

Compex unknown mobilities: Kinotopias & social epistemology

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> Joanneum Zukunftskonferenz 1 March, Graz

Nora



Generation Z



Context Ulrich Beck



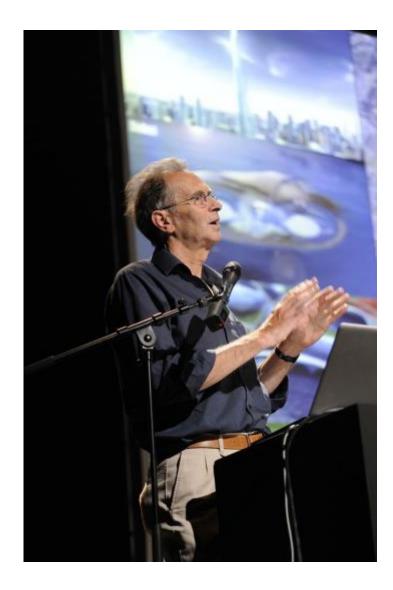


The future of automobility

How	would	I know?

- Is it a technology fix issue?
- ► Is it a policy issue?
- ► Is it an ethical issue?
- ► Is it a mobility issue?
- Automobility ++
 - Urban spaces
 - Connectivity
 - Persuasiveness
 - Sustainability
 - Design
 - ► IoT
 - Smart cities
 -





Complex(ity)

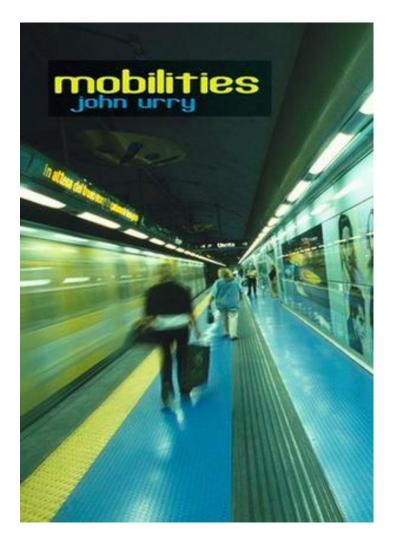
- Contingent openness
- Multiple futures
- Unpredictability of outcomes
- Diverse & non-linear changes
- Ability of adaptation and coevolution
- Irreducability to elementary laws and simple processes



Unknown

- The 'unknown' elevated to the mainstream
- Risk society not limited to environmental and health risks alone
 - shifting employment patterns
 - heightened job insecurity
 - declining influence of tradition and custom
 - erosion of traditional family patterns
 - democratization of personal relations.

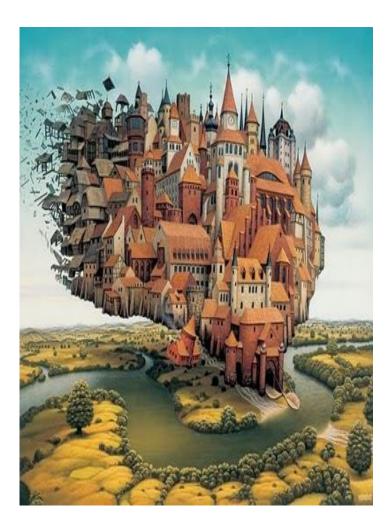




Mobilities

- The "End of Sedantrism"
 - ► Stability
 - Meaning
 - ► Place
- The age of fluidity (movement of everything)
 - Corporeal travel
 - Physical movement of objects
 - Imaginative travel
 - Virtual travel
 - Communicative travel

Context Foucault/'Of other places



Kinotopia(s)

- Complex-unknown-mobilities: a new form of Foucauldian Heterotopias
- N-dimensional instances of space/time created by the complexity of networks, links, exchanges, and connections
- Multiplicity of both being in space and moving through it
- Spatial fluidity



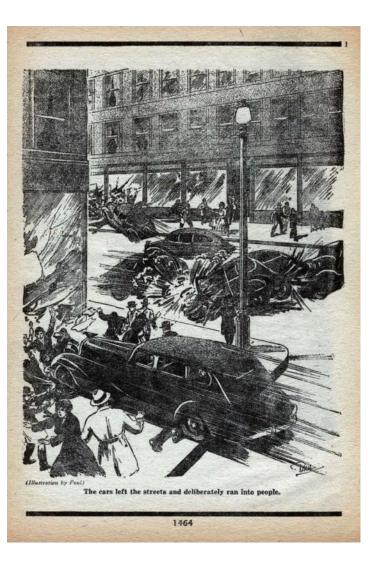


Examples of kinotopias

- Mobile devices
- Wearables
- Biotech sensors and instruments
- Autonomous vehicles

►





Autonomous cars

- Utopias or kinotopias
- Science fiction:
 - 1930s: David H. Keller: *The Living Machine*, 1935
 - 1950s: Asimov: Sally, 1953
 - 1970s: Arthur C. Clarke: Imperial Earth, 1976

Mapping the territory





Kinotopias: an autonomous world



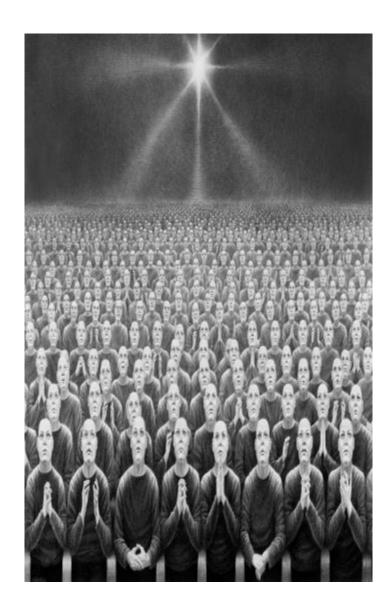




SCANIA



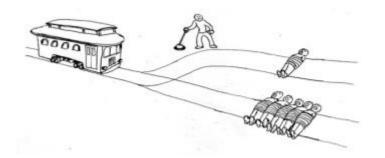
What the future brings (or not)



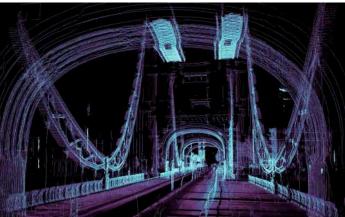
Hopes and fears

- Less (or no) accidents
- Increased accessibility
- Better time utilization
- Increased personal wellbeing
- urban space
- Increased environmental sustainability

- Lost jobs
- Increased dependence on technology
- Increased inequality
- Creation of three tier societies
- Better utilization of **b** Loss of traditional social structures
 - Loss of privacy
 - Reduced "free time"







Current challenges

Social:

- Trolley problem (ethics)
- MaaS/PT solutions (business)
- Public policy
 - Vienna Convention
 - Accessibility levels
- ► Tech:
 - High-resolution mapping vs improved vision systems
 - Scaling up LIDAR scanner solutions





Future challenges

- PTs & MaaS
 - How will public and private transportation coexist?
- Urban infrastructure
 - How will AM impact our shared spaces?
 - How to plan our UI for the unknown?
- Politics of Research and Innovation
 - How will technology shape our future(s)?



Political challenges

- Politics of epistemology
 - Who knows what?
 - Participation & citizens engagement
 - Who controls what?
 - Technology/industry push vs. ?
- Politics of the spatial
 - Who designs what?
 - How to design for the unknown?
 - Who inhabits what?
 - How to plan for 'the brave new world'
- Politics of technology
 - ► Is there still a private and public?





Why is this important?

- Technology fix is not enough
 - New social/civic epistemology
 - Responsible Research and Innovation
 - Democratic cooperation
 - Stakeholder engagement



Thank you!

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