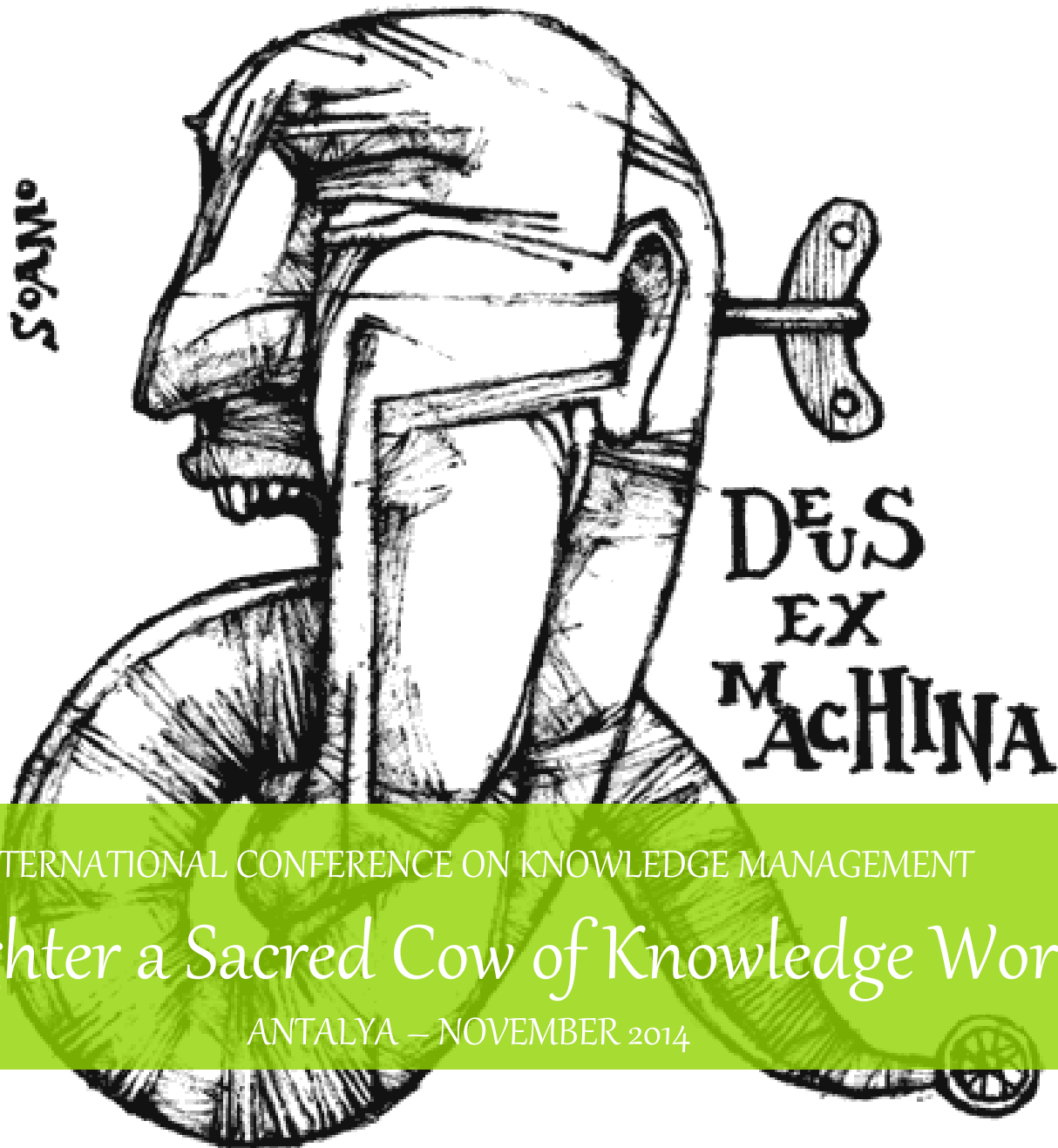


SOMNO



DEUS
EX
MACHINA

INTERNATIONAL CONFERENCE ON KNOWLEDGE MANAGEMENT

Slaughter a Sacred Cow of Knowledge Work

ANTALYA – NOVEMBER 2014



SACRED COW OF KNOWLEDGE WORK

*Human cognitive capabilities will outperform artificial
cognitive capabilities indefinitely*



SOCHI CHESS CHAMPIONCHIP 2014

Magnus Carlson vs. Visvanathan Anand




SCHACH-WM

Anand trickst Carlsen und die Computer aus

Viswanathan Anand zeigt, was er kann und was kein Rechner sieht. Magnus Carlsen wirkt erschöpft. Die siebte und bisher spannendste Partie endet nach hartem Kampf remis. VON ULRICH STOCK, SOTSCHI

Aktualisiert 18. November 2014 08:57 Uhr

30 Kommentare | 

-  ARTIKEL Auf einer Seite lesen
-  QUELLE ZEIT ONLINE
-  SCHLAGWORTE Magnus Carlsen | Schach-WM | Viswanathan Anand | Garri Kasparow | Remis | Sotschi

MEISTGELESEN

1. SCHACH-WM 2014 Es wird eng für Vishy
2. SCHACH-WM Doch nur Remis
3. SCHACHWELTMEISTERSCHAFT Wieder Remis zwischen Anand und Carlsen
4. BUNDESLIGA-VORSCHAU Der mauflaule Norden will das lauteste Fußballspiel aller Zeiten
5. SCHACH-WM 2014 Nach einer Stunde nur ein Nö, Ach und Hm

MEISTKOMMENTIERT

1. WELTMEISTERSCHAFT 2019 Leichtathletik-Verband vergibt WM nach Katastrophe
2. SCHACH-WM Carlsen und ZDF über die WM 2014
3. SCHACH-WM Anand trickst Carlsen und die Computer aus
4. WELTMEISTERSCHAFT 2019 Leichtathletik-Verband vergibt WM nach Katastrophe
5. SPANIEN – DEUTSCHLAND Sie machen sich wieder die Hemden schmutzig

SOCHI CHESS CHAMPIONCHIP 2014

«Anand fooled Carlsen and the Computers [...] Anand presents what he is capable to do and what no computer unveils.»



ENDEAVOURS IN INTELLIGENT MACHINES

A Short History


PHONETIC KEMP INC.
Sonic Urban Research Laboratory

UKIYO CAMERA SYSTEMS
mobile phone 'harajuku'



~1770

von Kempelen: Mechanical Turk





1912

Torres y Quevedo: El Ajedrecista



1997

IBM: Deep Blue

ΣΚΕΨΟΥ

THINK



तोचिए

\$24,000

Who is Stoker?
(FOR ONE WELCOME OUR
NEW COMPUTER OVERLOADS)
\$1,000

\$77,147

Who is Bram
Stoker?
\$ 17,973

\$21,600

WHO IS
BRAM STOKER?
\$5600

BEYOND CHESS: 2011

IBM: Watson



2013

The Era of «Cognitive Computing»



1997

Kasparov (although furious) has a new idea



1998

«Advanced Chess» (chess grandmaster + chess computer)



2005

Zackary + Cramton + DELL hardware: winner of a freestyle tournament

1. COGNITIVE COMPUTING IMPACT

Rise of «Cognitive Companionships»









(Salomon 1993)

Companionship for «dual-use»



(Salomon 1993)

Performance-oriented

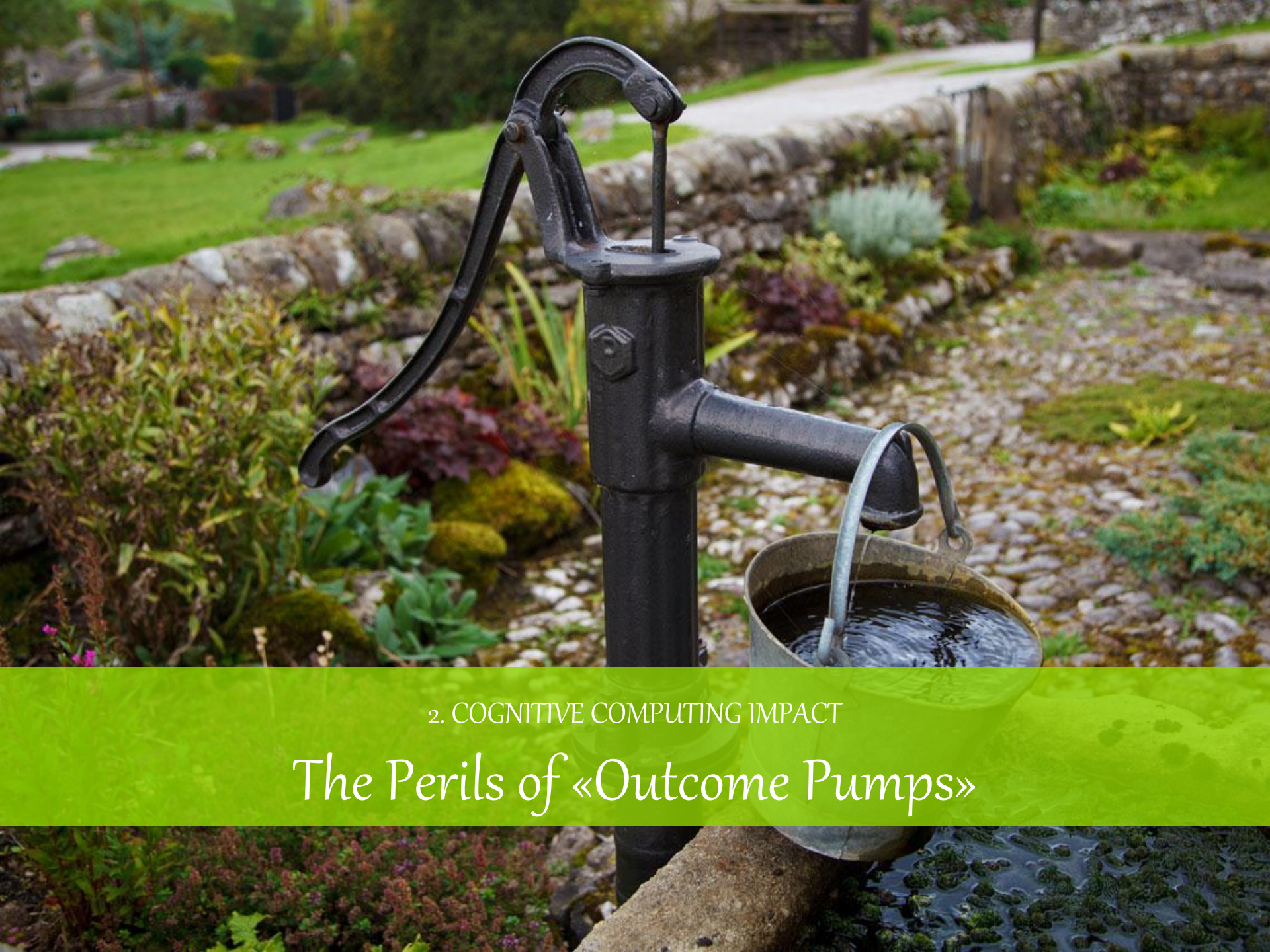


$$1 + 1 =$$

$$2 + 2 =$$

(Salomon 1993)

Pedagogical



2. COGNITIVE COMPUTING IMPACT

The Perils of «Outcome Pumps»



(MUEHLHAUSER 2013)

Facing the Intelligence Explosion





(MUEHLHAUSER 2013)

Task: «Get my mother out of the building!»



(MUEHLHAUSER 2013)

Task: «Get my mother out of the building *without blowing up the building!*»





(MUEHLHAUSER 2013)

After many more attempts ...





(MUEHLHAUSER 2013)

Task: «Within the next ten minutes, move my mother (defined as the woman who shares half my genes and gave birth to me) so that she is sitting comfortably in this chair next to me, with no physical or mental damage.»



(MUEHLHAUSER 2013)

«You got what you wished for, but you didn't get what you wanted.»

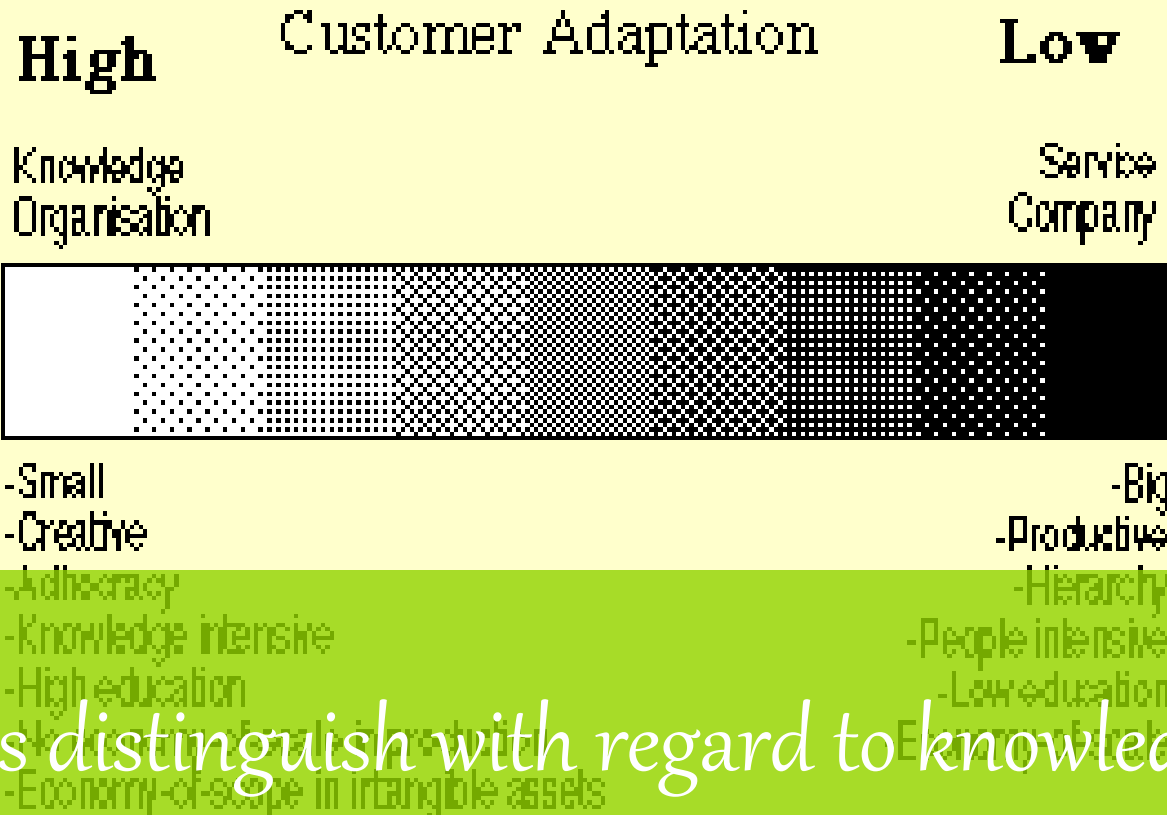


3. COGNITIVE COMPUTING IMPACT

Collapse of the «Efficiency Continuum»

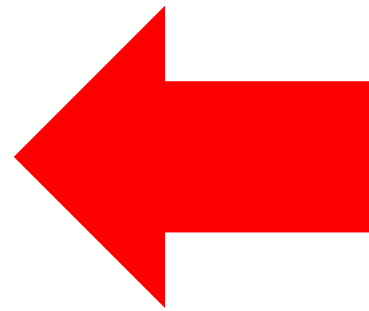
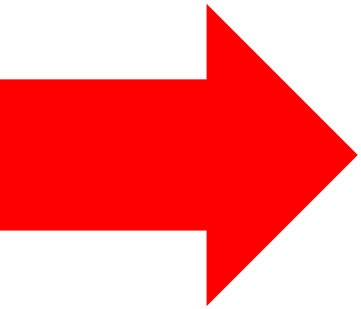


Non-manufacturing Organisations categorised according to level of Customer adaptation



(Sveiby 1992, 1999)

Companies distinguish with regard to knowledge work efficiency



(Sveiby 1992, 1999; Holtel 2013)

Collapse of the knowledge work «efficiency continuum»



YOUR TAKE AWAY

Seriously rethink knowledge work at the advent of cognitive computing!



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