

# Skoltech Library induction

Skoltech

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# Content



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  - E-books
3. Bibliographic databases and effective information search
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  - Citation and Referencing tools
5. Access
6. Learning commons-to-be

# Librarians



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# Library webpage

your main source  
of information  
about  
**EVERYTHING\***

The screenshot shows the Skoltech library webpage at [skoltech.ru/en/education/library/](http://skoltech.ru/en/education/library/). The page features a navigation menu with categories: ABOUT, ADMISSIONS, EDUCATION (highlighted), RESEARCH, INNOVATION, FACULTY, INDUSTRY, STUDENT LIFE, and COLLOQUIA. A sidebar on the left lists various resources, with 'Library' highlighted. The main content area is titled 'Library Resources' and includes a search section and a list of library databases.

1 → Skoltech  
Skolkovo Institute of Science and Technology

2 ↓

3 →

Founders Press Enquiries Join Staff Join Faculty Contact & Visit Us RU

f B YouTube Instagram

In collaboration with Massachusetts Institute of Technology MIT

ABOUT ADMISSIONS EDUCATION RESEARCH INNOVATION FACULTY INDUSTRY STUDENT LIFE COLLOQUIA

About Skoltech Education >  
MSc Studies >  
PhD Programs >  
PhD Research Seminars >  
Course Catalog >  
Schedule >  
Resources >  
**Library**  
Contacts

Home > Education > Library Resources

## Library Resources

### Single search

Start your search of papers from [Scopus](#).

Scopus is available from within the Skoltech network. To access Scopus remotely, you need to register your own Elsevier account using your Skoltech email address when you are on the Skoltech network at our [website](#).

### Library databases

Skoltech faculty, students and employees have direct access to the following databases:

#### Full text journal databases

- [ScienceDirect](#) – to access ScienceDirect you need to register your own Elsevier account using your Skoltech email address; do this at the [website](#) when you are on the Skoltech network.
- [Springer](#) – available within the Skoltech network. E-books from 2005-2017 and all full-text journals available.
- [IEEE](#) – available within the Skoltech network.
- [Wiley](#) – full journal collection is available within the Skoltech network.
- [Wiley](#) – available within the Skoltech network.

Arctic permafrost melting will aggravate the greenhouse effect

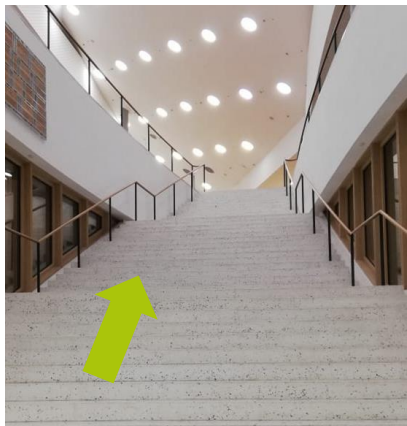
Machine Learning Summer School begins at Skoltech

German Minister of

\*books, digital resources, remote access

Where are we?

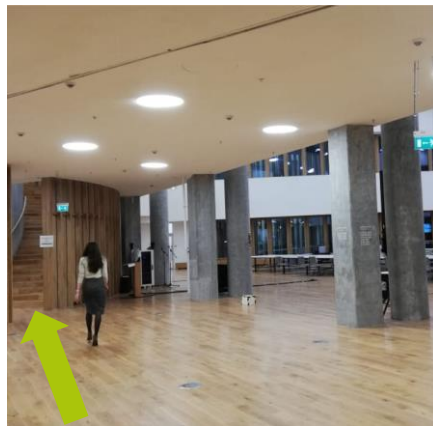
3015 - E- B2



Go up,



and straight,



take left,



take the stairs  
up.  
You made it

# What can you expect?

## 3015 - E- B2



**Textbooks for loan**



**Active learning zone for study**



**Help with digital resources  
(e.g. access, registration)**



**Help with locating papers and books**



**Training in digital resources and productivity tools available**



**Group study rooms you can book**

# Library books: textbooks for loan

Skoltech MA060023 (Term 2, 2019-2020) > Syllabus

2019-2020: Term 2

Home

Announcements

Assignments

Discussions

Grades

People

Pages

Files

Syllabus

Conferences

Collaborations

Chat

Google Drive

## Systems Engineering

[Jump to today](#)

The course introduces students to the fundamentals of systems engineering as an interdisciplinary approach and means to enable the realization of successful systems, as defined by the International Council of Systems Engineering. The course covers the entire spectrum of the lifecycle management of design, implementation, assembly-Integration and test (AIT), operational course for the Space and Engineering Systems students of Skoltech, including some parts of space systems engineering. The principles. The Systems Engineering course follows the systems engineering course includes a design project that is conducted throughout the term.

[Full Online Syllabus](#)

[Textbooks](#)

### Course summary:

Date	Details
Tue, 5 Nov 2019	PSet 1
Tue, 12 Nov 2019	PSet 2 - Part A

[View all pages](#)

## Textbooks

### Required reading:

- "INCOSE Systems Engineering Handbook" by Wiley (2015): [ebook](#) | [hardcopy](#)

# Library books: textbooks for loan

**Skoltech**

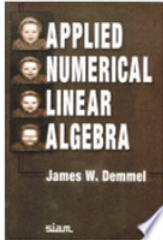
Skoltevo Institute of Science and Technology

Search Library catalog ▾

Skoltech library ▾ Go

[Advanced search](#) | [Authority search](#) | [Tag cloud](#)

[Home](#) > [Details for: Applied numerical linear algebra /](#)



Normal view | MARC view | ISBD view

## Applied numerical linear algebra /

By: [Demmel, James W.](#)

Publisher: Philadelphia : Society for Industrial and Applied Mathematics, c1997

Description: xi, 419 p.

ISBN: 0898713897 (pbk.).

Subject(s): [Algebras, Linear](#) | [Numerical calculations](#)

Online resources: [Click here to access online](#) | [Click here to access online](#)

Tags from this library: No tags from this library for this title.



Holdings ( 2 )

Title notes

Comments ( 0 )

Item type	Current location	Call number	Status	Due date	Item holds
Book	Skoltech library Shelves	QA184 ( <a href="#">Browse shelf</a> )	Checked out	11/2019	
Book	Skoltech library Shelves	QA184 ( <a href="#">Browse shelf</a> )	Available		

Total holds: 0

Catalog: <https://skoltech.koha-ptfs.eu/>\*

- Textbooks purchased for courses (if it is in a syllabus, we most likely have it)
- Check a number of items and availability

\* you can find this link on the library's webpage



# Library books: ebooks



## PRIORITY:

To provide students with ELECTRONIC FORMATS of course required materials

! out of 760 books requested, only 400 are available as e-books

EDUCATION

RESEARCH

INNOVATION

FACULTY

INDUSTRY

STUDENT LIFE

### Ebooks

[Full list](#) of Skoltech ebooks. Please note that some resources require prior registration.

- [Proquest](#) – to access Proquest, you need to register your own account using your Skoltech email address; do this while on the Skoltech network using the following [link](#).
- [Elsevier](#) – to access Elsevier ebooks, you need to register your own Elsevier account using your Skoltech email address; do this at the [website](#) when you are on the Skoltech network. A full list of **Elsevier Freedom Collection** books is available [here](#).
- [Springer](#) – available within the Skoltech network. E-books from 2005-2017 available.
- [Cambridge University Press](#) – available within the Skoltech network .
- [Ebsco eBook Collection](#) – within the Skoltech network.

# Library books: ebooks

Course	Book title	Ebook link
Methods for Enhanced Oil Recovery	Practical Heavy Oil Recovery by Farouq Ali, S.M.	<a href="http://evnment.free.fr/SACH-BOOKS/Petrochemistry/Practical%20Heavy%20Oil%20Recovery.pdf">http://evnment.free.fr/SACH-BOOKS/Petrochemistry/Practical%20Heavy%20Oil%20Recovery.pdf</a>
Geometrical Methods of Machine Learning	Principal Component Analysis. Jollie T.	<a href="http://oda.sysh.uu.se/statistical_learning_course/jolliffe%20-%20Principal%20Component%20Analysis%202ed.%20Springer%202002%5B1a.MVaa_.pdf">http://oda.sysh.uu.se/statistical_learning_course/jolliffe%20-%20Principal%20Component%20Analysis%202ed.%20Springer%202002%5B1a.MVaa_.pdf</a>
Multiphase Flow Modeling in Oilfield Services (Andrei Osipstov)	Pipe Flow 2: Multi-phase Flow Assurance	<a href="http://dgratand.com/PipeFlow2/index.html">http://dgratand.com/PipeFlow2/index.html</a>
Physics of Human Body	Textbook of Medical Physiology Guyton and Hall	<a href="http://libco.hacton.edu.cn/2012yxyshwfile/Textbook%20of%20Medical%20Physiology.pdf">http://libco.hacton.edu.cn/2012yxyshwfile/Textbook%20of%20Medical%20Physiology.pdf</a>
Foundations of Engineering Physics	Введение в статистическую радиофизику. Часть 1. Случайные процессы Рытов С.М. 2-е издание.	<a href="http://libco.hacton.edu.cn/2012yxyshwfile/Textbook%20of%20Medical%20Physiology.pdf">http://libco.hacton.edu.cn/2012yxyshwfile/Textbook%20of%20Medical%20Physiology.pdf</a>
Geometrical Methods of Machine Learning	Principal Manifolds for Data Visualization and Dimension Reduction. Gorban AN, Kegl B, Wunsch D, Zinovyev AY	<a href="http://oda.marol.ru/contentstext.htm">http://oda.marol.ru/contentstext.htm</a>
Large-Scale Optimization	Numerical Optimization , Jorge Nocedal, Stephen J. Wright	<a href="http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1045686&amp;site=ehost-live">http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1045686&amp;site=ehost-live</a>
Electrochemistry – Keith Stevenson	Electronic structure and the properties of solids Harrison W A	<a href="http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1154533&amp;site=ehost-live">http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1154533&amp;site=ehost-live</a>
	Modern Quantum Chemistry. Introduction to advanced electronic structure theory Attila Szabo, Neil S Ostlund	<a href="http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1154548&amp;site=ehost-live">http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1154548&amp;site=ehost-live</a>
Materials selection in design – Fardad Azami	Mechanical Behavior of Materials. N.E. Dowling.	<a href="http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1419776&amp;site=ehost-live">http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1419776&amp;site=ehost-live</a>
	Introduction to Computer Security	<a href="http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1418217&amp;site=ehost-live">http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1418217&amp;site=ehost-live</a>
Signal and Image Processing - Stamatiou Lefkimiatis	Discrete-time Signal Processing (3rd Edition), A. Oppenheim and R. Schaffer.	<a href="http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1419218&amp;site=ehost-live">http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1419218&amp;site=ehost-live</a>
	Introduction to Robotics: Mechanics and Control (3rd Edition), Craig, John J.	<a href="http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1418436&amp;site=ehost-live">http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1418436&amp;site=ehost-live</a>
	Nonlinear systems, Khalil, 3rd Ed ( , 2002	<a href="http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1418791&amp;site=ehost-live">http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1418791&amp;site=ehost-live</a>
	Technology Strategy for Managers and Entrepreneurs , Scott Shane	<a href="http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1418978&amp;site=ehost-live">http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1418978&amp;site=ehost-live</a>
Organic Materials for Electronics, Photonics, Energy Generation and Storage – Pavel Troshin	Solid State Electronic Devices by B. G. Streetman and S. K. Banerjee	<a href="http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1419255&amp;site=ehost-live">http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1419255&amp;site=ehost-live</a>
Eugene Erhan for Masterskaya	Feedback Control of Dynamic Systems Global Edition by Gene F. Franklin, J Powell, Abbas Emami-Naeini.	<a href="http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1419282&amp;site=ehost-live">http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1419282&amp;site=ehost-live</a>
	Linear Algebra and Its Applications, 4th Edition, David C. Lay	<a href="http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1419811&amp;site=ehost-live">http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1419811&amp;site=ehost-live</a>
	Artificial Intelligence. A modern approach . Stuart Russell, Peter Norvig	<a href="http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1419715&amp;site=ehost-live">http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1419715&amp;site=ehost-live</a>
	Optics, 4th ed., E. Hecht	<a href="http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1419933&amp;site=ehost-live">http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1419933&amp;site=ehost-live</a>
	The Death of Expertise: The Campaign Against Established Knowledge and Why It Matters Tom Nichols	<a href="http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1450726&amp;site=ehost-live">http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1450726&amp;site=ehost-live</a>
Innovation Workshop (Dmitry Kulish)	Innovating: A Doer's Manifesto for Starting from a Hunch, Prototyping Problems, Scaling Up, and Learning to Be Productively Wrong ( ) by Luis Perez-Breva.	<a href="http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1470946&amp;site=ehost-live">http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1470946&amp;site=ehost-live</a>
	DNA Topology (Oxford Bioscience)	<a href="http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1493406&amp;site=ehost-live">http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1493406&amp;site=ehost-live</a>
Energy Systems (Physics) & Technology (Aldo Bisch)	Gas Turbine Theory	<a href="http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1431278&amp;site=ehost-live">http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1431278&amp;site=ehost-live</a>
	Finding fertile ground , Dr. Scott A. Shane	<a href="http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1700026&amp;site=ehost-live">http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=1700026&amp;site=ehost-live</a>
Structure and Properties of Materials	Properties of Materials, Newnham, Robert E	<a href="http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=208558&amp;site=ehost-live">http://search.ebscohost.com/login.aspx?direct=true&amp;db=nlbk&amp;AN=208558&amp;site=ehost-live</a>

# Library books: ebooks



Books purchased for courses



Books purchased for courses  
+ ALL books dated 2005-2010, 2018  
~ 60 000 e-books

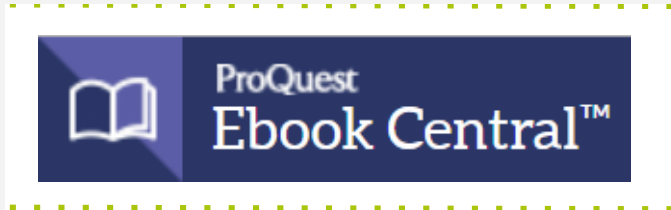


Books purchased for courses



Books purchased for courses  
+ Elsevier Freedom e-books collection  
~ 6 000 e-books (link to a full list is on the webpage)

# Attn:



This website requires you to  
**create an account**

! Your Skoltech credentials **will NOT** work

Create an account - use your **@skoltech.ru** email

PERFECT!

Now go get that book!

# Bibliographic databases and effective information search



Muggles'  
scientific search

Scopus

Document search



REAL  
scientific search

Web of Science

Documents  Authors  Affiliations

Search

*E.g., "Cognitive architectures" AND robots*



Select a database

Web of Science Core Collection

Basic Search

Author Search <sup>BETA</sup>

Cited Reference Search

Advanced Search

Example: oil spill\* mediterranean



# Bibliographic databases and effective information search

**Scopus** and **Web Of Science** are the major academic search engines. Both are available at Skoltech.

Scopus

Document search

Documents  Authors  Affiliations

Search

E.g., "Cognitive architectures" AND robots

Web of Science

Select a database Web of Science Core Collection

Basic Search

Author Search <sup>BETA</sup>

Cited Reference Search

Advanced Search

Example: oil spill\* mediterranean

# Attn:

Seminar is coming up

“Scopus and ScienceDirect in your scientific research”

Tentatively - beginning of December

For more information email [library@skoltech.ru](mailto:library@skoltech.ru)

Scopus

Document search

Documents  Authors  Affiliations [Advanced](#)

Search

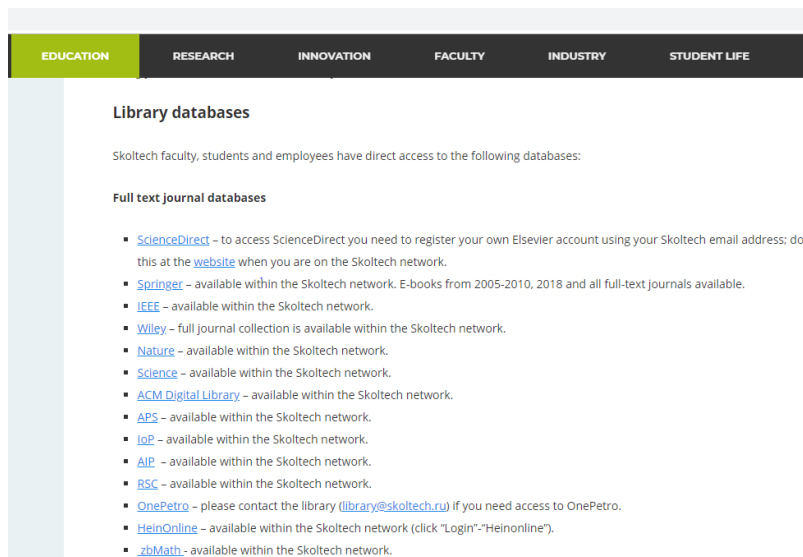
E.g., "Cognitive architectures" AND robots



ScienceDirect

# Electronic databases

- 14 full text journal databases
- 3 materials databases
- 1 dissertations & theses database
- 1 protocols and methods database
- 1 patent database



**EDUCATION** RESEARCH INNOVATION FACULTY INDUSTRY STUDENT LIFE

### Library databases

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- [IEEE](#) – available within the Skoltech network.
- [Wiley](#) – full journal collection is available within the Skoltech network.
- [Nature](#) – available within the Skoltech network.
- [Science](#) – available within the Skoltech network.
- [ACM Digital Library](#) – available within the Skoltech network.
- [APS](#) – available within the Skoltech network.
- [IOP](#) – available within the Skoltech network.
- [AIP](#) – available within the Skoltech network.
- [RSC](#) – available within the Skoltech network.
- [OnePetro](#) – please contact the library ([library@skoltech.ru](mailto:library@skoltech.ru)) if you need access to OnePetro.
- [HeinOnline](#) – available within the Skoltech network (click "Login"- "Heinonline").
- [zbMath](#) – available within the Skoltech network.



ProQuest Dissertations & Theses Global



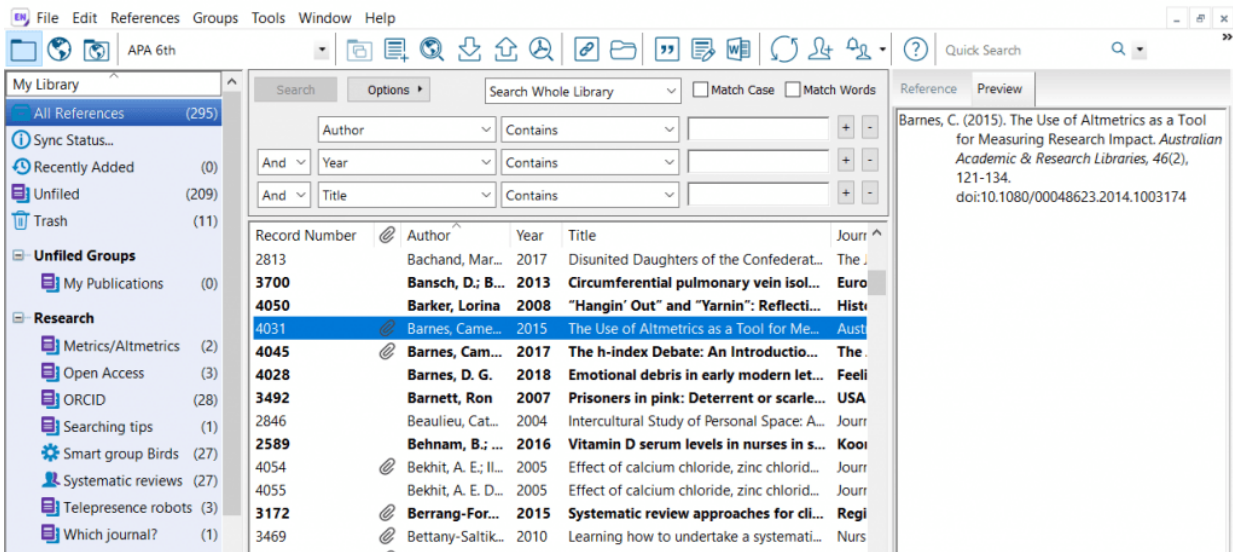
# Bibliography managing tools



## EndNote\*

is bibliographic referencing software.

It allows you to put together a library of references, and insert those into your Microsoft Word document (for example, a thesis or assignment).



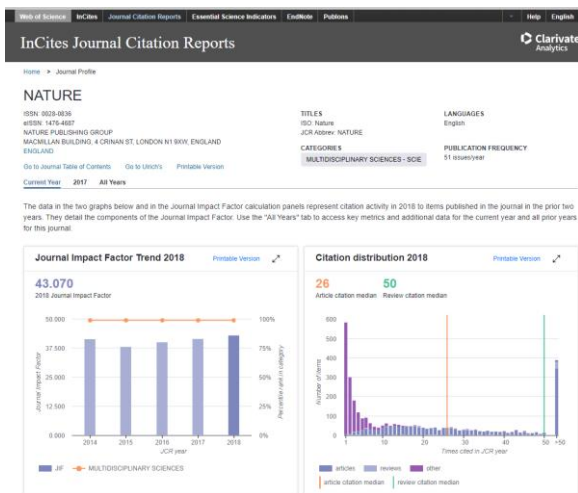
Other applications with similar functionality are [Zotero](#), and [Mendeley](#)



\*To get a licensed version go to [help.skoltech.ru](http://help.skoltech.ru) => IT Helpdesk => Software request

# Analytical tools

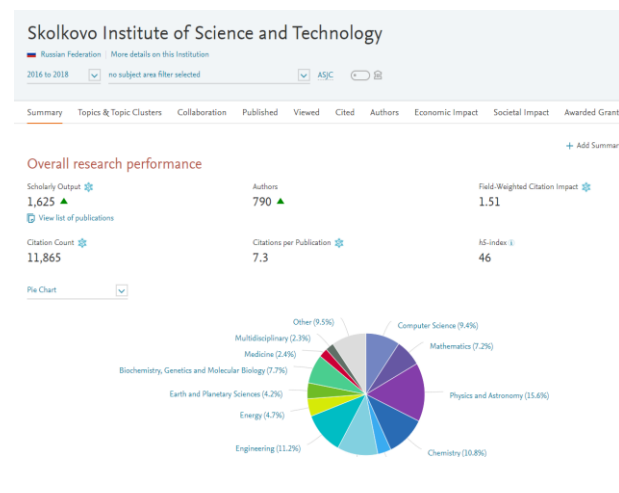
**WoS Journal Citation Reports (JCR)** to get impact factors and rankings of multiple journals



**WoS Essential Science Indicators (ESI)** to identify top-performing research and emerging science trends based on publication and citation performance



**SciVal** to visualize organisational research performance, benchmark relative to peers and collaborative partnerships; to analyze research trends



# ! Access to resources !

Scenario 1:  
on-campus



**NB:**

1. VPN apps must be off
1. Links' domains must be correct
1. Some providers require separate authorization (i.e. cipher, one petro) - email librarians

# ! Access to resources !

## Scenario 2: Remote access



### Off-Campus access to library resources (outside the Skoltech network)

To access Skoltech library resources from outside the Skoltech network, please follow the [link](#) and log into the system using your Skoltech account credentials.

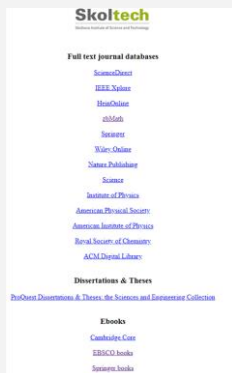
**Skoltech**  
Skolkovo Institute of Science and Technology

To gain access please log in with you Skoltech account.

Please enter your username :

Please enter your password :

If you have any trouble, please contact [Skoltech Helpdesk](#).



### Your connection is not private

Attackers might be trying to steal your information from **idp.nature.com.proxylib.skoltech.ru** (for example, passwords, messages or credit cards). [Learn more](#)

NET::ERR\_CERT\_COMMON\_NAME\_INVALID

Help improve Chrome security by sending [URLs of some pages that you visit](#), [limited system information](#) and [some page content](#) to Google. [Privacy Policy](#)

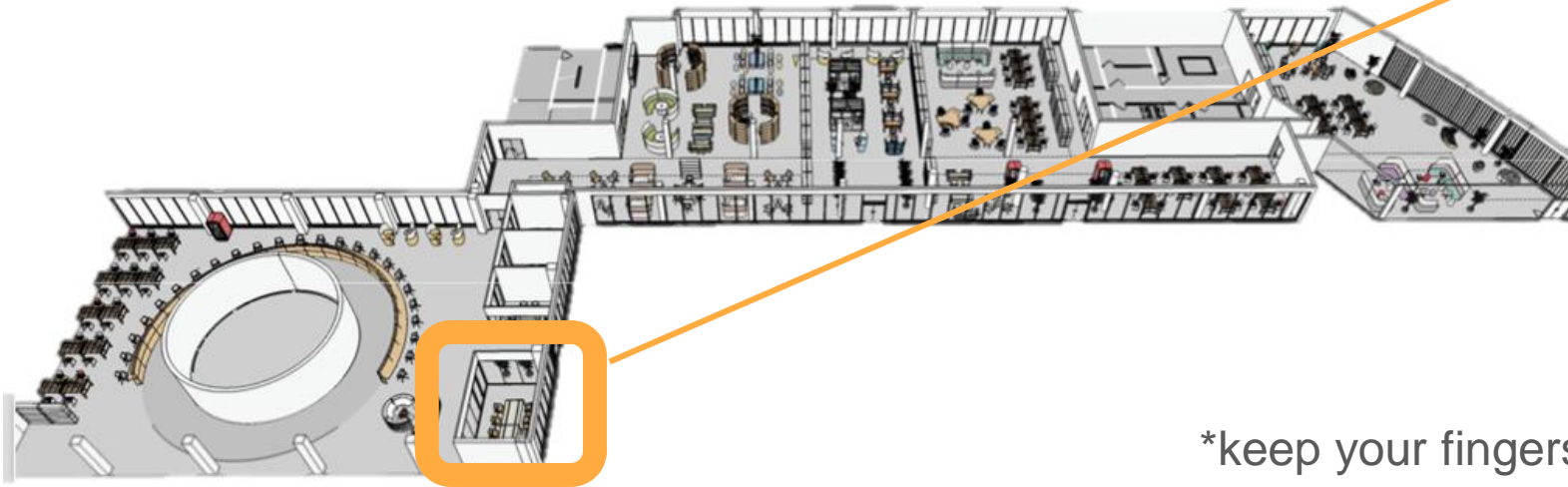


# COMING SOON

In the nearest future: 1200 sq. m.

Accessible 24/7

Opening: **end of 2019\***

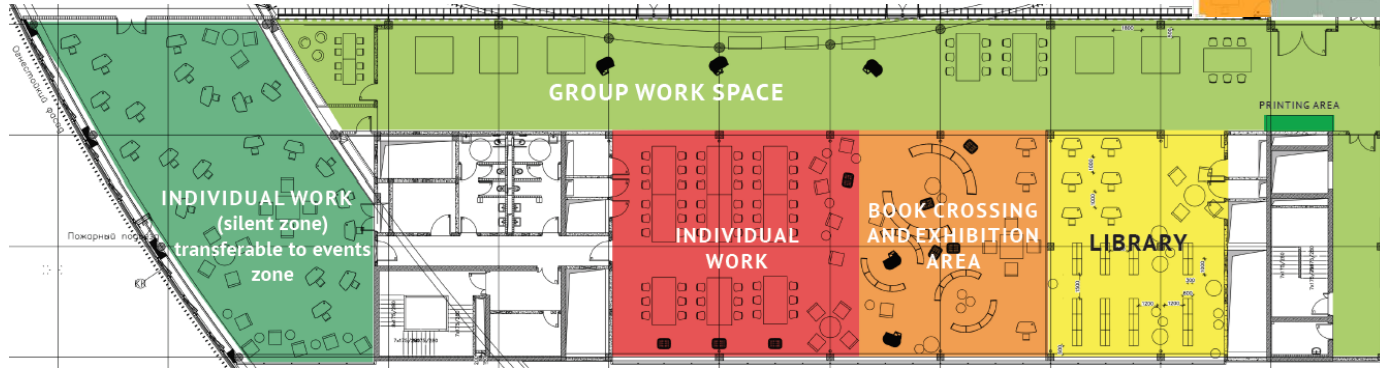


\*keep your fingers crossed

# COMING SOON

## Zoning

- Lounge seating
- Individual work
- Group work
- Silent zone transferable to Events zone
- Book-crossing and exhibition area
- Library



## Capacity:

172 study seats (0,11/FTE)

3 private group meeting rooms

11 open group meeting points