30 Years of the Bled eConference
From Past to Future

Roger Clarke
Xamax Consultancy, Canberra
Visiting Professor in Cyberspace Law & Policy, UNSW
Visiting Professor in Computer Science, ANU
Past Chair, Australian Privacy Foundation

..../EC/BledPanel30 {.html,.ppt}

30th Bled eConference – 19 June 2017
1997
Electronic Commerce: Themes of the Last Decade, and the Next

Retrospective

Prospective

http://www.rogerclarke.com/EC/Themes.html
1997
Electronic Commerce: Themes of the Last Decade, and the Next

Retrospective
1. From Tool-Driven to Needs-Driven
2. From Structured to Unstructured (data and processes)
3. From Closed to Open

Prospective
1. Convergence – Computing + Comms = I(C)T
2. De-Stabilisation – 'more markets than hierarchies'
3. Surveillance

http://www.rogerclarke.com/EC/Themes.html
What Must E.C. Deliver Now?
Barriers to Progress

Re Internet Startups
   Overcome the gambler's impulse (e.g. Blockchain)

Re B2B
   Competition-at-all-costs holds back collaboration

Re B2C
   'Marketing as conquest' doesn't and won't work

Re eGovernment
   Lack of participative design & control not service

http://www.rogerclarke.com/EC/Bled2KPanel.html
2007
eCollaboration
Some Looming Impediments

(1) **Identity Management As Threat**
We need strongly protected pseudonymity

(2) **The Insecurity Of Consumer Devices**
From desktops and portables to handhelds

(3) **Exclusion of People from Stakeholder Scope**
Participative design is missing, no attention to usees

(4) **The Lack of Impact Assessment**
We fail to recognise and mitigate the negatives

http://www.rogerclarke.com/EC/eCollab-0706.html
Challenges for the Bled eConference beyond 2012

**eTechnology**

- Virtualisation of Data Processing and Storage
- Cameras, smart meters, drones, perhaps an *Internet of Things*
- **Internet Traffic Monitoring** (‘Deep Packet Inspection’)
- Biometrics

**eTechnology-in-use**

- Virtualisation of Organisational Structures and Employment
- **Data Gathering** – Locations, Comms, Content Access, Social Networks
- **Denial of Anonymity, Denial of Multiple Identities**, Insecure Keys

**eTechnology Politics**

- **Dominance of economic drivers over social needs**
- **Dominance of corporate and government interests over consumer and citizen interests**
  - The Social Media Business Model is Anti-Social
  - Control over the Internet by Governments and the ITU

Copyright 1997-2017

Topics – 2012-2017 - ...

• Social Media & Big Data
  Hans-Dieter Zimmermann CH, Helen Cripps AU

• eHealth
  Nilmini Wickramasinghe AU, Juergen Seitz DE

• Digital Wellness
  Christer Carlsson FI

• Factory of the Future / Smart Factories
  Christian Kittl AT, Wilfried Sihn AT

• Education in Digital Economy
  Mirjana Kljaji Boratnar SI, Matt Glowatz IE

http://bledconference.org/conference-chairs/
Challenges Beyond 2017

• **Datafied People**
  • The Digital Surveillance Economy, Wearables, Implantables; Ubiquitous, Pervasive, Ambient, Mobile Computing = eObjects

• **Big, Bad Data**
  • **Data Quality**: Syntactic Validity, Appropriate (Id)entity Association, Appropriate Attribute Association, Appropriate Attribute Signification, Accuracy, Precision, Temporal Applicability
  • **Information Quality**: Theoretical Relevance, Practical Relevance, Currency, Completeness, Controls, Auditability

• **Big, Bad Data Analytics (‘indistinguishable from magic’)**
  • Appropriateness of the Inferencing Technique, Data Meaning, Data Relevance, Transparency of Process, and of Criteria

• **Decisions Delegated to Machines**

• **Tempering the Unbounded Optimism**

http://www.rogerclarke.com/EC/BDQAS.html
http://www.rogerclarke.com/EC/BDBR.html
ENJOY SLOVENIA !!