HOW TO FIND INFORMATION RESOURCES FOR YOUR
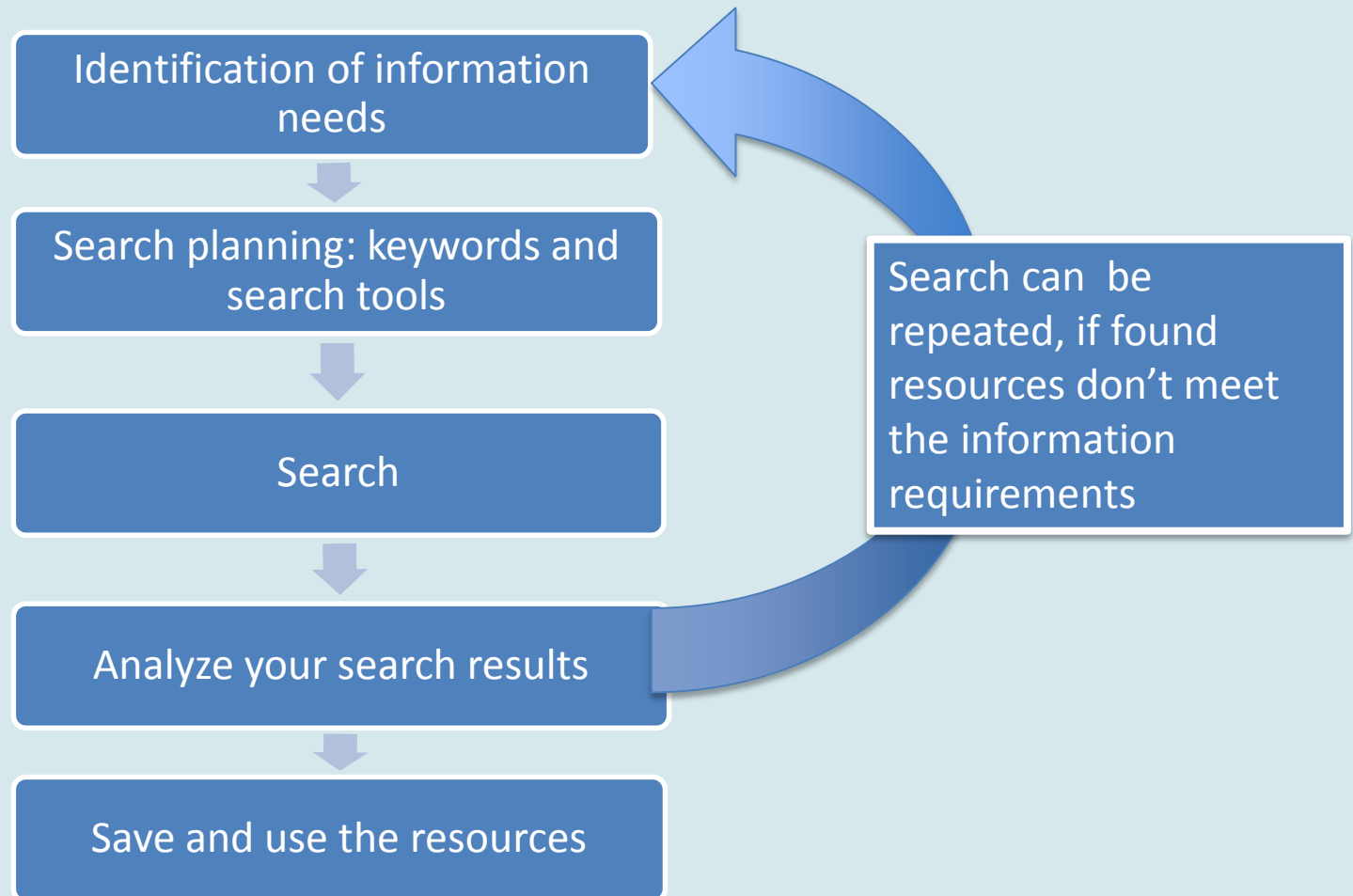
MASTER THESIS/COURSE PAPER ?

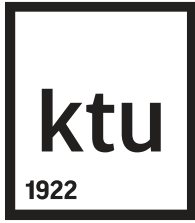## (Technological and Physical Sciences)

Auksė Patackienė

KTU Library

❑ Information search process

❑ How to find information in the library catalogue and other resources of the library?

❑ How to find e-books?

❑ How to find e-articles?

❑ How to find information in open access resources?

Information search process

Identification of information needs

↓

Search planning: keywords and search tools

↓

Search

↓

Analyze your search results

↓

Save and use the resources

Search can be repeated, if found resources don't meet the information requirements

Identification of information needs

❖ How recent the information should be?

❖ What type and what kind of information do you need?

❖ What format of information do you need?

❖ What languages will you use in your search?

❖ How much information do you need?

❖ How much time do you have for information search?

Keywords

❖ Identification of keywords based on the topic and aspects related with the topic.

❖ Alternative terms, synonyms.

❖ Context is relevant while searching for information.

Where to find keywords?

ktu
1922
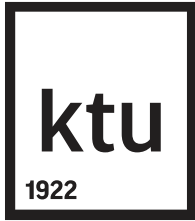
Encyclopedias

Dictionaries

Thesaurus

THESAURUS – a dictionary of synonyms consisting of a comprehensive list of subjects concerning which information may be retrieved by using the proper key terms

o Thesaurus.com http://thesaurus.com/ ,
o Merriam-Webster http://www.merriam-webster.com/
o *Subject Terms* in Academic Search Complete (EBSCO): http://search.epnet.com/ ➡ EBSCOhost Web ➡ Academic Search Complete
o NASA Thesaurus:

http://www.sti.nasa.gov/thesvol1.pdf
http://www.sti.nasa.gov/thesvol2.pdf

Google ???

Googol = 10^{100}

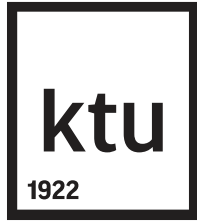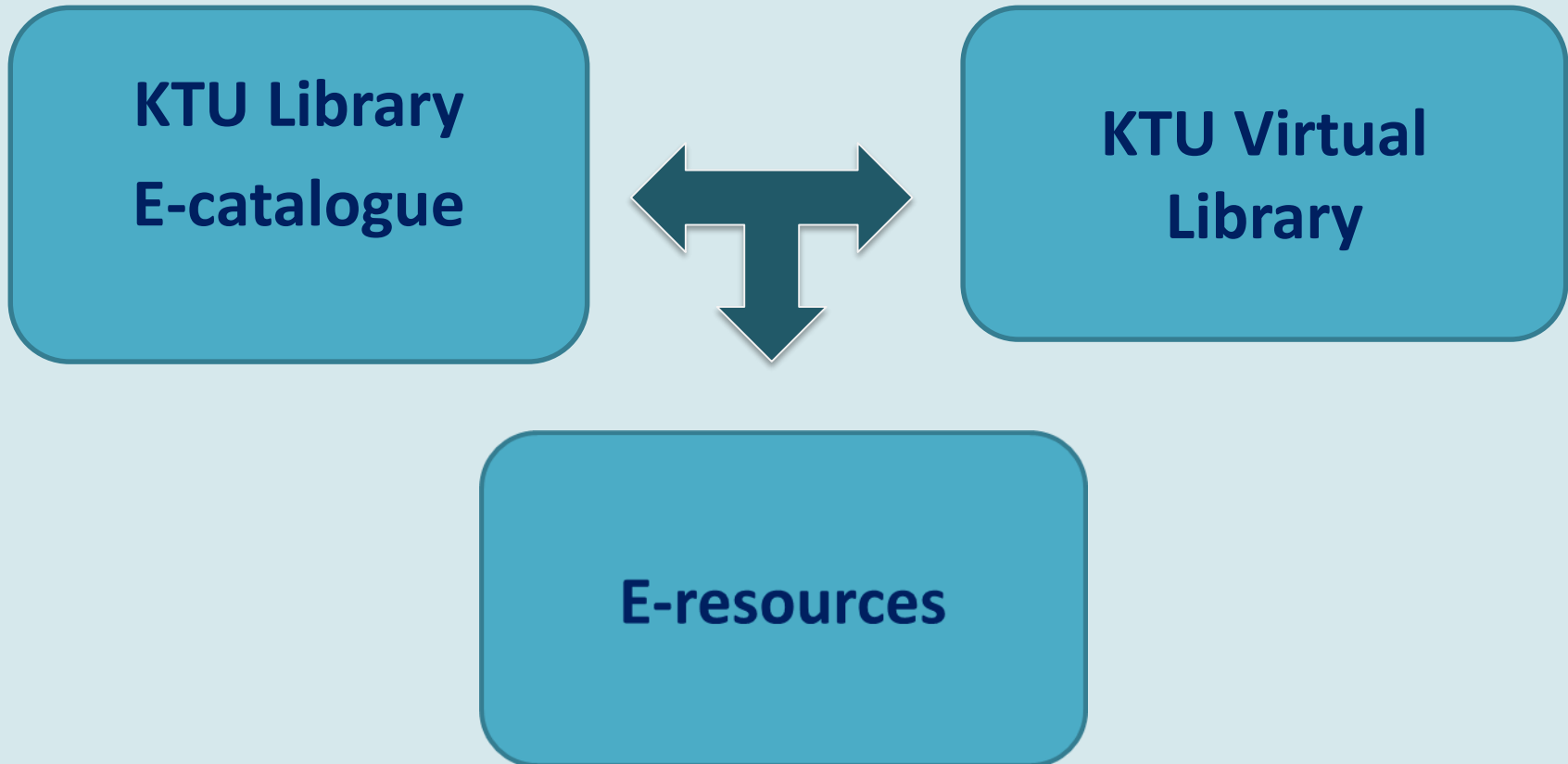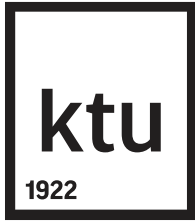| Institutional or joint library e-catalogues	Databases of institutional publications, theses and dissertations	Subscribed research databases, e.g., ScienceDirect, EBSCO, SpringerLINK, etc.	Open Access resources of research information, e.g., Directory of Open Access Journals, HighwirePress, etc.	Search engines of research information, e.g., Google Scholar, RefSeek, etc.

Evaluation of search results

Search results <u>selection</u> criteria:

- Relevance
- Novelty
- Variety — of information
- Quantitity
- Quality

Information <u>quality</u> criteria:

- Reliability
- Objectivity
- Authorship of the source
- Publisher
- The aim of publishing
- List of references
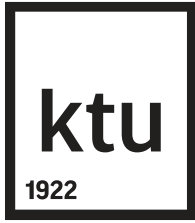
- It is impossible to find all relevant information resources. It is very important to keep balance between quantity and quality.

- There is no right solution, best search tool or the only keyword. You can change your search strategy.

- The main search principles (choosing keywords, search tools and resources) can be applied for searching in any information resource.

- Write down selected keywords, search tools etc. Save the relevant documents and information about them, make notes.

- You can always ask a librarian for advice.

How to begin your search?

KTU Library E-catalogue

KTU Virtual Library

E-resources

Search for books in
the e-catalogue **http://ktu.edu/en/library**

Search for books in the e-catalogue

KTU Virtual Library

KTU [Virtual Library](#)

Search in KTU Virtual Library –'a single search box'. Search is performed in all library resources (books, e-books, ETD, subscribed databases, KTU publication database, etc.).

- *Lithuanian electronic theses and dissertation database (ETD)*
- *Lithuanian Academic Electronic Library eLaba*

- *Dart–Europe*
- *Open Access Theses and Dissertations (OATD)*
- *EThOS Electronic Theses Online Service*

Search for publications in
KTU Science Publications database

Search for publications in
KTU [Science Publications database](#)

The database contains entries of publications by employees and students of the University.
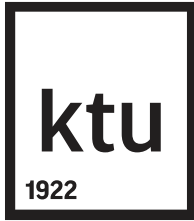
Where to find subcribed e-resources?

http://ktu.edu/en/library

- ❑ VPN
- ❑ KTU Virtual Library
- ❑ EZproxy
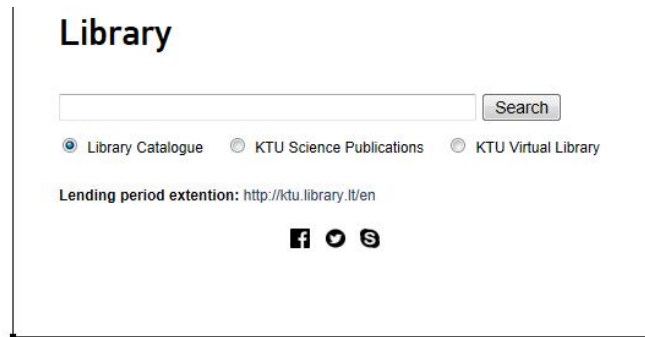
E-books and e-publications are available 24/7

❑ Access via computers in KTU network (without passwords)

❑ From home computer:

a) access via VPN (Virtual Private Network)

b) via KTU Virtual library (login with KTU Single Sign-On)

c) EZproxy
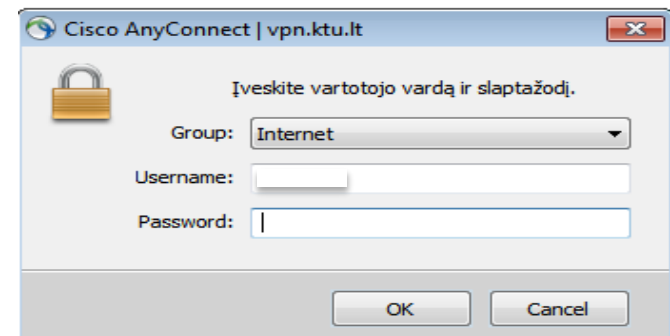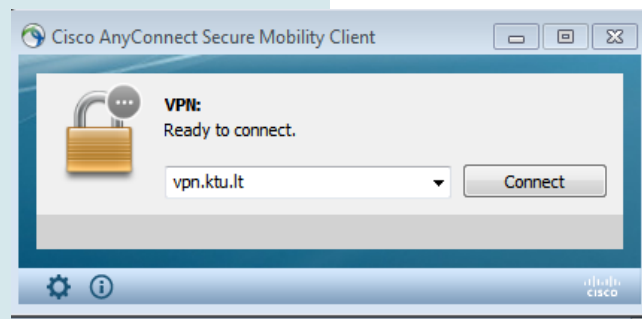
Users are allowed:

❑To use e-resources in your projects according to Copyright and Related Rights Law.

❑ To use (download / print / save) e-resources in small quantities and only for personal needs. In one session you can download not more than:

- 2 articles from one issue of the e-journal;

- 20% of one e-book.
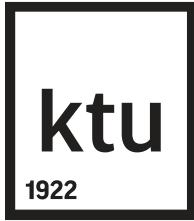
E-books in subscribed databases

Science Direct E-Books – e-books published by Elsevier (more than 400 books of the subscribed 700 belongs to the *Physical Sciences and Engineering* collection)

Ebrary – *Engineering&Technology collection* includes more than 6800 e-books.

Ebooks o EBSCOhost – *Engineering&Technology collection* includes about 8000 e-books

Springer LINK E-Books – access to *Chemistry and Material science* and *Engineering* collections published in 2005-2007 (book list) and access to *Engineering* collection published in 2010-2014 (book list)

(Searching & Browsing – SpringerLink)

AccessEngineering – e-books, curriculum maps, calculations, interactive materials.

21
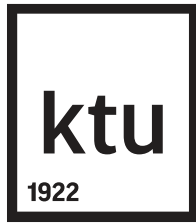
Multi-subject publications databases

Academic Search Complete - a database in EBSCO group with more than 9000 journals including engineering sciences.

ScienceDirect - multi-disciplinary database, including more than 800 journals on physical sciences and engineering.

Oxford Journals - multi-disciplinary database published by Oxford University Press. Subscribed journal list

SAGE journals - scientific journals not only on Social Sciences and Humanities but also on *Computer Science*, *Engineering* and *Material Science* too. Subscribed journal list.

SpringerLINK journals – multi-disciplinary database, including *Chemistry and Material Sciences*, *Engineering*, *Computer Science*, *Professional and Applied Computing* collections*.*

Publication Databases

Emerald Engineering eJournals Collection – journals on Technological Sciences. Subscribed journal list.

Annual Reviews access until 2013. Subscribed journal list

Nature – scientific journal on Physical and Technological Sciences accessible since 2006.

IOPscience scientific journals published by *Institute of Physics (IOP)* on physics and physical sciences

AIP - American Institute of Physics - journals on physical sciences. Subscribed journal list

APS Journals scientific journals published by *American Physical Society*. Subscribed journal list

Search for books and publications in Open Access repositories

Open access to books, publications, conference proceedings, etc.

- *DOAB* – Directory of Open Access Books.
- *In Tech* - Science, Technology and Medicine Open Access publisher.

- *DOAJ: Directory of Open Access Journals*
- *HighWire Press*
- *Co-Action Publishing*
- *Hindawi*

- [Google Books](#)
- [Google Scholar](#)
- *[Microsoft Academic Search](#)*
- *[RefSeek](#)*

- *[ChemSpider](#)*
- *[CiteSeerX](#)*
- *[TDG Scholar](#)*

Much better than Google!

Where to find help?
http://ktu.edu/en/library
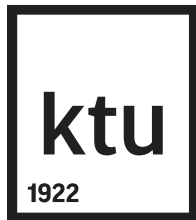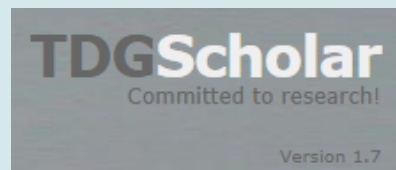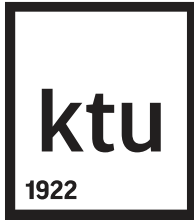
Opening Hours

eResources

KTU Science Publications Database

Uploading Theses and Doctoral Dissertations

Catalogues

KTU Research Journals

Open Access

Training

Video Guides

Exhibitions

Services

Premises

About Library

Suggest a Book

F.A.Q

Contacts

Video Guides

Reference manager and PDF organizer:

Mendeley (**video guides**). Help guides.

RefWorks (**video guides**). Quick-Start Guide.
Export Citations from RefWorks to Mendeley (**video guide**).

EndNote (**video guides**). Getting Started Guide.

Databases:

American Chemical Society Basic Search (<u>**video guides**</u>).

Credo Online Reference Service Basic search (**video guides**).

Ebrary Basic search (**video guides**).

EBSCOhost Basic Search (**video guides**).
EBSCO eBooks Search (**video guides**).

IEEE Xplore Basic Search (**video guides**). More **video guides**.

SpringerLink Basic Search (**video guides**).

Web of Science (**video guides**).

Where to find help?
http://ktu.edu/en/library

Training
Video Guides
Exhibitions
Services
Premises
About Library
Suggest a Book
F.A.Q
Contacts

TRAINING SESSIONS AT KTU LIBRARY

The training is provided to teachers and students on the following themes:

- Library Information System (For PhD students);
- Library Information system and services
- Search strategy at the Library;
- Information search in the Library E-catalogue and KTU Virtual Library;
- Search and ordering publications in the E-catalogue;

Welcome to KTU Library

CENTRAL LIBRARY
K.Donelačio st. 20

MECHANICAL ENGINEERING AND DESIGN FACULTY LIBRARY
Studentų st. 56

CHEMICAL TECHNOLOGY FACULTY LIBRARY
Radvilėnų ave. 19

INFORMATICS FACULTY LIBRARY
Studentų st. 50

CIVIL ENGINEERING AND ARCHITECTURE FACULTY LIBRARY
Studentų st. 48

How to Find Information Resources for your Master Thesis / Course Paper?
(Technological and Physical Sciences)

aukse.patackiene@ktu.lt