

Area: Cognitive Processing/Modeling

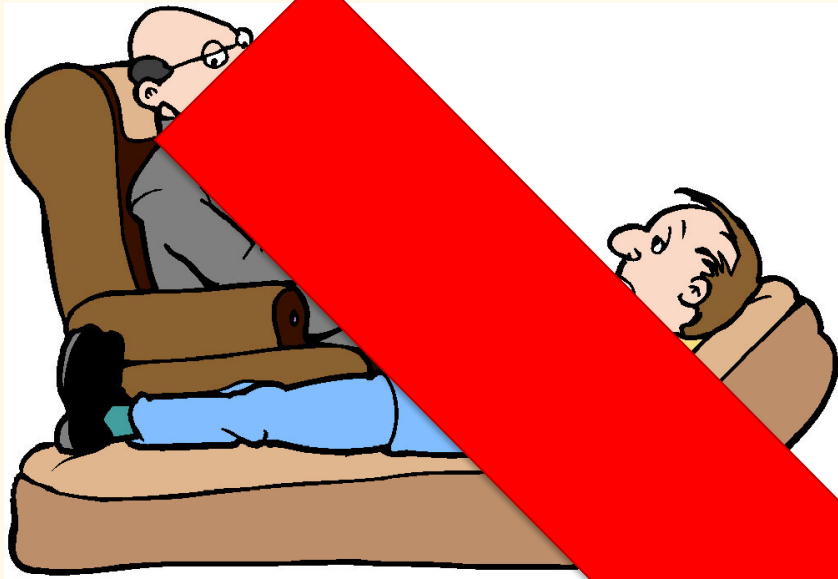
Dr. Chris Janssen on behalf of:

Coordinator: Dr. Martijn Mulder

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In spirit of Dartmouth workshop

“The study is to proceed on the basis of the conjecture that every aspect of learning or any other feature of intelligence ***can in principle be so precisely described*** that a ***machine can*** be made to ***simulate*** it.”

Some topics:

- ✓ Language processing & -production
- ✓ Neural nets (cognitive modeling)
- ✓ Abstraction (from sensor data to concepts)
- ✓ Creativity

Value today

- ✓ Human as inspiration for (system) design
 - ✓ Benchmark for performance
 - ✓ Human-AI interaction
 - ✓ AI as tool to understand humans
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Courses in area “Cognitive modeling”

- **Experimentation in Psychology, Linguistics, and AI**
(INFOMEPL – term 3, slot C)
- **Machine learning for human vision and language**
(INFOMLHVL – term 1, slot D)
- **Cognitive Modeling**
(INFOMCM – term 2, slot A)
- **Each course: mix of labs and lectures**
 - E.g.: Modeling R-assignments on Processing, Machine Learning, and Probabilistic models

Even more options...

- **With Agents & Information & Computer Science, e.g.:**
 - Social Computing
 - Human-centered Machine learning
 - Agents courses
- **With Reasoning:**
 - Logics for Safe AI
 - Logic and Language
- **With Linguistics:**
 - Natural Language Processing
- **With secondary electives:**
 - Expose yourself to our breadth

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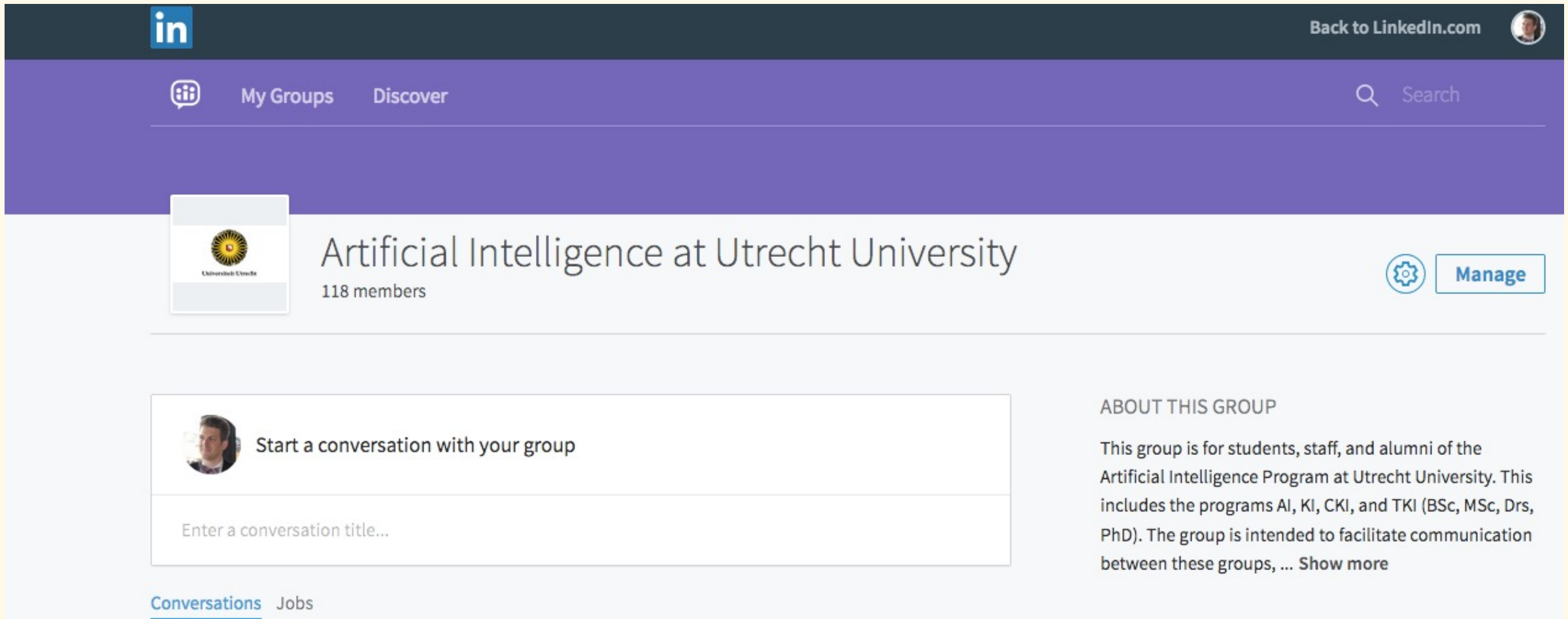
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Plug: LinkedIn AI @ Utrecht group




The screenshot shows the LinkedIn interface for the 'Artificial Intelligence at Utrecht University' group. At the top, the LinkedIn logo is on the left, and 'Back to LinkedIn.com' with a profile picture is on the right. Below this is a purple navigation bar with 'My Groups' and 'Discover' links, and a search bar on the right. The group header features the Utrecht University logo, the group name 'Artificial Intelligence at Utrecht University', and '118 members'. A 'Manage' button with a gear icon is on the right. Below the header, there is a section for starting a conversation with a group member's profile picture and the text 'Start a conversation with your group'. Below this is a text input field with the placeholder 'Enter a conversation title...'. To the right of the conversation section, under the heading 'ABOUT THIS GROUP', is a description: 'This group is for students, staff, and alumni of the Artificial Intelligence Program at Utrecht University. This includes the programs AI, KI, CKI, and TKI (BSc, MSc, Drs, PhD). The group is intended to facilitate communication between these groups, ... Show more'. At the bottom left, there are links for 'Conversations' and 'Jobs'.

in Back to LinkedIn.com

My Groups Discover Search

 Artificial Intelligence at Utrecht University
118 members  Manage

 Start a conversation with your group

Enter a conversation title...

Conversations Jobs

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<https://www.linkedin.com/groups/13518046/>
(state clearly in your profile that you are an AI student in Utrecht)

Plug: MS teams environment HAI