# Research on Information Technology in Organization and Management

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# Presentation of us

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**Guests**
- Yunchen Sun (LiU)
- Tim Kastrup (UU)
- Additional guests

# The agenda for the UU days

**Today**
- 11:00 -12:00: Introduction and Presentation

- 13:00 -14:00: From contingencies to affordance

- 14:15 – 15:45: Coordination and structural arrangement

- 16:00 –17:00: Accounting, analytics and action: The case of financial due diligence (Guest: Tim Kastrup)

**Tomorrow**
- 09:00-10:00. Digital artifacts at the center of organizational routines (Guest: Yunchen Sun)

- 10:15-12:00: Decision Making and learning.

- 13:00-14:00: Group discussion

- 14:15-15:00: Wrapping up

# The other modules

**UPPSALA UNIVERSITET**

***Module 2: SU***
- Hosts: David Sörhammar, Jan Löwstedt & Svante Schriber Guests: Fredrik Nordin, Johan Klasseen, Lotta Hultén

*Strategy and Change/Transformations*
- (Digital) Change; (Digital) Strategy; Digital transformation of established firms; Managing with the help of data; Digitalization in Schools; Sociotechnological transformation; We Are All Theorists of Technology Now

***Module 3: KAU***
- Hosts: Peter Magnusson, Bo Edvardsson & Patrik Gottfridsson. Guests: Per Skålén, Kaisa Koskela-Huotari, Mia Larson, Siri Jagstedt, Nina Löfberg, Maria Åkesson, Anna FyrbgergYngfalk, Markus Fellesson

*Value Creation and Innovation in Service Production*
- Evolution of service research; Services as Practices; Service-Dominant Logic; Digital Marketing in the Service Industry; Alternative perspectives on Service marketing and management; Service system transformation in manufacturing firms; Platformization and innovation

***Module 4: Zoom seminar***

# Agenda for this presentation

**UPPSALA UNIVERSITET**

- Background and purpose of the course

- Structure of the course

- Presentation participants

## Background & Purpose

- The relationship between technology and organization has been studied for more than 60 years within management

  – Woodward (1958); Thompson (1967); Perrow (1967)

  – Child (1972), Bijker (1987), Fulk (1993)

  – Barley (1986), Orlikowski & Scott (2008), Leonardi (2011)

## Background & Purpose

Orlikowski, Wanda J., and Stephen R. Barley. "Technology and institutions: What can research on information technology and research on organizations learn from each other?." *MIS quarterly* (2001): 145-165. p. 146; 158)

- *"Because organization studies (OS) and information technology (IT) are disciplines dedicated respectively to studying the social and technical aspects of organizing, cross-fertilization, if not outright collaboration, between the two would seem to be beneficial – even necessary – for documenting and assessing the changes taking place around us"*

- The (im)balance of cross-fertilization

# Background & Purpose

Orlikowski, Wanda J., and Susan V. Scott. "10 sociomateriality: challenging the separation of technology, work and organization." *Academy of Management annals* 2.1 (2008): 433-474. P. 435.

**Table 10.1** Publication of Technology Articles in Management Journals (1997–2006)

| | Academy of Management Journal | Academy of Management Review | Administrative Science Quarterly | Organization Science | Total Across Journals |
|---|---|---|---|---|---|
| Number of published research articles | 668 | 670 | 206 | 483 | 2027 |
| Number of articles addressing technology | 27 | 11 | 10 | 52 | 100 |
| Percentage of articles addressing technology | 4% | 1.6% | 4.9% | 10.8% | 4.9% |

of technology in organizations. Table 10.1 provides the detailed breakdown by journal.

Thus, over the past decade of management research, over 95% of the articles published in leading management journals do not consider or take into account the role and influence of technology in organizational life.[1] This is a

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# Background & Purpose

Zammuto, Raymond F., et al. "Information technology and the changing fabric of organization." *Organization science* 18.5 (2007). P. 750; 660.

- Between 1996 and 2005, only 14 of 1,187 (1.2%) articles published in three of the field's top journals, ASQ, AMJ, and the Academy of Management Review (AMR), focused on technology's relationship to organizational form and function.

- In absolute terms, the number of articles on IT and organization appearing in ASQ, AMJ, and AMR between 1996 and 2005 was virtually unchanged from the number of articles on computer technology and organization appearing in ASQ and AMJ between 1966 and 1975.

- "organizational scientists may need to "marry" information scientists to succeed"

# Background & Purpose

- Swedish Research School of Management and IT

- *"Understanding of the role of Information technology in management studies"*
  - (1) Organization and Management Learning (UU)
  - (2) Strategy and Change/Transformations (SU)
  - (3) Value Creation and Innovation in Service Production (KAU)
  - (4) Course Summary (Online)

- What role does IT play in management studies and how can it be explored?

- Build your network and get insights into how IT is studied in various research project

# Structure of the course

**To-do's, writing and hand-ins**

- Writing a personal journal (only mandatory reading)

- Reflective questions for each module

- Main paper (deadline 5th of June, 23:00, up-load to course webpage). In ONE document:
  - Part 1: Synthesis of your personal journal. About 2500 words
  - Part 2: Your personal journal (**edited**)
  - Refference list for Part 1 and Part 2.

# Structure of the course

⠿ ▾ Seimar 7, Zoom, 14/6: Assessment and Discussion of Course PM

⠿ 📝 Main paper/hand-in: Synthesizes and personal journal (deadline 5th of June 23:00)
5 Jun | 0 pts

⠿ 🗩 Hand-in of main paper for others in the group to read (deadline: 5th of June; 23:30)

⠿ 🔗 Module 4: Online Zoom seminar, 14th of June, 10:15-16:00

⠿ 📝 Peer-review hand-in
15 Jun | 0 pts

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# Structure of the course

**To-do's, writing and hand-ins**

**Module 4: Online Zoom seminar, 14th of June, 10:15-16:00 (approx.)**
- Pre-work
  - Peer-review of the main paper hand-in (focus on the synthesize part)
    - Orally: Prepare questions for the zoom seminar (leading a discussion)
    - Written: sketch on a 300 word peer-review
- Zoom seminar:
  - You as a peer-reviewer will lead by 1) Summarize the text, 2) discuss the text and ask questions.
  - This is followed by a broader discussion lead by the course leader.
- Post-work
  - Revise your written peer-review and hand-in one day after the seminar.

# Presentation of participants

- **Betty Saenyi, Lund University**
  - "Evolution of public digital health platforms"
  - Research interest: Digital platforms in general, then looking into digitilisation and platformization of the public sector. Innovation ecosystems (both public and private sector)

- **Elena Anastasiadou, Mälardalen University**
  - "B2B engagement in a sustainability context"
  - Research interest: B2B relationships, business actor engagement, service research, value co-creation, service-dominant logic, sustainability, digitalization

- **Shashini Rajaguru, Linköping University**
  - ·Consumers' perspective within smart meter technology context"
  - Research interest: Digital transformation and how it impacts the users within the scope, user related challenges such as resistance. The relationship between technology and the society.

- **Ricardo Costa Climent, Uppsala University**
  - "VALUE CREATION AND CAPTURE THROUGH THE USE OF MACHINE LEARNING"
  - Research interest: value creation from the use of Artificial Intelligence

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- **Subhalagna Choudhury, Uppsala Universitet**
  - "Towards an AI Based Regime in RegTech : Exploring the interacton of trust, trustworthiness and regulaton"
  - Research interest: how regulatory approaches can build trust in AI Based Regtech deployed in financial institutions

- Zeina Othman, Mälardalens University

- Karim Nasr, Uppsala University

- Khando Khando, Örebro University

- Shashini Rajaguru, Linköping University

- Ibrahim ElShamy, Lund University

- Natalie Aleksić, Stockholm School of Economics

- Todd Drennan, Mälardalen University