

UiT

iBorder: Bringing STS into Border Research

IS4IS: The Information Society at the Crossroads
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Borders Beyond Territory and the State

- Bordering: top-down and bottom-up (van Houtum, Perkins, Rumford, Brambilla)
 - Dislocating borders: zones, folds, and ubiquity (Popescu, Vaughan-Williams, Walters)
 - Borders become globally dispersed regimes of security and control (Vukov/Sheller, Rajaram/Grundy-Warr)
 - Privatizing borders (Bigo, Lyon)
- ICTs afford new practices of bordering that further enhance these developments (Amoore, de Goede)

Bordering Bodies, Networks, and Machines

- Biometrics: Bordering Bodies
- Dataveillance: Bordering Networks
- Automation: Bordering Machines



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Bordering Bodies - Biometrics

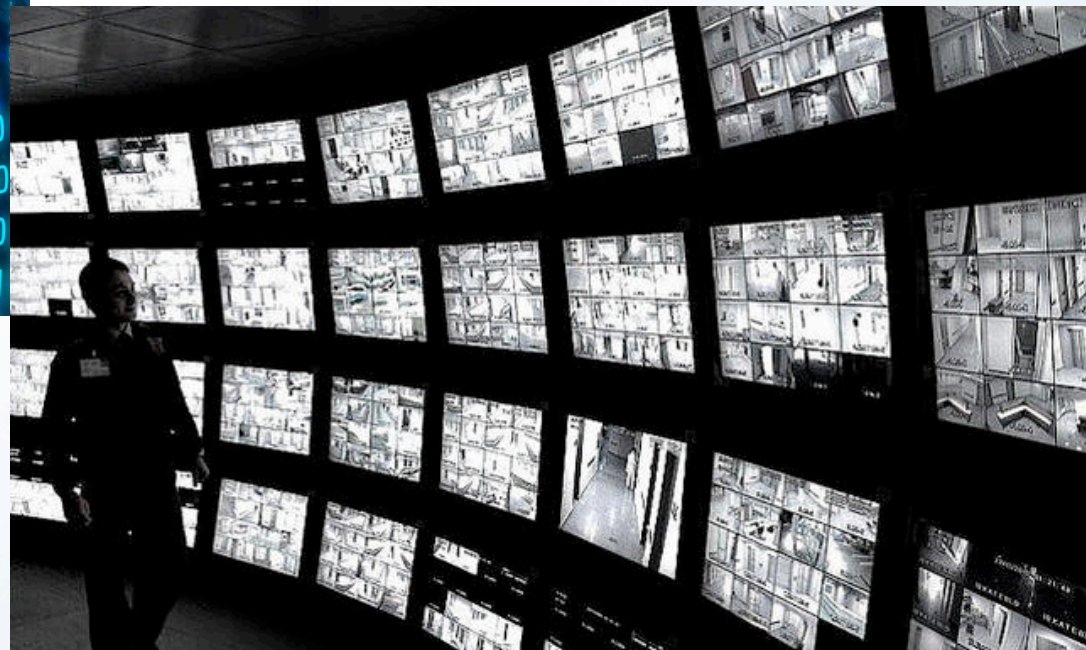


Biometrics: Bordering Bodies

- Verification of identities:
 - Face, iris, fingerprints (body)
 - Voice, keystroke patterns, gait recognition (behaviour)
 - RFID-equipped biometric passports
 - Body as static proof of identity
- Establishing of identities:
 - Additional data on people's lives, networks, preferences
 - Interoperable databases (Eudac, SISII, NEXUS)
 - Body \leftrightarrow data doubles (Deleuze, Muller)
 - Body as in-formation (Adey): malleability implies necessity for constant control

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Bordering Networks - Dataveillance



Dataveillance: Bordering Networks

- Individuation → biometrics
- Massification → dataveillance
- Data acquired through increasingly ubiquitous, networked devices with ever more evasive interfaces
- Predictive analytics on basis of population-level sets of connection and movement data (NSA: boundless informant, co-traveller,...; GCHQ: Tempora, ...)
- Pre-emptive securitization of certain abstracted (non-normative) patterns of life (Pugliese, Ajana)

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Bordering Machines - Automation



Automation: Bordering Machines

- Big data analytics replaces interpretation of singular cases in context with automated form of abstracted pattern recognition (Andrejevic, Morozov, Steiner, Chamayou)
- Automated assessments increasingly inform human decision-making cycle
- Anticipatory governance: upstream profiling, signature strikes, tiered border

Bordering Technologies: Toward an Understanding of iBorder

- iBorder technologies...
 - Informationalize the body
 - Individualize the border
 - Implicate subjects in the bordering process in new ways
 - Infringe upon individual rights
 - Intimidate the public
- iBorder as ephemeral aura that attaches itself to individual bodies
- dispersed and ubiquitous, embodied border

Bordering Technologies: Toward an Understanding of iBorder

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Biometrics

Physical biometrics

Behavioural biometrics

Remote scanning

Biometric & RFID-equipped passports/ID cards

Inter-operational databases

Bordering bodies

Dataveillance

Network ubiquity

Data mining

PRISM (XKeyscore, Boundless Informant, Co-Traveller, ...)

TAO (Cottonmouth, MONTANA, ...)

DPI

Bordering networks

Automation

Predictive analytics

Responsive technical environments

Robotics: Drones, border bots, spyware

Patterns of life analysis (signature strikes, upstream profiling)

Bordering machines

From iBorder to iBordering: Errors, Contingencies, Resistances

However: ambitions of comprehensive surveillance and control must be separated from often messy realities of day-to-day implementation

- Errors, fissures, resistances
- Ambiguous and contradictory standards and procedures (Walters)
- Errors and counterpractices (Tsianos/Kustner)
- Tech-savvy resistances (Vukov/Sheller, Greenwald/Scahill)
- Co-constitution of categories allegedly merely processed by iBorder (Raley, Deleuze)

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