30 Years of the Bled eConference
From Past to Future

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

30th Bled eConference – 19 June 2017

1997
Electronic Commerce:
Themes of the Last Decade, and the Next

Retrospective

Prospective

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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. **<u>De-Stabilisation</u>** – 'more markets than hierarchies'
3. **<u>Surveillance</u>**

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2000
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

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4

2007
eCollaboration
Some Looming Impediments

(1) **<u>Identity Management As Threat</u>**
We need strongly protected pseudonymity

(2) **<u>The Insecurity Of Consumer Devices</u>**
From desktops and portables to handhelds

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

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

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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 <u>Anti</u>-Social
  - Control over the Internet by Governments and the ITU

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http://www.rogerclarke.com/EC/EIRes-Bled25.html

6

Topics – 2012-2017 - ...

- **Social Media & Big Data**
  Hans-Dieter Zimmermann <u>CH</u>, Helen Cripps <u>AU</u>

- **eHealth**
  Nilmini Wickramasinghe <u>AU</u>, Juergen Seitz <u>DE</u>

- **Digital Wellness**
  Christer Carlsson <u>FI</u>

- **Factory of the Future / Smart Factories**
  Christian Kittl <u>AT</u>, Wilfried Sihn <u>AT</u>

- **Education in Digital Economy**
  Mirjana Kljaji Boratnar <u>SI</u>, Matt Glowatz <u>IE</u>

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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**

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