Portal](#)

citation for published version (APA)

Duell, R. (2016). *Making Up Your Mind: An Exploration into Analysis and Support in Individual and Social Contexts*.

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal ?

Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

E-mail address:

vuresearchportal.ub@vu.nl

TABLE OF CONTENTS

Summary.....	1
PART	
I Introduction and Basic Concepts	
Chapter 1 – Introduction.....	5
Chapter 2 – Modelling Dynamical Systems.....	25
II Analysis and Support of Individual Agent Processes	
Chapter 3 – An Ambient Intelligent Agent Model using Controlled Model-Based Reasoning to Determine Causes and Remedies for Monitored Problems.....	39
Chapter 4 – An Ambient Agent System Assisting Humans in Complex Tasks by Analysis of a Human’s State and Performance.....	47
Chapter 5 – An Ambient Agent Model for Group Development Support.....	73
III Analysis and Support of Social Agent Interaction	
Chapter 6 – Agent-Based Modelling of Emotion Contagion in Groups.....	85
Chapter 7 – Group Emotion Contagion Mathematical Analysis.....	113
Chapter 8 – Group Emotion Contagion Simulations.....	129
IV Analysis and Support of Social Agents in Joint Decision Making Processes	
Chapter 9 – A Computational Analysis of Joint Decision Making Processes.....	181
Chapter 10 – Modelling Mediator Assistance in Joint Decision Making Processes Involving Mutual Empathic Understanding.....	201
Chapter 11 – Modelling Mediator Intervention in Joint Decision Making Processes Involving Mutual Empathic Understanding.....	213
V Discussion	
Chapter 12 – Discussion and Conclusion.....	225