Microsoft Research
FacultySummit

FAPESP

LATAM Workshop
Redmond, USA, July 2011

FUTURE WORLD
2011 2031

Microsoft Research
FacultySummit

The JamSession Platform

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FUTURE/WORLD 2011 2031

JamSession

Why?

What?

How?

So what?

Why?

Why?

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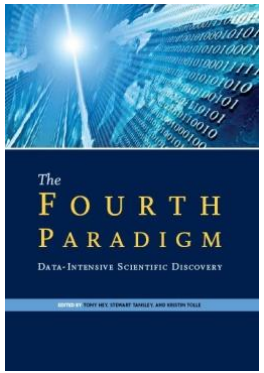
4th Paradigm:

information mediated interaction with reality



Why?

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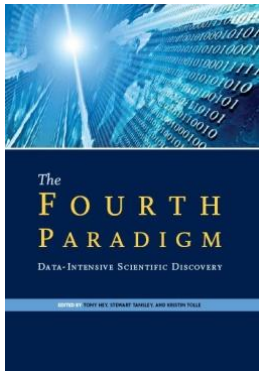

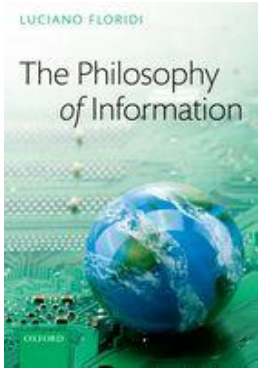

4th Revolution:

Information is transforming human interactions

Why?

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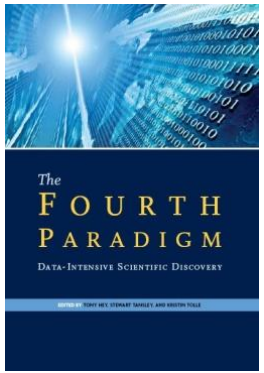
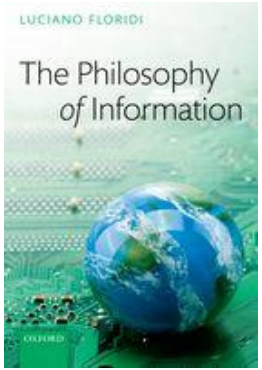
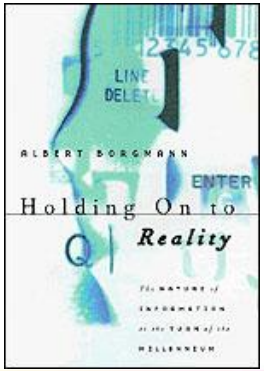
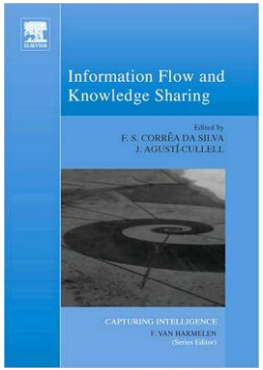
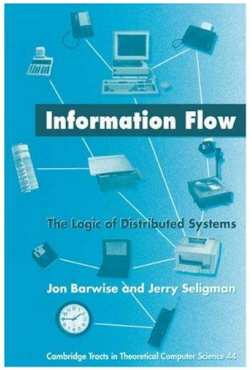




Information ***about/for/as*** reality







Technical: ***Information Flow***

Why?

Knowledge, Technology and Policy *v.23 (1-2), 2010 (Springer)*

European Conference on Philosophy of Computing *SPAIN 2009*

Why?

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Information Everywhere	*Information Everyware*	*Information for Everybody*
Windows Azure		

What?

What?

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General purpose platform for the coordination of distributed heterogeneous resources

- OpenKnowledge: http://www.openk.org/
- ALIVE: http://www.ist-alive.eu/

What?

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Easy to use

Lightweight

Cloud compliant

Formally verifiable

For everybody

JamSession

How?

How?

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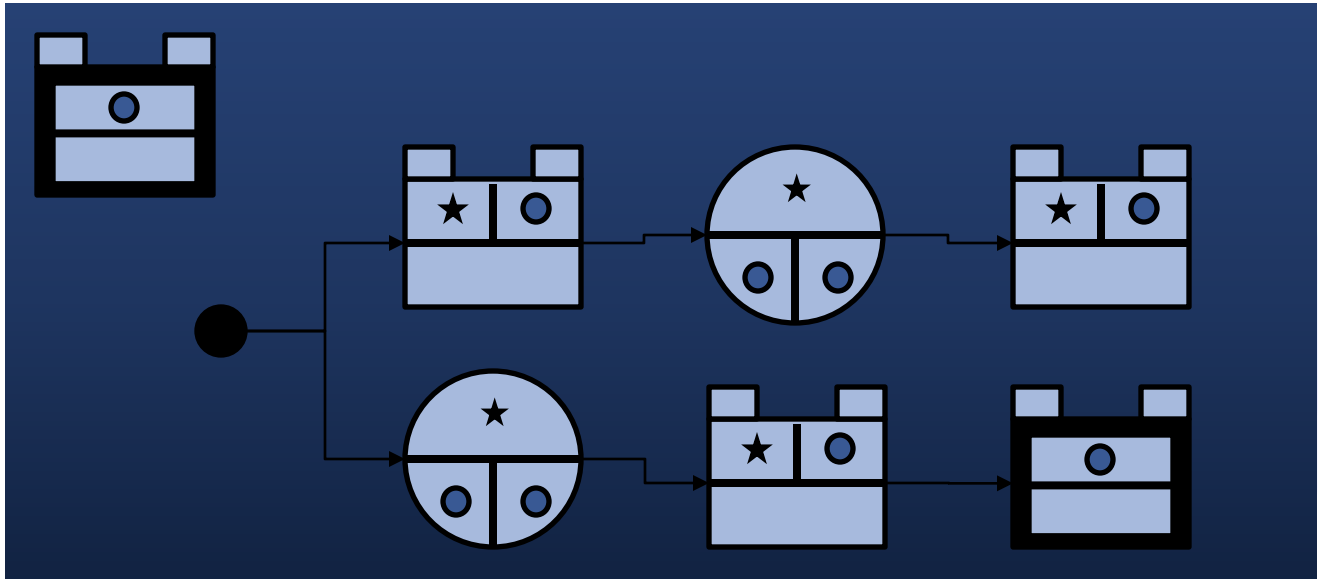
How?

JamSession



For everybody

How?

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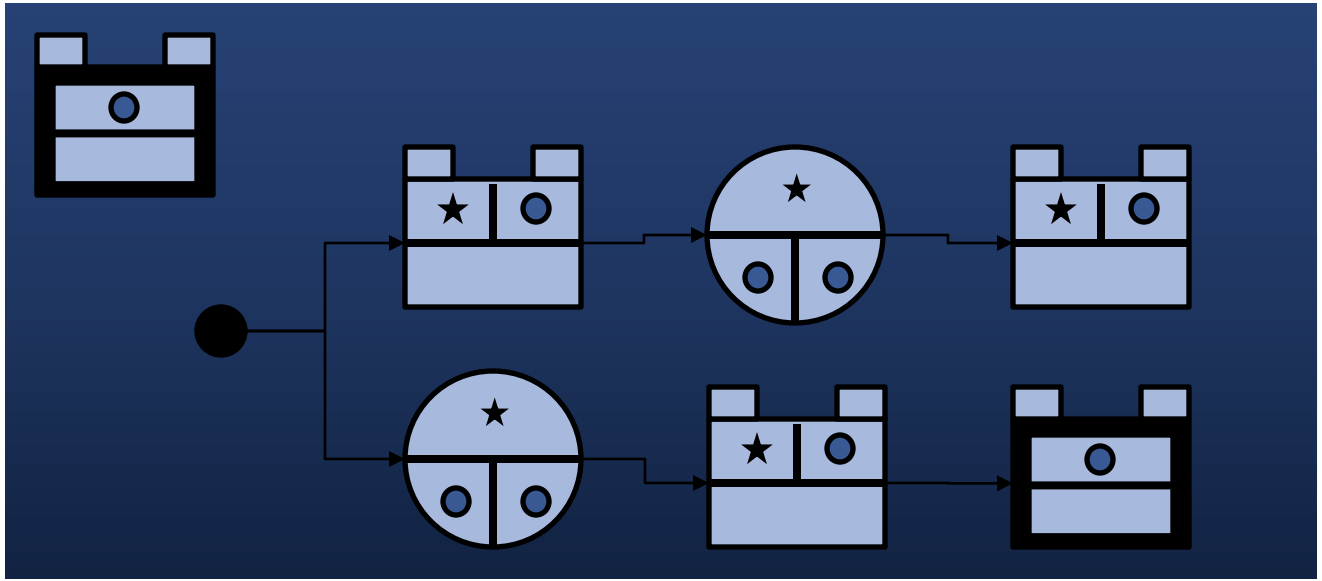
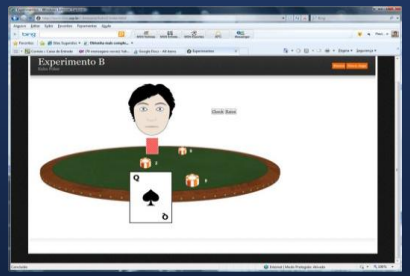


Affective synthetic agents

NUI



How?

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Knowledge and Information Systems Journal, *(accepted)*

Intelligent Virtual Agents *NETHERLANDS 2009*

Brazilian Symposium on AI *BRAZIL 2010*

Intl. Conf. Entertainment Computing *(accepted) CANADA 2011*

Book chapter *(forthcoming) Springer 2011*

How?

http://www.ime.usp.br/~fcs/LIDET/JamSession.zip

http://www.ime.usp.br/~fcs/LIDET/affective.zip

So what?

So what?

JamSession

Action-sensitive joke generator *(Aberdeen - UK)*

Teaching logical reasoning *(UNICAMP – Br)*

Tools for Teaching Logic, SPAIN 2011

Affective, gesture-sensitive receptionist

Electronic governance

Intl. Conf. on Electronic Governance, COLOMBIA 2009
Intl. Conf. on Ubi-media Computing, BRAZIL 2011

So what?

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Cross-organizational workflows *(Loughborough - UK)*

Ambient intelligence *(Aberdeen – UK)*

Emergency response *(Edinburgh – UK, Trento – It)*

Persuasive computing *(Aberdeen – UK)*

Multiplayer games *(Carnegie-Mellon – USA)*

Norm-aware mediators for policy regulation *(Aberdeen – UK)*

Thank you

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The JamSession Platform

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