

## Contact

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## Top Skills

Negotiation  
Reasoning  
Research

## Publications

Unanimously Acceptable  
Agreements for Negotiation Teams  
in Unpredictable Domains

Nooit meer leren

Computational Approaches for  
Conflict Resolution in Decision  
Making: New Advances and  
Developments



# Catholijn Jonker

Professor at Delft University of Technology and Leiden University.  
Lead scientist of the negotiation support system of WeGain B.V.  
Delft

## Summary

Prof. dr. Catholijn Jonker is head of the Interactive Intelligence group of the faculty of Electrical Engineering, Mathematics, and Computer Science, TU Delft. Jonker is also full professor of Explainable Artificial Intelligence at the Leiden Institute of Advanced Computer Science of Leiden University. She is president of IFAAMAS, board member and a Fellow of EurAI, member of the Academia Europaea, president of ICT Platform of the Netherlands, member of the Royal Holland Society of Sciences and Humanities, member of the CLAIRE National Advisory Board for The Netherlands. In the past she was chair of the Dutch Network of Female Full Professors and of De Jonge Akademie of the Royal Netherlands Academy of Arts and Sciences. Prestigious grants are the NWO VICI (1.5 M€, 2007) personal grant negotiation support systems, and NWO Gravitation consortium grants on “Hybrid Intelligence” (19 M€ subsidy, 41.9 M€, 2019) of which she is vice-coordinator, and “Ethics of Socially Disruptive Technologies” (18 M€ subsidy, 23.6 M€, 2019) of which she is co-applicant.

### Goals:

1. engineering experiences! More elaborate to engineer effective experience with multi-modal interaction between human and artificial actors in a dynamic and social setting.
2. improving the quality of life through my professional activities.

Specialties: Agent technology  
Modeling intelligence  
Reasoning  
Negotiation

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## Experience

Delft University of Technology  
Professor of Interactive Intelligence  
September 2006 - Present (15 years 1 month)  
Mekelweg 4, Delft

Head of the Interactive Intelligence group.

Leiden University  
Professor of Explainable Artificial Intelligence  
September 2017 - Present (4 years 1 month)  
Leiden, The Netherlands

AAMAS community  
researcher  
1995 - Present (26 years)

Decision support agents. Agent-based simulation. Modelling trust, culture, personality in agents. Negotiation strategies.

AAMAS conferences  
general chair  
2015 - 2015 (less than a year)

Lovelace Colloquium Cardiff 2010  
Invited speaker  
2010 - 2010 (less than a year)

De Jonge Akademie (KNAW)  
member and first Chair  
2005 - 2010 (5 years)

Set up De Jonge Akademie together with the members. We decided to work in three main streams: interdisciplinary research, research and government, research and society.

The chance to work together with so many brilliant researchers, across disciplines, and with a common interest in society and government was fantastic.

Radboud Universiteit Nijmegen  
Prof. Dr.  
September 2004 - August 2006 (2 years)

Cognitive Artificial Intelligence.  
Decision processes during negotiation.

Support tools for crisis management.

Vrije Universiteit Amsterdam

Dr.

October 1994 - August 2004 (9 years 11 months)

Design and specification of interactive reasoning components.

Meta-level reasoning.

Cognitive architectures.

Utrecht University

promovendus

1990 - 1994 (4 years)

Constraints and negations in logic programming. Studying ways to add explicit negation to logic programming.

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## Education

Utrecht University

Dr., Artificial Intelligence / Logic · (1990 - 1994)

Utrecht University

MSc, Computer Science · (1985 - 1990)

Ashram College, Alphen aan den Rijn

VWO, VWO beta · (1982 - 1985)