Forking, Scratching und Re-Merging

Kei Ishii, Bernd Lutterbeck, Frank Pallas

Greifswald, 5. März 2008

Technische Universität Berlin

Forschungsberichte
der Fakultät IV – Elektrotechnik und Informatik

Forking, Scratching und Re-Merging

Kei Ishii, Bernd Lutterbeck, Frank Pallas

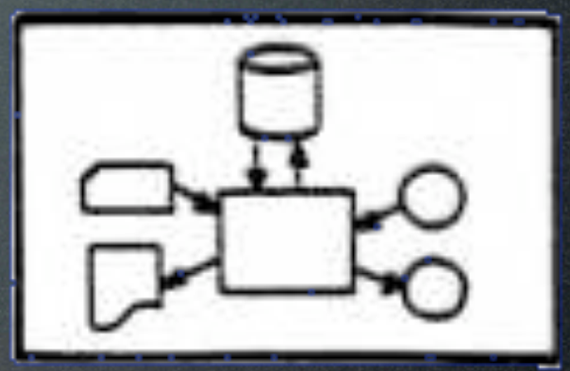
Bericht-Nr. 2008 - 4

ISSN 1436 - 9915

DV

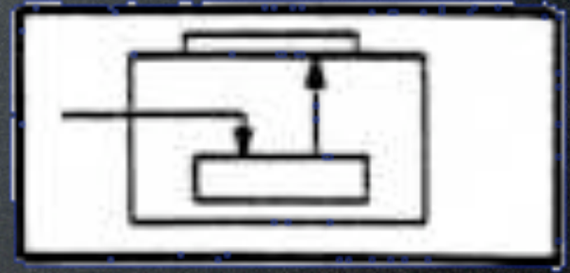
SCHNELL
UMFASSEND

ELEKTRO-
NIK



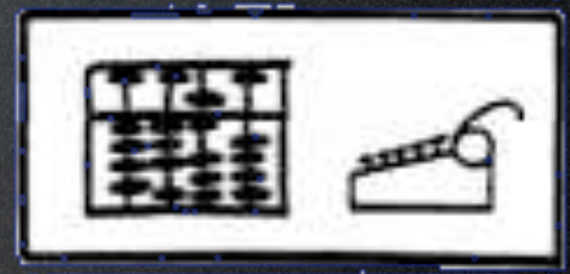
SELBSTÄNDIG

AUTOMAT



MECHANISIEREN

RECHEN-
HILFEN

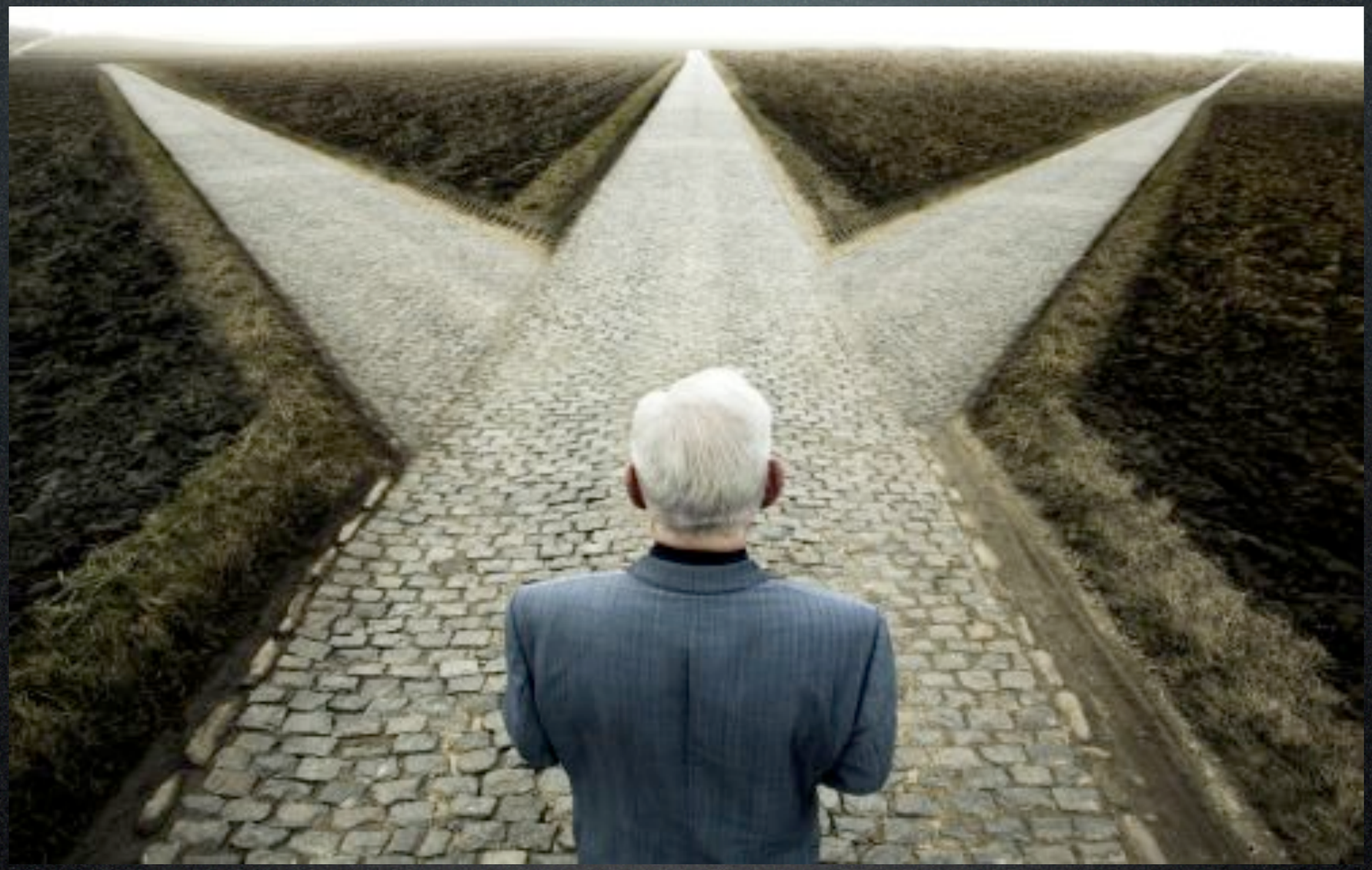


QUANTIFIZIEREN

ZAHLEN-
SYSTEME

MDCLXVI
012345

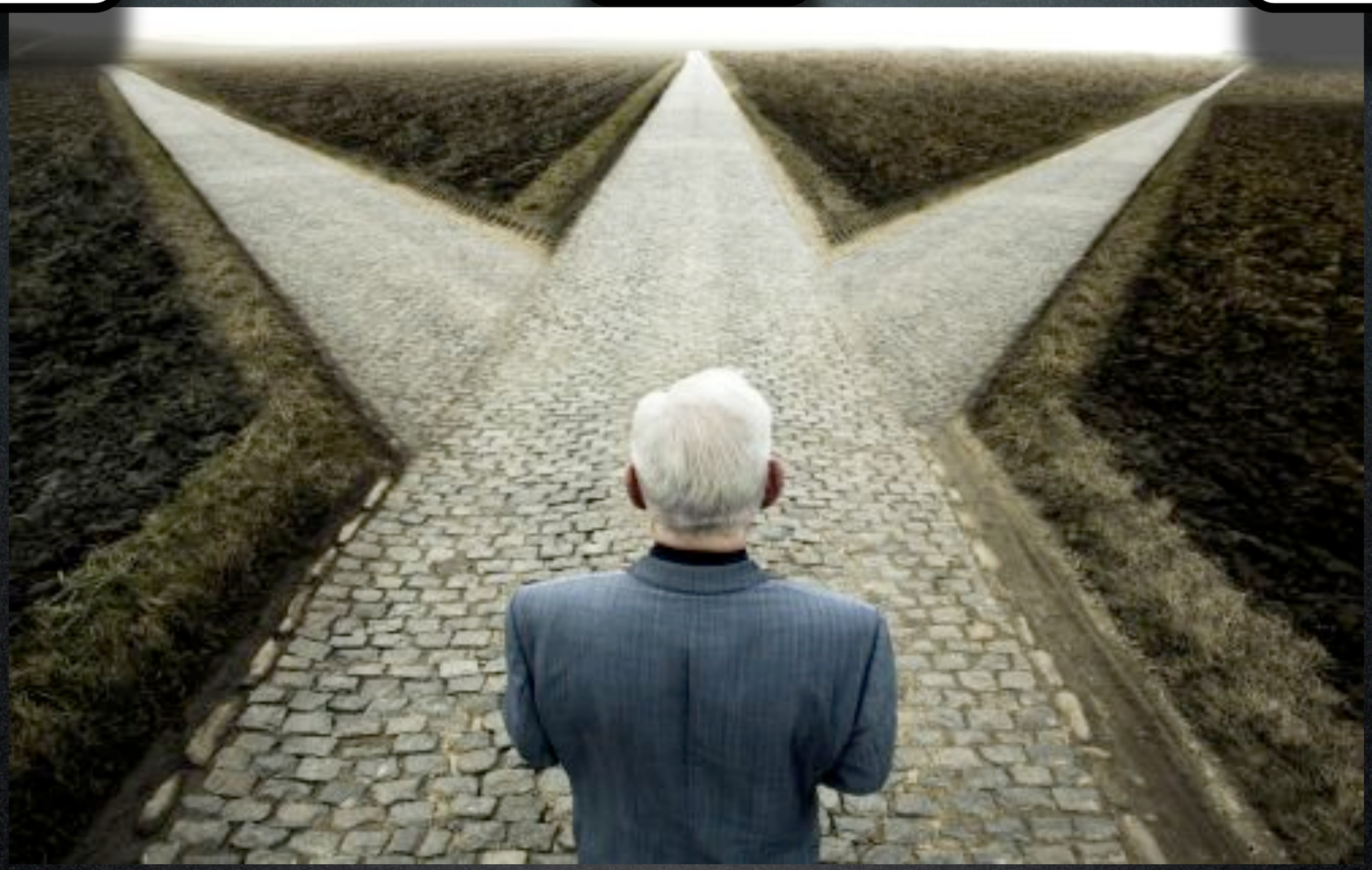
RI
=
R→I
R←I



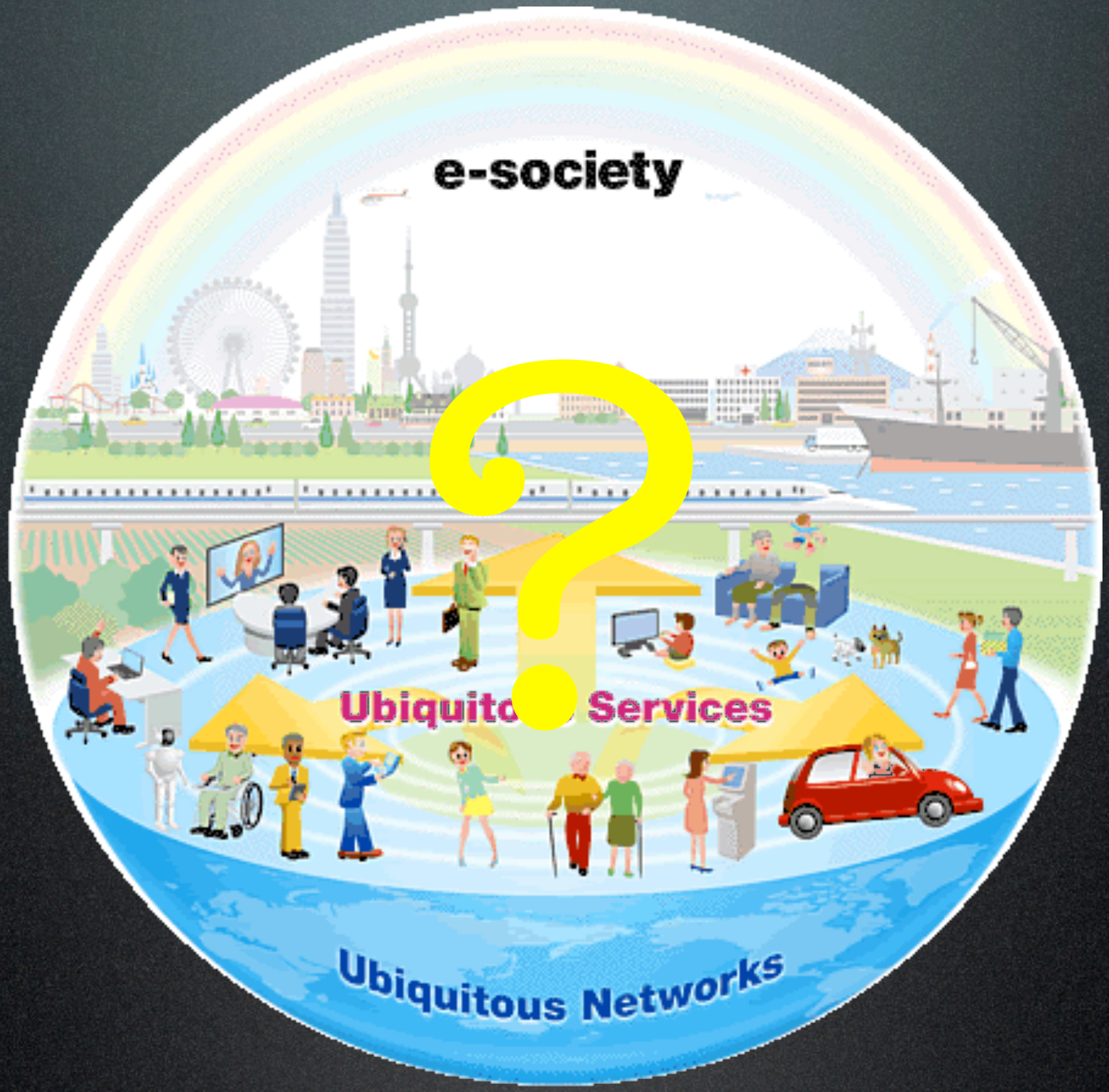
R→I

RI
=
R→I
R←I

I→R



Forking


e-society
Ubiquitous Services
Ubiquitous Networks

I→R

«to think about software differently»

«the shift is from chips to clicks»

Computer Science

Computability
De-centralised Information Systems
Semantic Web
Process Calculus...

Mathematics

Theory of Graphs
Networks
Statistics
Game Theory...

Web Engineering

Protocols
Architectures
Accessibility
Security
Resilience...

Artificial Intelligence

Knowledge Representation
Languages
Inference
Bayesian Methods
Agent Based Computing...

Economics

Theory of Markets
Macro and Micro economics
Auction models
Types of capital...

Law

Intellectual Property
EU/regulatory drivers
Public engage vs indifferent
Corporate social responsibility...

Psychology

Social attitudes
Cognitive properties
Human Information Processing
Experimental Methods...

Socio-cultural

Values, attitudes and lifestyles: fast trends
Anti-corporate
'Open source' values
New trust matrix: NGOs
Ethical consumers
Demography

Biology

Evolutionary dynamics
Systems biology
Plasticity...

Sociology

Social attitudes
Theory of groups
Social networks
Plume Tracing...

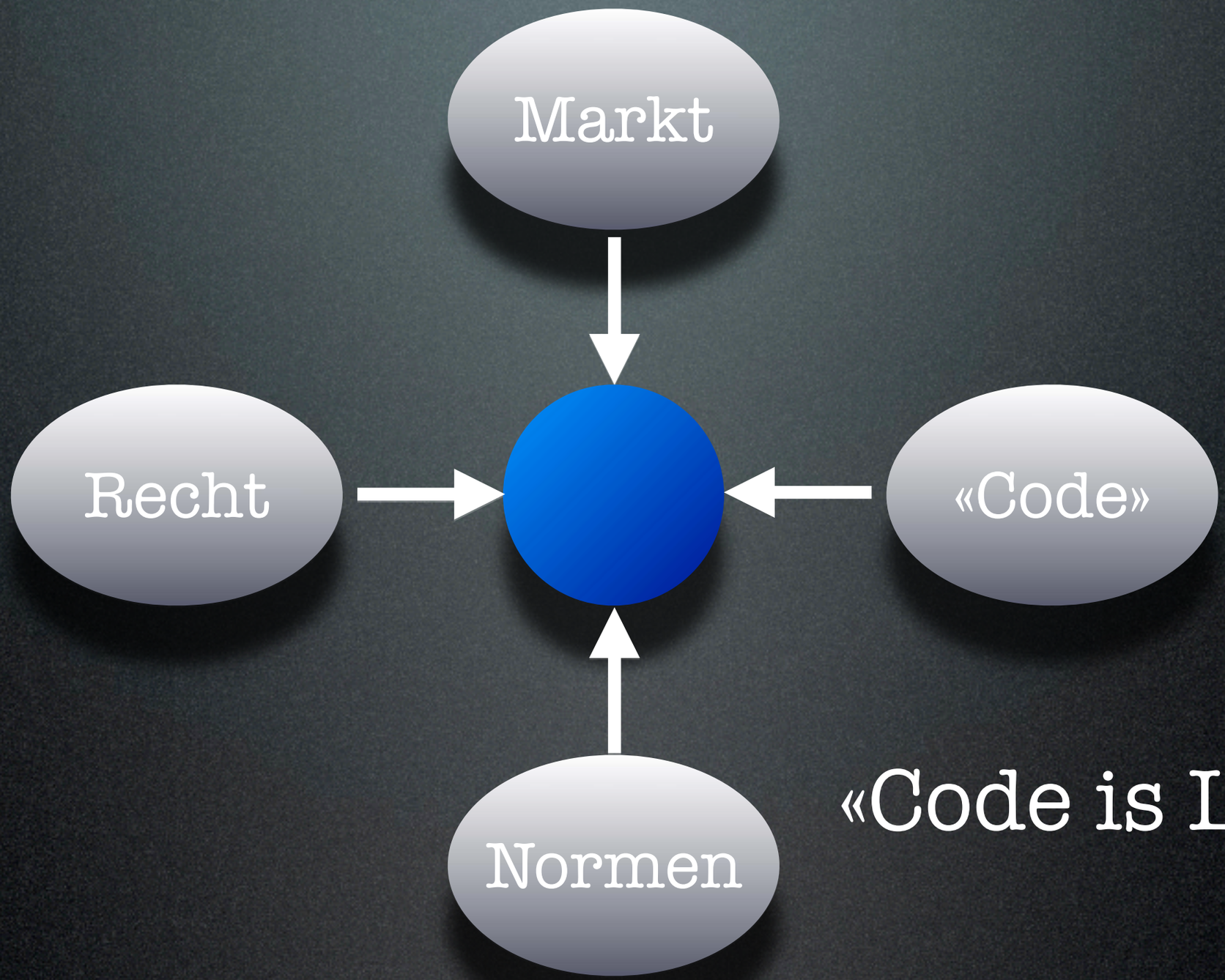
Media

Fragmented public media and discourse
Single issue moral panics
Smart mobs
Mobile opinion formers...

Ecology

Structure of ecosystems
Ecosystem Productivity
Population Dynamics
Digital Biosphere...

Colliding Web Sciences



«Code is Law»

Every good work of software starts by scratching a developer's personal itch.

Internet Relay Chat

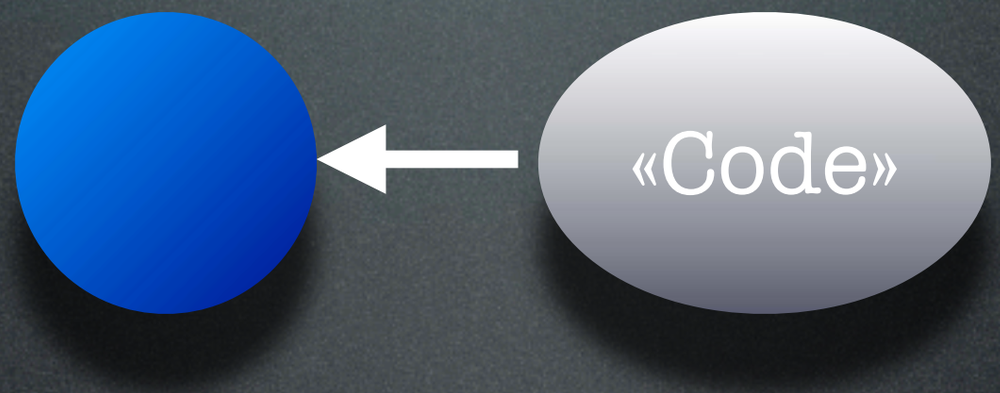
Software
Netzwerke

Programmierer
Serverbetreiber
Benutzer

Transparenz

Jurisdiktionen

Subsidiarität



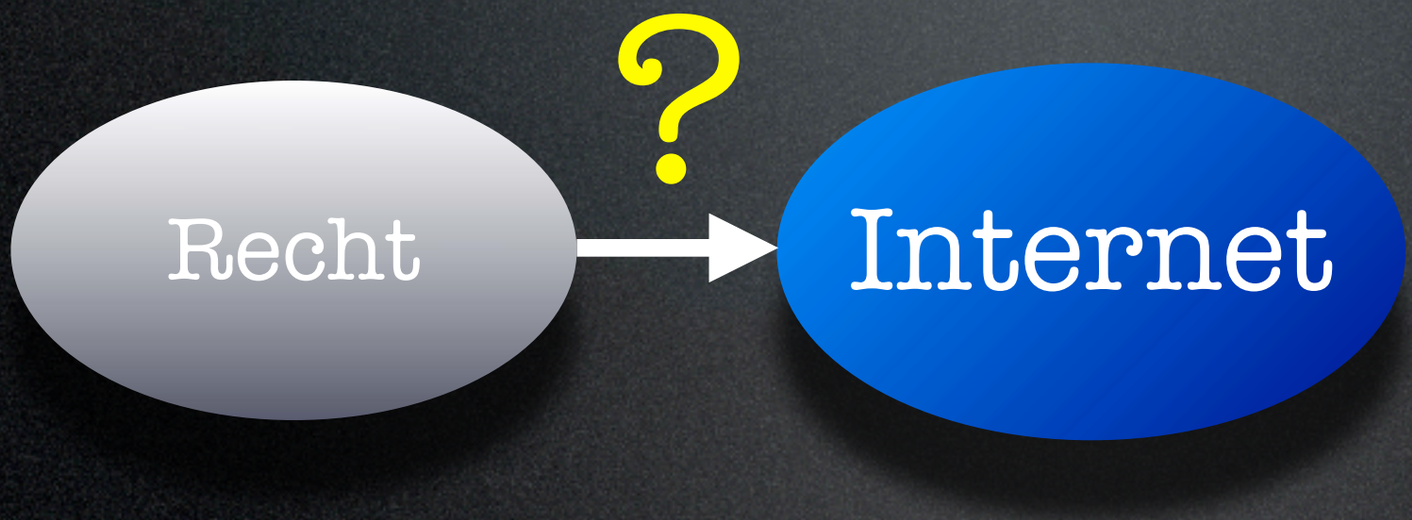
$$\mathrm{I} \rightarrow \mathbb{R}$$

Re-Merging

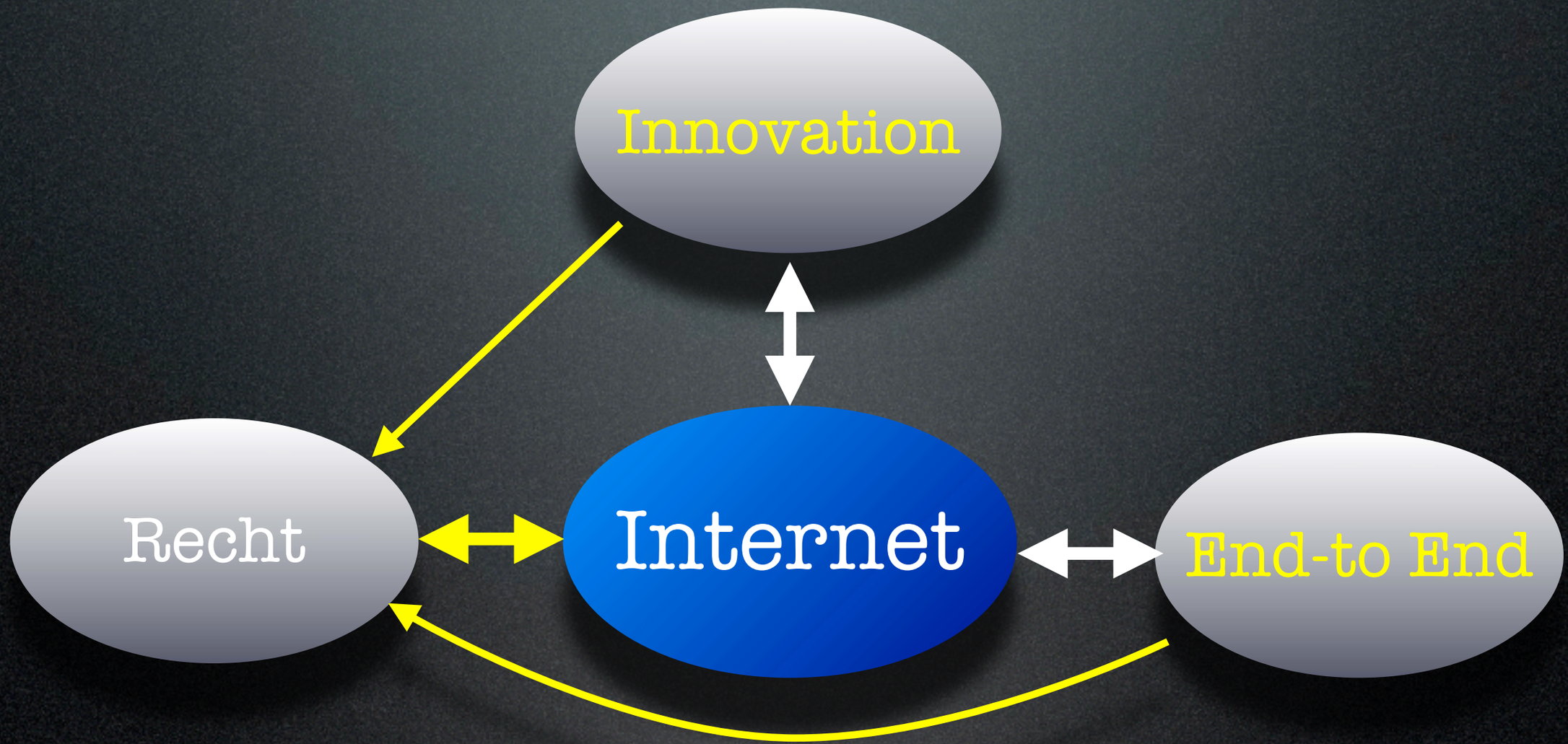
R→I

I→R

Netzneutralität



Netzneutralität



Re-Merging

R→I

I→R

Neue
Institutionen-
ökonomik

Rechts-
wissenschaft

RI
=
R→I
R←I

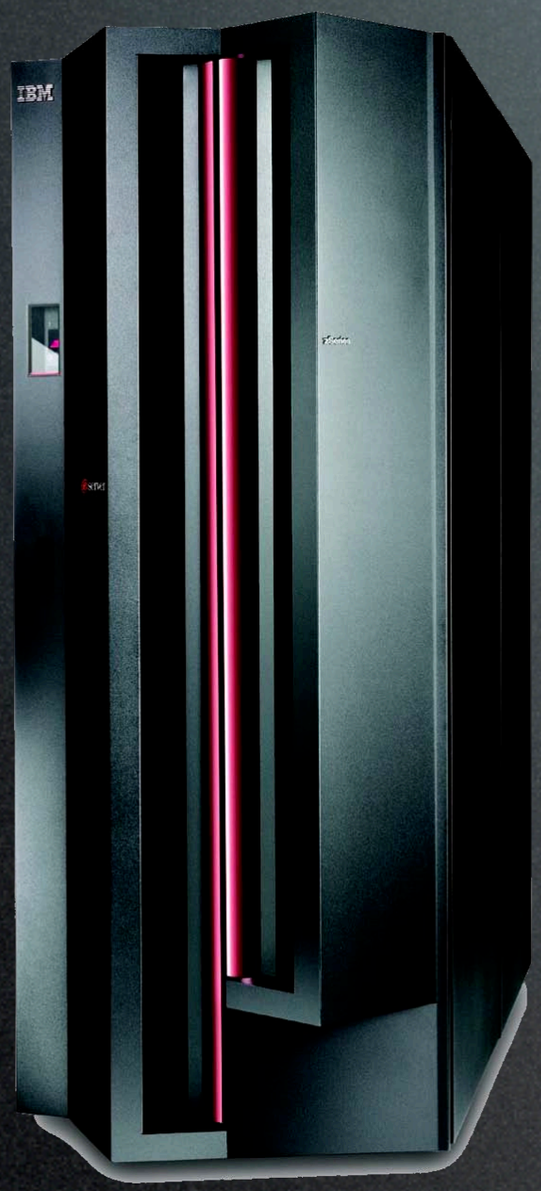
Informatik

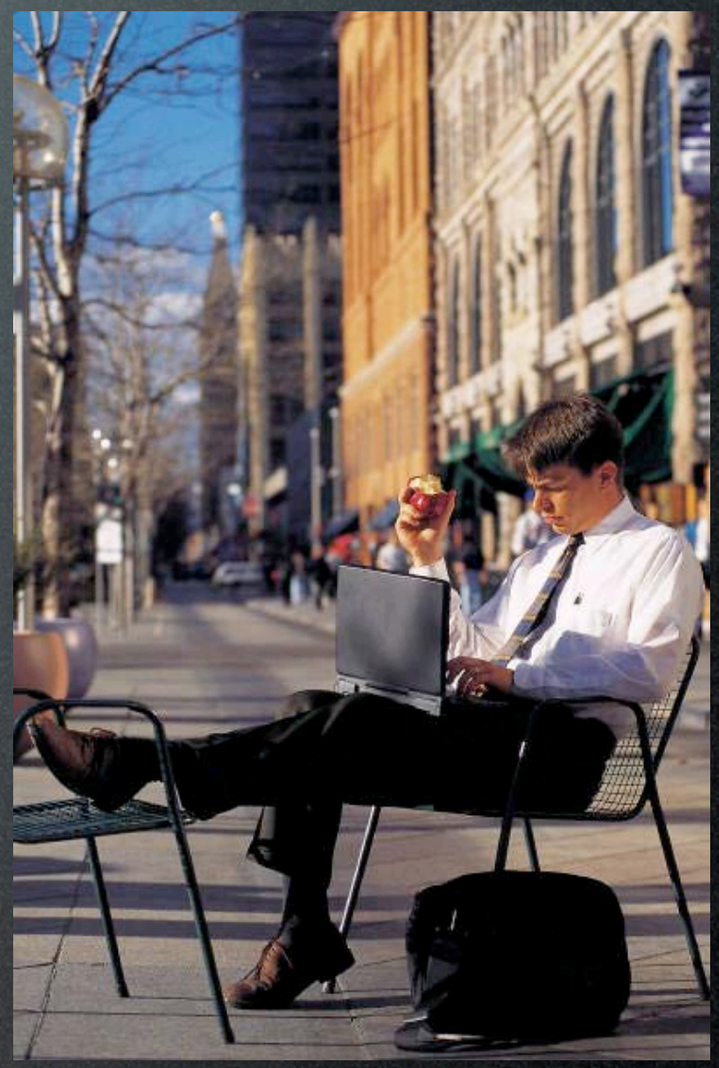
Neue Institutionen-ökonomik

Neue Rechtsinformatik (NRI)

Rechts-wissenschaft

Informatik


IBM



Neue Institutionen-ökonomik

Neue Rechtsinformatik (NRI)

Rechts-wissenschaft

Informatik

Zum Einstieg
Fünf kurze Geschichten

1995/1997

2002

2007

2007

2008

Tote und lebendige Wissenschaft

Eine wissenschaftliche Idee stirbt, wenn es niemand mehr gibt, der sie vertritt.

Durch Kooperation wird Wissenschaft lebendig

Die Partner der Berliner Regulationstheorie

Rechtswissenschaft

Mathematik

Informatik/
Ingenieurwissenschaft

und neuerdings

Ökonomik

Die geistigen Väter
der Berliner Regulationstheorie
sterben,
wenn auch langsam

Eine Theorie lebt...

wenn die heute und morgen Lebenden
sagen: Damit wollen wir arbeiten

Den Studenten gefällt es

Den Professoren auch

Neue Rechtsinformatik (NRI)

Datenschutz (nicht Datenschutzrecht)

Property Rights

IT-Sicherheit

Open Source Software

Informationsökonomie

Regulationstheorie (Netzneutraltät)

Google™

Stanford Law School

The Center for Internet and Society

Legal Futures Conference

March 8, 2008
9 am - 4 pm
Stanford Law School
Room 290

Free Registration

- **Barbara van Schewick / Professor of Law, Stanford Law School; Co-Director, Center for Internet and Society**

«NRI» enthält nach Berliner Lesart

Datenschutz (nicht Datenschutzrecht)

Property Rights

Organistion von IT-Sicherheit

Open Source Software/
Informationsökonomie

Regulationstheorie (Netzneutraltät)


All new!
RI
=
R→I
R←I