Finding Research Literature
Msc in Entrepreneurship and Innovation

LUND UNIVERSITY SCHOOL OF ECONOMICS AND MANAGEMENT
Talk to each other

• What library resources have you used, so far?

• What do you find difficult when it comes to search for the literature?

• What do you want to know when you leave this lesson?
Today

• Scholarly publications and how to evaluate scholarly journals
• Relevant sources for scholarly and other information within innovation and business
• Strategies to find information, and how to get an overview of a subject/research area
• Tools for more efficient and strategic information searching
Scholarly Publishing

• What distinguishes scholarly publishing from other types of publishing?
  – Authors are scholars
  – Audience are scholars
  – Specialised language
    » Demands knowledge of expert terminology
    » Heavily formalised
  – Aim
    » Dissemination of ideas and findings
Scholarly Journals

- Are published by scholarly publishers, organizations or societies
- Provide information on their
  - Aims and scope
  - Editorial board
  - Author guidelines
- Entrepreneurship Theory and Practise
- Are (in general) covered by journal rank databases
Evaluating scholarly journals

• **Impact factor**
  – Measures the influence of the entirety of a single journal
  – Can not be used to assess the value of a single article
  – Can not be used to assess researchers

• **SCImago Journal Rank**

• **Incites** – JCR Journal Citation Reports

• **Nordic List** - Norwegian Register for Scientific Journals, Series and Publishers
Scholarly Journal Articles

- Published in scholarly journals
- Authors are scholars
- Standard formatting
- Transparency of funding
- Peer reviewed
Peer Review

Submission process

Peer review

Results novel? Topic relevant? Journal requirements met?

Manuscript → Editor

Additional data or background Improve readability

Revision

Accepted—publication!

Reject

Evaluating scholarly journal articles

- Identifiers
  - Authors and their affiliations
  - Co-authors
- Citations
- Scopus and Web of Science
Scopus

- Mostly scholarly sources of good quality
- Find researchers, publications, articles, research fields
- Highest cited articles
- Who cited an article

"Smart cities"
Other scholarly publications

• Monographs
  – Mostly one subject written by specialist/s in the field
  – Distinguish scholarly monographs from textbooks
Other scholarly publications

• Anthologies
  – Contributions from several authors, compiled by editor/s
Other scholarly publications

- Doctoral dissertations
  - Research within a specialized field, required to get a doctoral degree
  - Can be a thesis by publication (collection of research papers) or a monograph
Other scholarly publications

• Conference proceedings and papers
  – Collection of papers presented at a conference
  – Various types of publishing
    » Special journal issue, book volume, online, not published
  – Papers sometimes referred to as ”grey literature”
  – Might be work in progress
Working papers and reports

- Still research, but not peer reviewed before publication
- Sometimes referred to as "grey literature"
Non scholarly publications: Trade journals

- Practical information and industry news aimed for workplace professionals
Some strategies to find information

• Get an overview of the subject in an encyclopedia
  – Example: Encyclopedia of Creativity, Invention, Innovation, and Entrepreneurship: Open Innovation and Entrepreneurship

• Identify important scholars/authors – check out publications and co-authors

• Identify most relevant journals and browse tables-of-content

• Search subject databases and library catalogues

• Follow references and citations

• Google it…
Search Terms

• From question to concepts and terms

• Tip: Structure in mindmap or table
Search and collect information

• Choose different search terms for
  – Theoretical perspective and discussion
    » Earlier studies, Definitions of concepts and theories
  – Methodology
  – Empirics
    » Industry, Country, Activity…

• Collect information about
  – Authors, publications, conferences, organizations
  – Keywords
Tips for searching

Too few results:

• Search with fewer words

• Truncate (innovat* searches for both innovative and innovation)

• Change search terms

• Use synonyms/related terms and combine with OR: (“smart cities”) OR (“internet of things”)

• Change database

Too many results:

• Add more search terms

• Search phrases with ” ” (eg “front end innovation”)

• Search in specialized database (eg Business Source Complete instead of Google Scholar)
Useful databases

- LUBsearch
  - Library catalogue and (most of) our electronic resources of various types
- Business Source Complete
  - References to scholarly and other literature within business administration. Good resource to find trade journal articles
- Scopus
  - References to scholarly literature within all subjects. See who has cited which article. Get an overview of research areas
- Nexis Uni
  - News, Company profiles, Business information, Law…
- Google Scholar
  - References to scholarly literature and more. Possible to see citations
- More resources are found in the subject guide Business Administration
  - Market information, Statistics, Finance…
LUBsearch

Search Results: 1 - 50 of 190

1. **Smart cities** and the **citizen**-driven **internet** of **things**. A qualitative inquiry into an emerging theme of urban development.
   Subjects: **SMART cities**, **INTERNET of things**, **ENTREPRENEURSHIP** -- India; **URBAN planning** -- India; **INSTITUTIONAL theory**.

2. **Smart cities** and the **citizen**-driven **internet** of **things**. A qualitative inquiry into an emerging theme of urban development.
   Subjects: Emerging economies; Entrepreneurship; Institutional theory; IoT; Quadra-helix model; Smart cities.

3. **Digital waste management using LoRa network: a business case from lab to fab**
   By: Delaitis, Michael J.; Mansoor; Hussain; Nagy; Szabolcs; Aguard; Amabedt; Presser; Miho. In 2010 Global Internet of Things Conference. Subjects: Communication; Networking and Broadband Technologies; Components; Circuits; Device and Systems; Comprehensive; IoT; LoRa; Recycling; Circular economy; Waste management; Innovation; Business entrepreneurship.

4. The **SMART** Initiative and the **Garuda Smart City** Framework for the Development of Smart Cities
   By: Ty, Kiat-Chin K.G.; Supangkat, Sahono Harso; Cornelia, Gregory; Armaz; Amy-Ahmad. In 2010 International Conference on Information, Communications and Signal Processing. Subjects: Communication; Networking and Broadband Technologies; Computing and Processing; General Topics for Engineering.

5. **Life After Infosys.**
LUBsearch

• Retrieves a lot from LUB’s collections, but not everything. No results from
  – Company/industry/customer information databases (Except from Business Source Complete)
  – Statistical databases
  – Financial databases
  – Databases for Swedish articles
1. Unlocking value from machines: business models and the industrial internet of things.
   Subject: Business models; Entrepreneurship; Transaction costs; Artificial intelligence; Information technology; Internet of things
   Cited References: 100 times cited in the Database

2. Case Method for the Conditions of Development of Startups Analysis in the IT Industry in Kazakhstan.
   Subject: Information Technology; Small business; New business enterprises; Entrepreneurship; Internet of things

3. INDUSTRY 4.0.
   Subject: Industrial productivity; Labor market; Contrasting all enterprises

4. Life After Infosys.
   Subject: Entrepreneurship; Infosys Ltd.; Internet of things; Smart cities

5. The Making of the Urban Entrepreneur.
   Abstract: The notion of the urban entrepreneur is gaining traction as a new form of business organization. This article explores the organizational and strategic implications of this phenomenon in the context of smart cities.
Google Scholar

- Settings - Library links
- "Smart cities" OR "Internet of things"
Other Useful Bibliographic Search Tools

• Asia Portal
• OECD iLibrary, IMF eLibrary, World Bank
  – (Books, working papers and more)
• Library catalogues LUBcat (in LUBsearch) and Libris
Libris and LUBcat

• **Libris:** The national library catalogue
  – Subject headings
  – Interlibrary loan

• **LUBsearch:** Catalogue only (LUBcat)
  – ”Innovation management”
  – Subject
Other types of information
Help and guidance from a librarian

The School of Economics and Management Library offers help with information retrieval – both individually and in groups.

Book a librarian

Make an appointment with a librarian for search help and individual guidance in information retrieval. The service is for students and employees at the School of Economics and Management.

Please fill out the form

Library resources

- LUBcat - Library catalogue
- LUBsearch - Articles, journals, e-books, books, etc
- Databases A-Z
- ePublications - e-journals and e-books
- LibGuides - Subject guides
- LUBITO - Scanned articles
- Research Portal
- LUP Student Papers
- LIBRIS - the National library catalogue
- WorldCat - Global catalogue of library collections