

Teaching HCI for AI: Co-design of a Syllabus

From Artificial Intelligence to Humanistic Intelligence and then Extended Intelligence

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Università degli Studi di Milano-Bicocca

Anywhere on Earth, the 7th of July, 2020



BACK TO THE FUTURE







Clifford Nass



Clarisse de Souza



David Woods



B.J. Fogg

A portrait of Clifford Nass, a man with glasses and a light-colored shirt, smiling. The image is darkened to serve as a background for the text.


CASA Theory

Clifford Nass

A portrait of Clarisse de Souza, a woman with curly hair, smiling. The image is darkened to serve as a background for the text.

Semiotic Engineering

Clarisse de Souza

A portrait of David Woods, a man with glasses, smiling. The image is darkened to serve as a background for the text.

Joint Cognitive Systems

David Woods

A portrait of B.J. Fogg, a man with short hair, smiling. The image is darkened to serve as a background for the text.

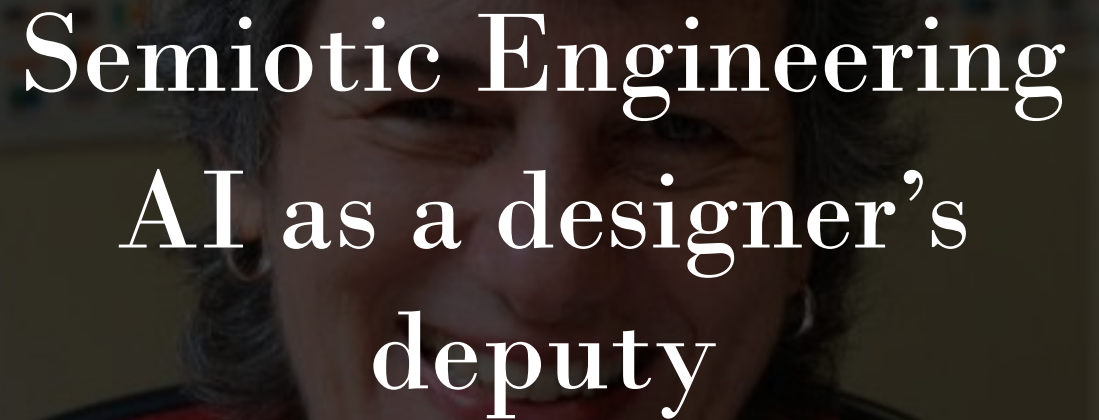
Captology

B.J. Fogg

A portrait of Clifford Nass, a man with glasses and a light-colored shirt, smiling slightly. The background is dark and slightly blurred.

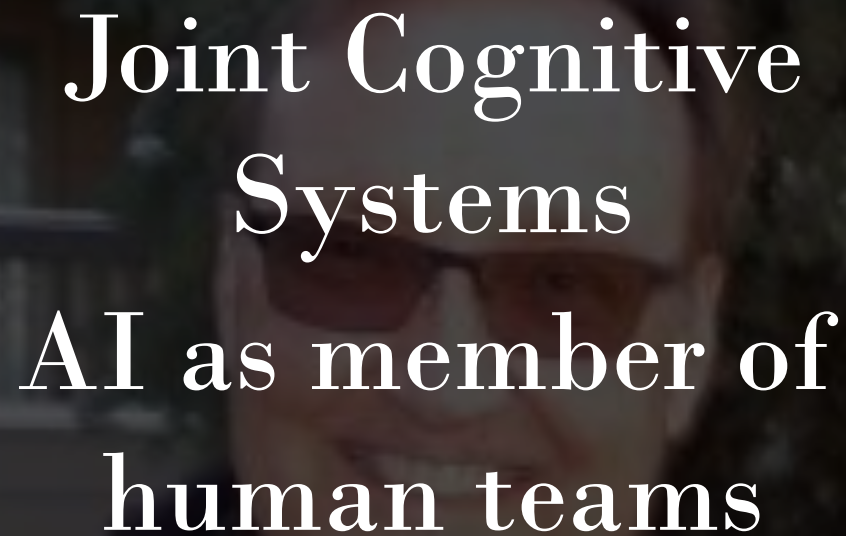
CASA Theory
AI as a Social Actor

Clifford Nass

A portrait of Clarisse de Souza, a woman with curly hair, smiling. The background is dark and slightly blurred.


Semiotic Engineering
**AI as a designer's
deputy**

Clarisse de Souza

A portrait of David Woods, a man with glasses, smiling. The background is dark and slightly blurred.

**Joint Cognitive
Systems**
**AI as member of
human teams**

David Woods

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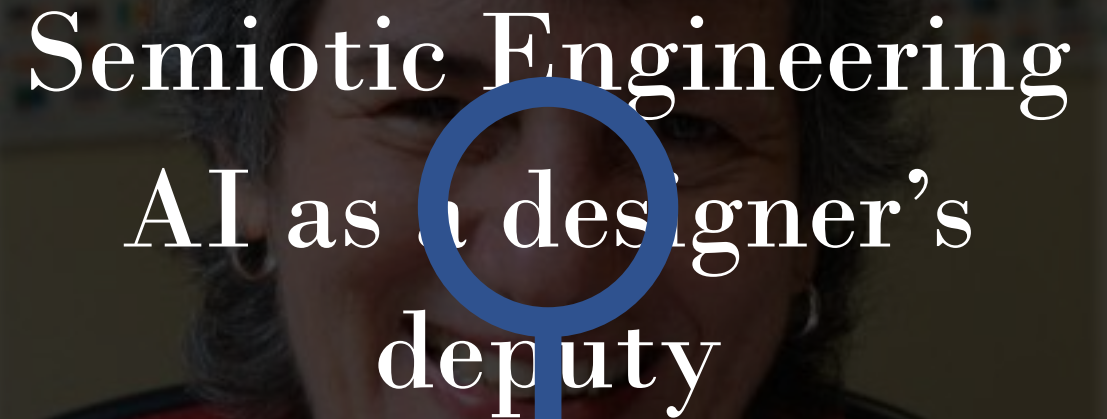
Captology
AI as persuasive tools

B.J. Fogg



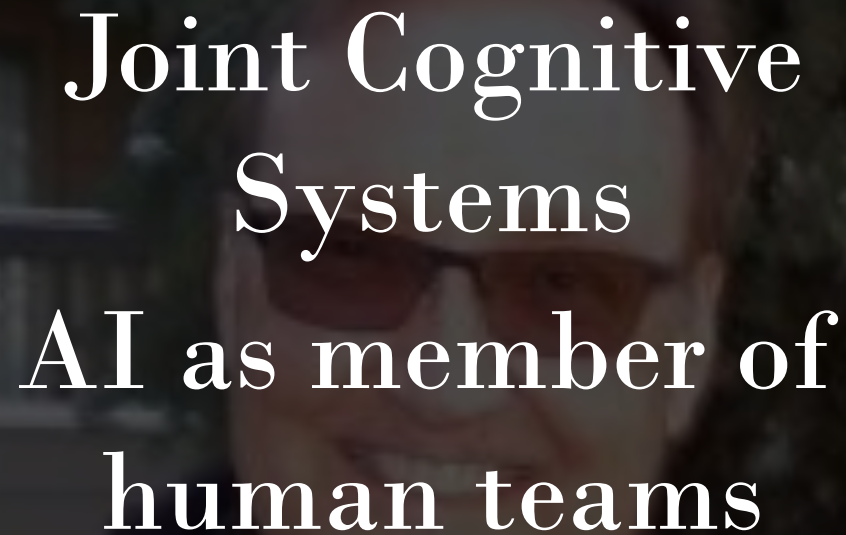
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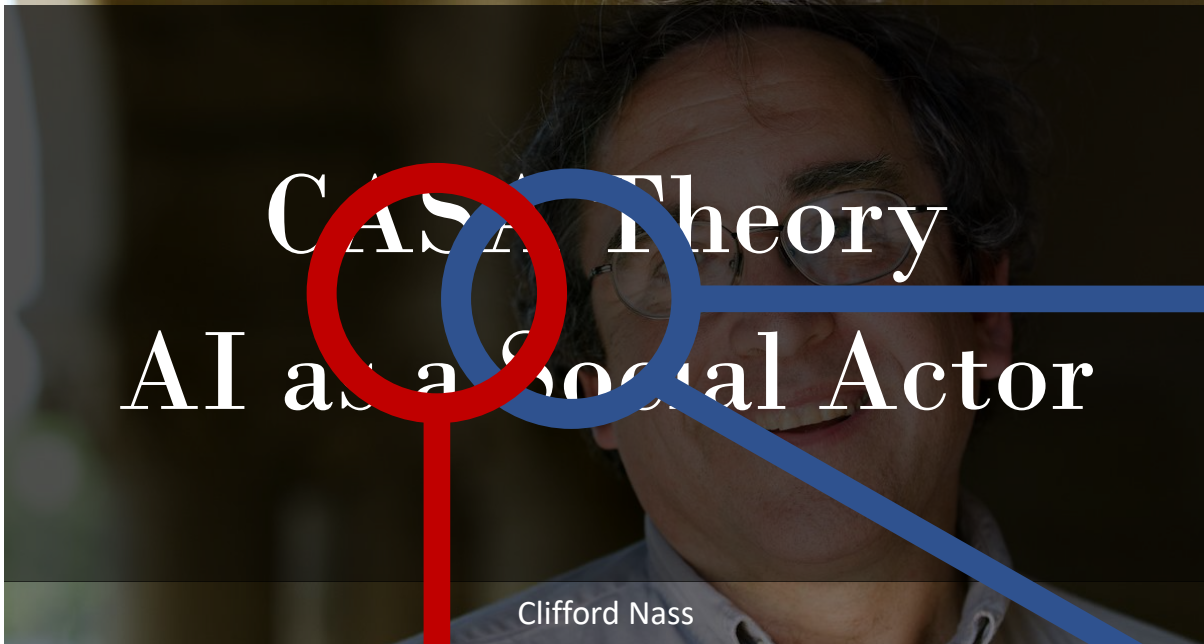
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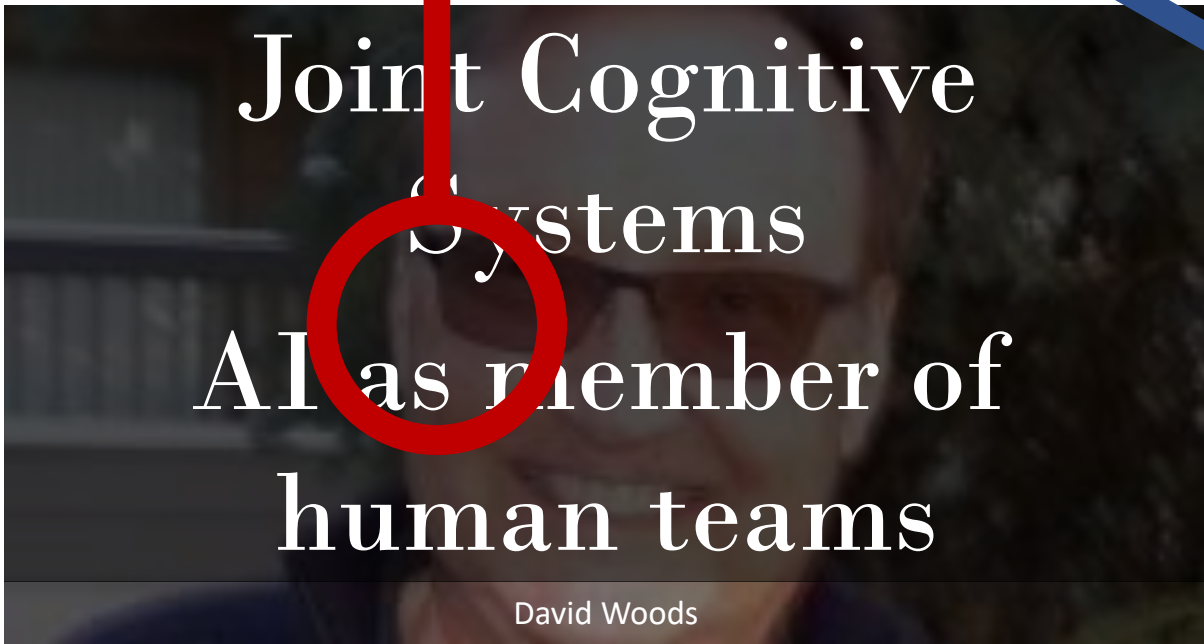
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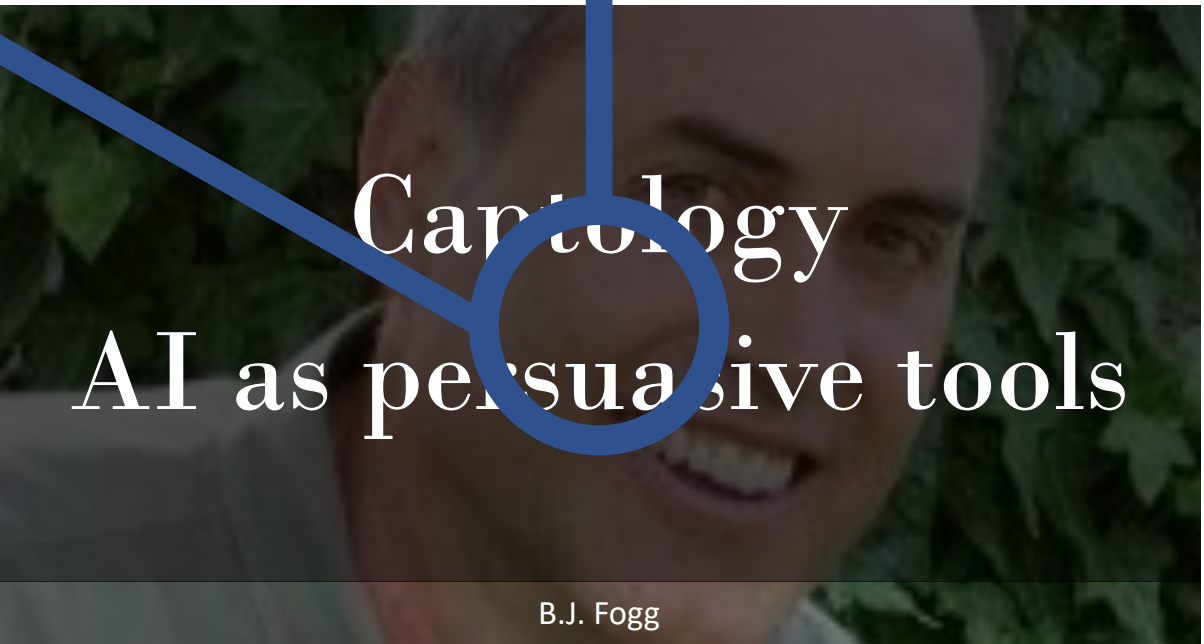
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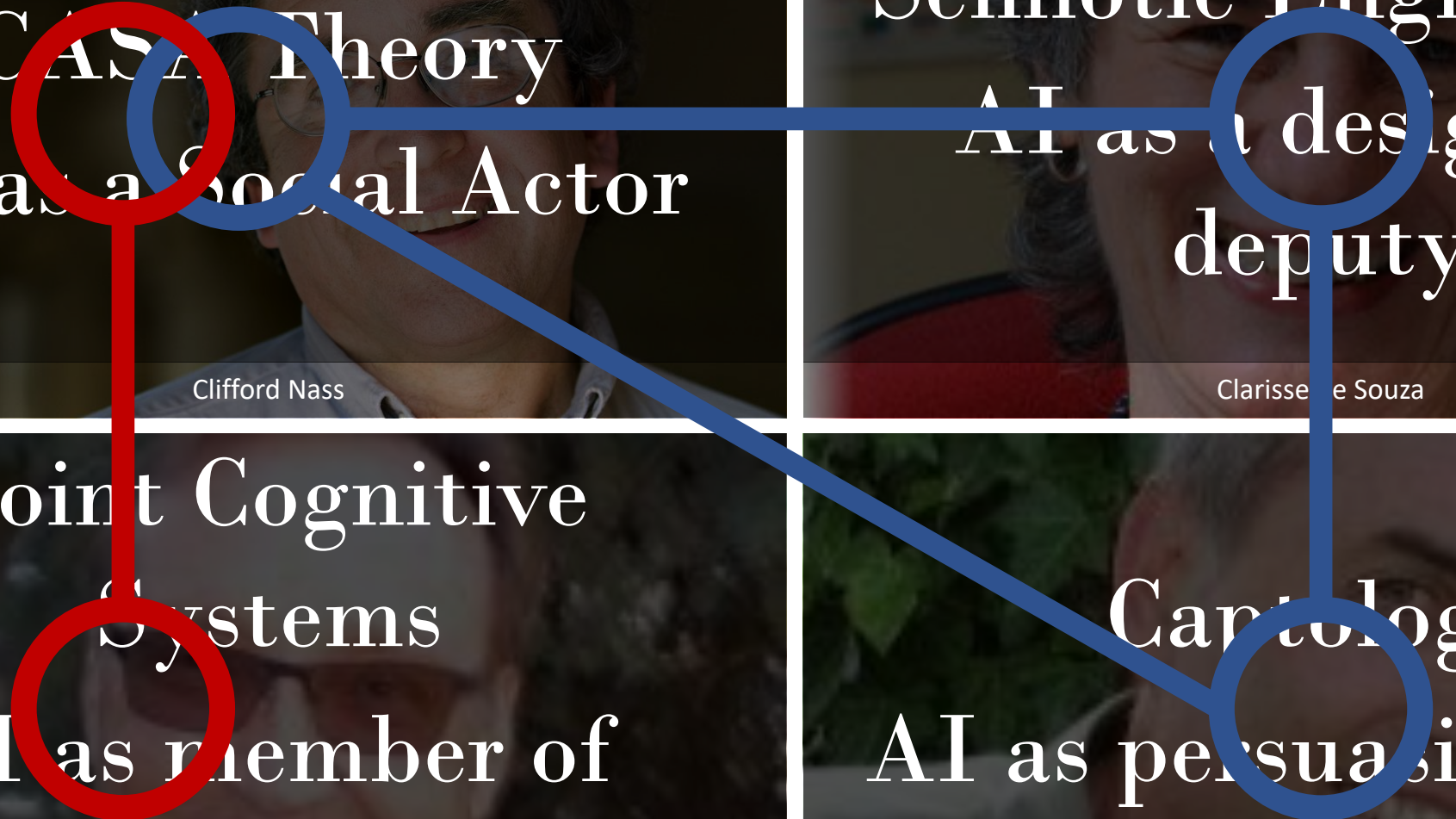
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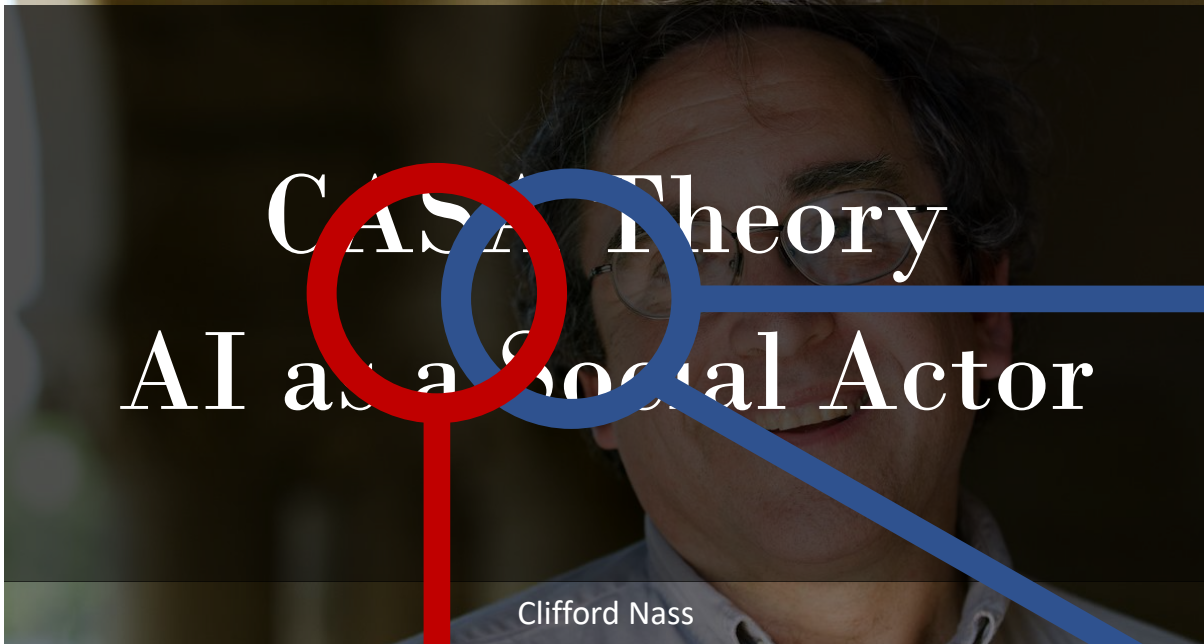


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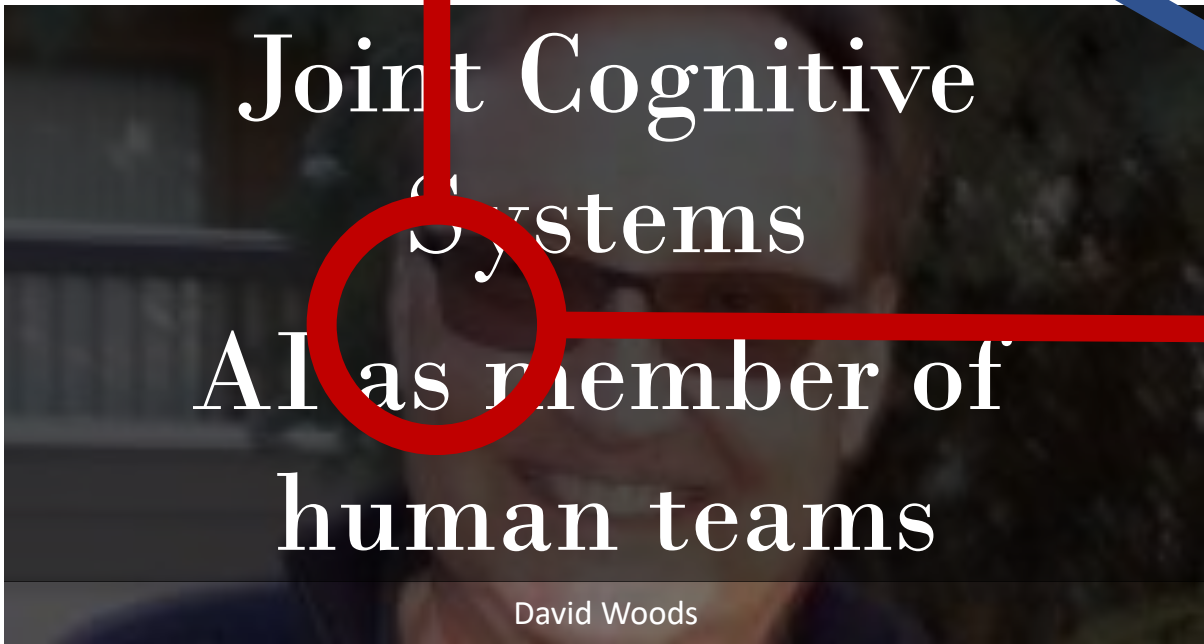
Clifford Nass

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AI as a designer's deputy



Clarisse e Souza

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AI as member of human teams

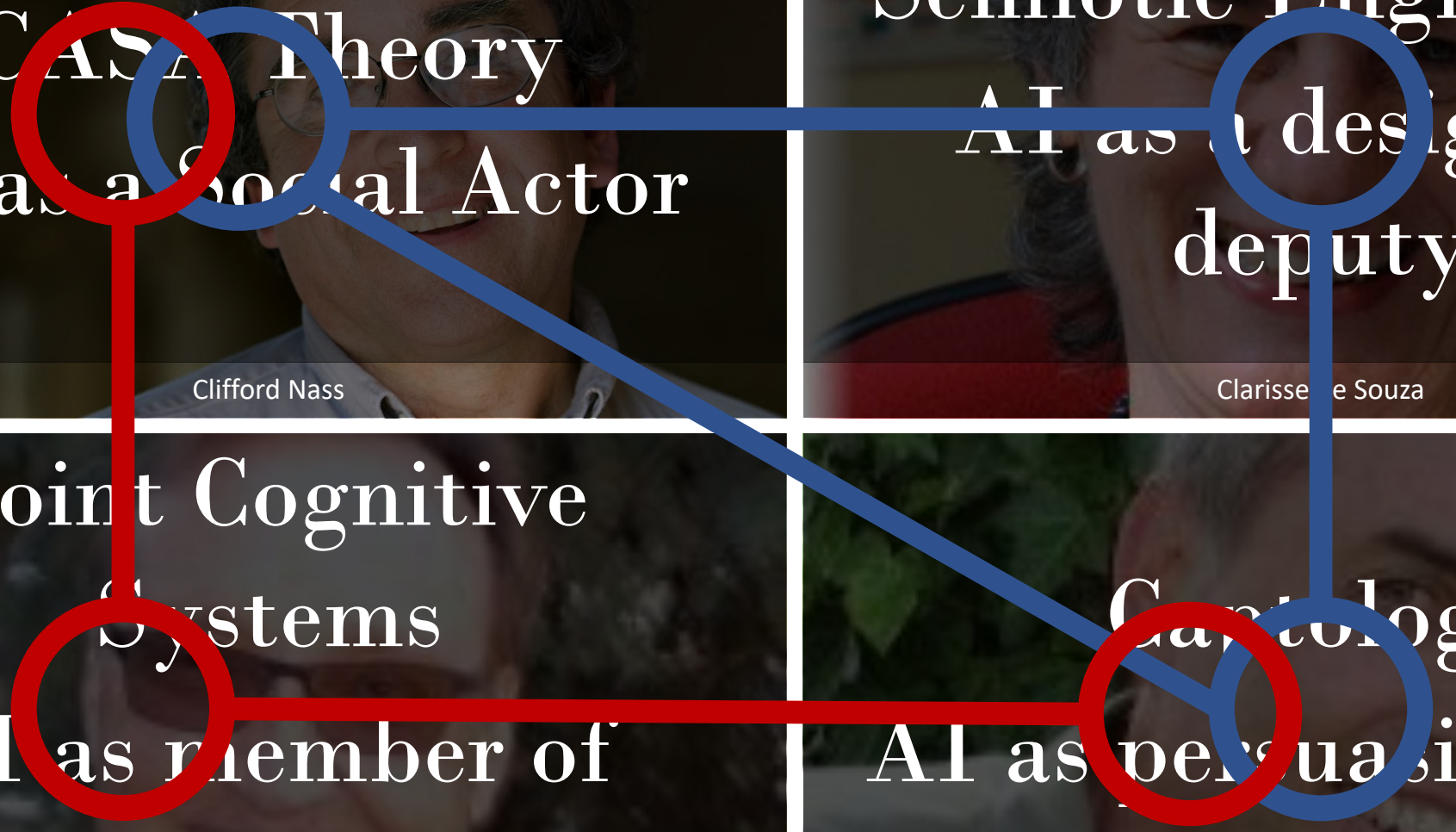


David Woods

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A man with a beard and mustache, wearing a dark suit, white shirt, and red tie, is looking directly at the camera. A large, black-outlined speech bubble is positioned above his head, containing the text "What do I mean?".

What do I mean?



We should also teach how to design interaction protocols where human and AI systems collaborate in *hybrid teams*.

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Computer-Supported
Cooperative Work

+

The Psychology of Groups

+

Cognitive Ergonomics

+

Naturalistic Decision Making

+

Crew Resource Management

+

...

Teaching (also) how to design
interaction protocols
where human and AI systems
collaborate in *hybrid teams*.

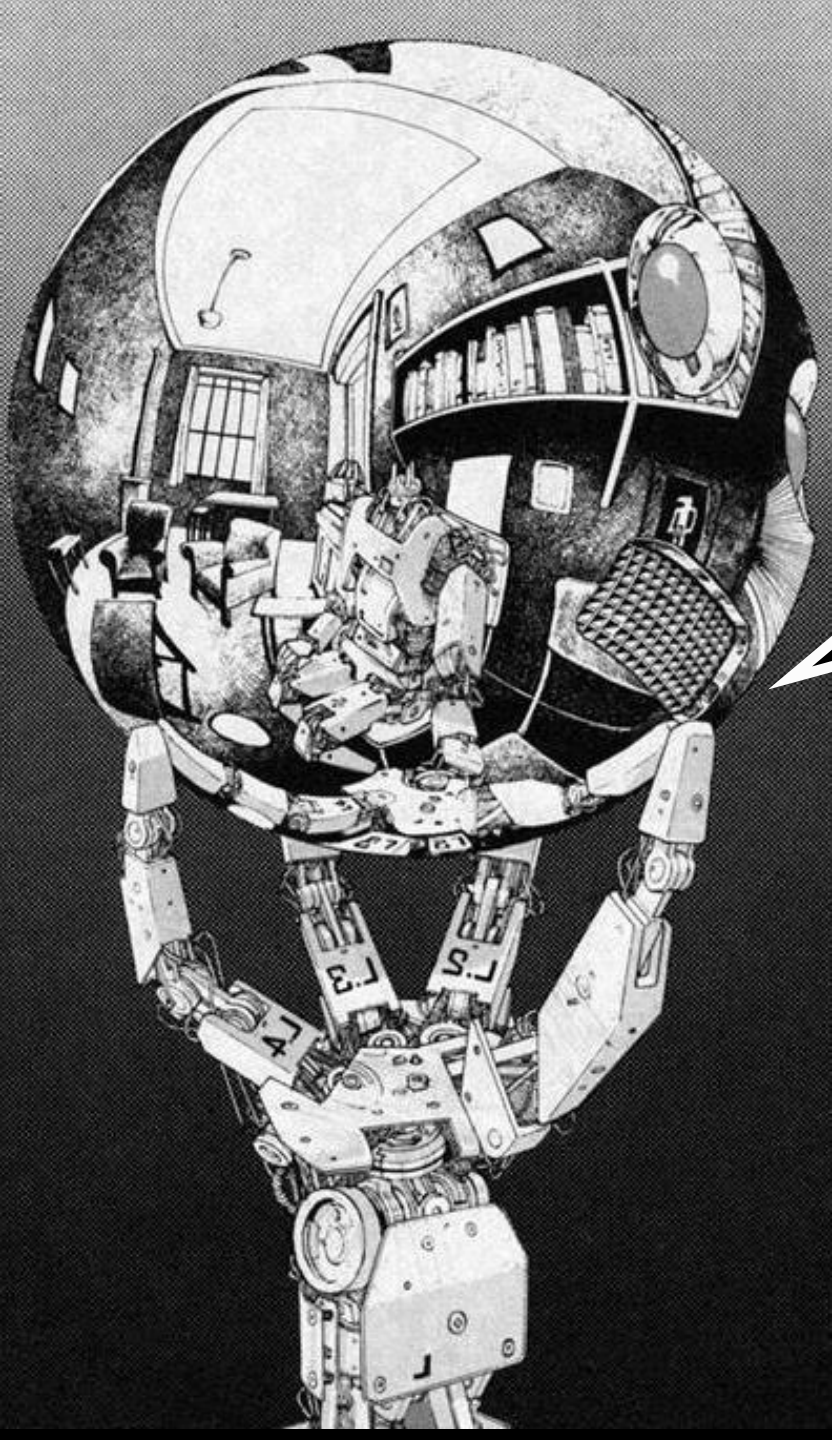
Wish me luck, 'cause in September I will be
teaching Human-AI Interaction to the students
of the PhD course in Computer Science at
Milano-Bicocca...



Crew Resource Management

+

...



THANX!



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[@cabitza](https://twitter.com/cabitza)