

Entanglement Theories





Actor Network Theory | Postphenomenology | Agential Realism

Actor Network Theory



No social aspects

... of otherwise asocial things.

There is no magic, hidden social force. Everything **is** social.





Associations

Sociology is the only science »without object«

Rejecting a sociology of the social - towards a sociology of associations





People & Things

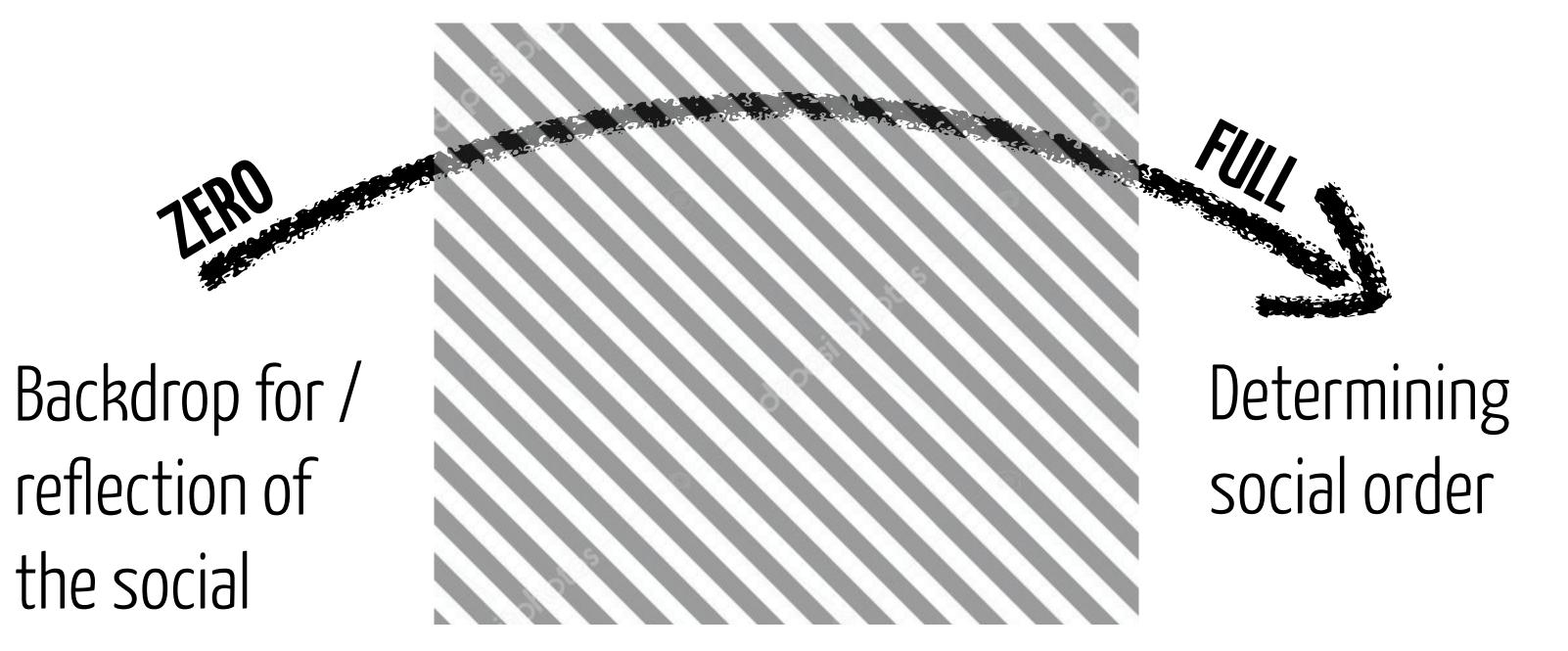
- a) things are a mere backdrop for the social stage
- b) things reflect social structures (critical sociology)
- c) things determine social relations (Marx)
- »many **metaphysical shades** between full causality and sheer inexistence«



Actor Network Theory



People & Things





Actor Network Theory

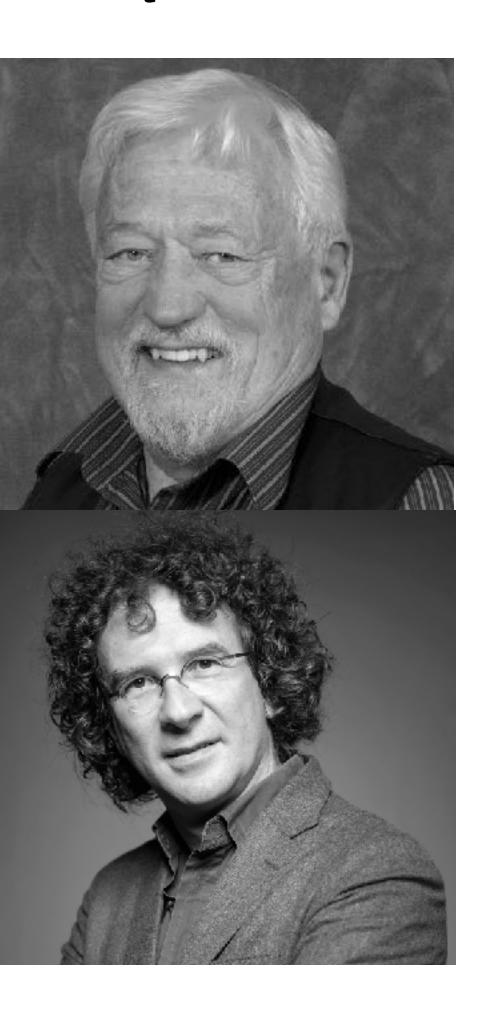


Actors & Networks

- a) Humans and Non-humans are ontologically inseparable from the start actors
- b) Actors are organised in a **networky style**
- c) Agency is a **network effect** ... and things enact agency too.



Postphenomenology



Mediation

Embodied Relations

Hermeneutic Relations

Alterity Relations

Fusion Relation

Immersion Relation

Augmented Relation

(I-Technology)-World

I - (Technology-World)

I - Technology - (-World)

(I/Technology) - World

I <> Technology/World

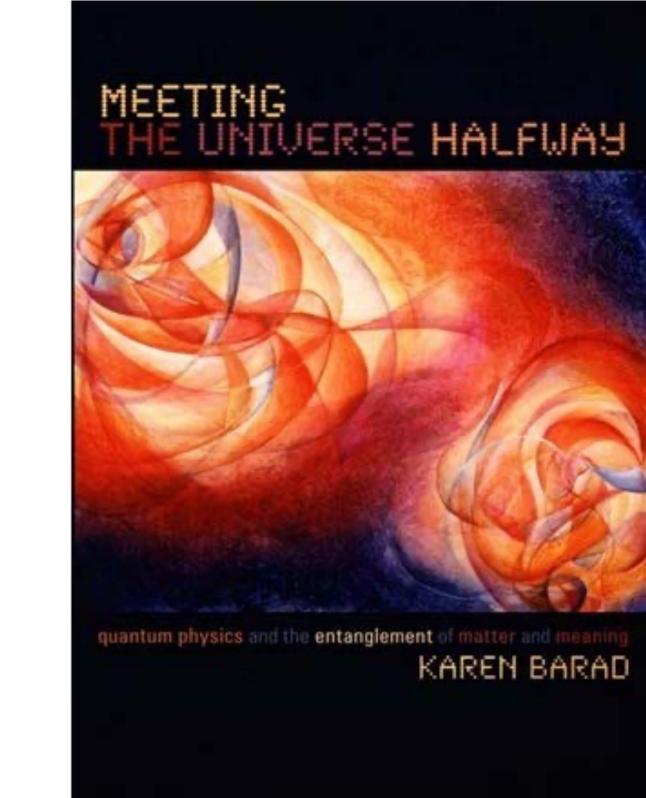


Agential Realism



Bohr & Butler

Combines the epistemology of Niels Bohr with the concept of **performativity** of Judith Butler





Agential Realism



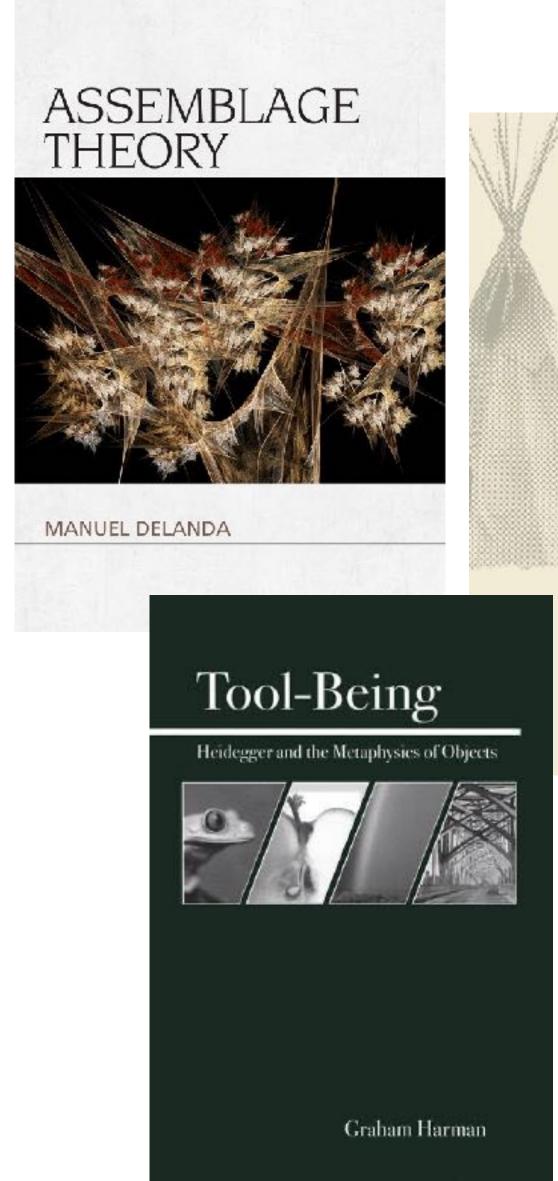
Intra-Action

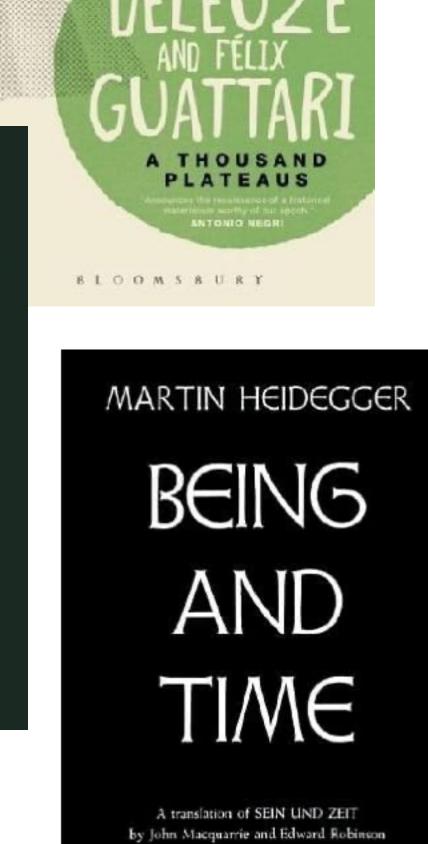
Agency is the result of the intra-action between humans and matter.

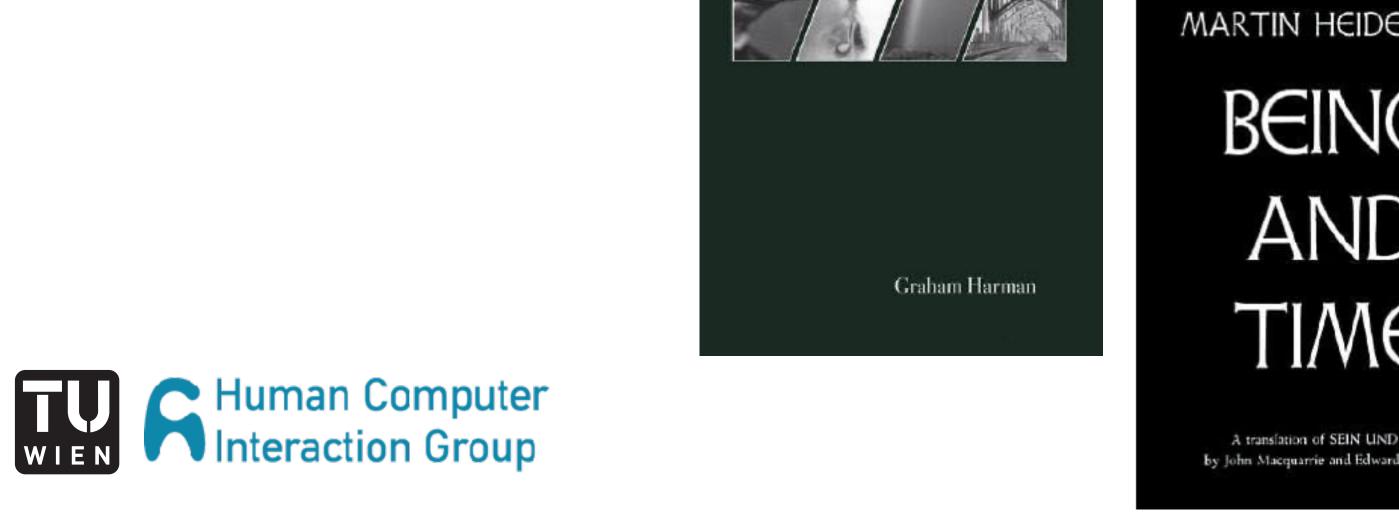
Humans and matter in fact are **mutually constituted** by this intra-action.

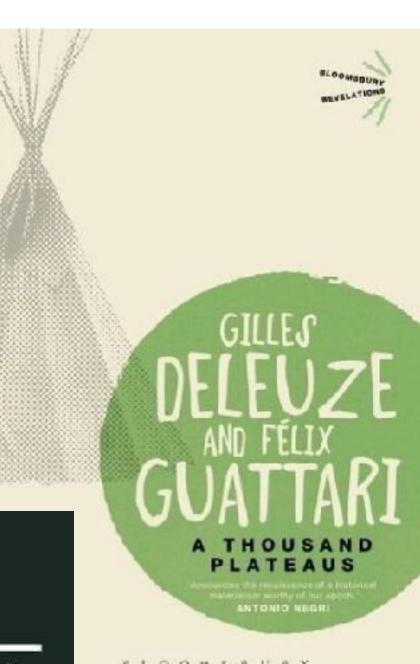


Many more...







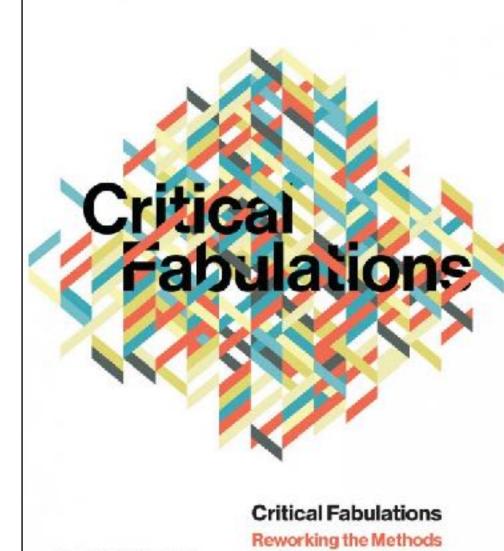




The Materiality of Interaction

Notes on the Materials of Interaction Design





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ond Heather Wiltse

Daniela K. Rosner and Margins of Design

Implications

We cannot just design things, we always (re-)configure networks of associations in which agency is enacted over time. Humans and technology are ontologically entangled, they are mutually constitutive.



Who we are

We are not designing things or interactions, we **(re-)configure** networks of associations which enact phenomena - situated & fluid, but not random.



Humans and technology are ontologically entangled, they are **mutually constitutive**. Who we are is shaped by the tools we create for us.

Many Ways of Knowing

Knowledge production is a materially discursive practice of understanding enacted **phenomena** and identifying causal relationships in **configurations**.

The problem with intermediary knowledge...

Rigour is careful engagement with configurations and differences.



Ethics & Responsibility

In **tracing** the associations through the **disclosive analysis** of phenomena and by making the agential cuts **visible**, our responsibility in re-configuring the socio-technical assemblages that make up our lives becomes clear. Our choices matter, quite literally.



Does the technology we design make us **who we want to be**? Moving beyond anthropocentrism.

Designing, Making, Mattering

Beyond users and user-centred design, towards designing for all actors

Meaningful Design encompasses the political mattering of things through which we make sense of us in the world

Participatory Speculation and mattering of future sociotechnical configurations



Conclusion

An ethico-onto-epistemological perspective

Is it a new wave?



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