

# Scientific databases and information skills

Faculty of Electronics, Telecommunications and Informatics, and  
Faculty of Electrical and Control Engineering

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This training is designed for the first year PhD students to ensure that all students will acquire advanced information skills at the start of their doctoral studies and continue to develop as a well-rounded researcher. The training covers a range of important areas such as: finding academic journals literature, using and evaluating information for academic studies, exploring the tools that enable scholars to keep track of information and academic research published through different channels, publishing models and evaluation research practices.

The programme is divided into several parts, and has a modular structure with seven modules in total. All modules are compulsory.

<b>Module 1</b>	Using of the e-resources (terms and conditions) at Gdansk University of Technology; on and off-site access; trials; A-Z list; Polish Standards.
<b>Module 2</b>	Formulating the search topic and creating an initial search strategy; establishing useful keywords; identifying relevant resources; search strategy; evaluating results.
<b>Module 3</b>	Subject full - texts databases for Electrical and Control Engineering (ACM, ASME Digital Library, Cambridge Journals, Ebsco, Elsevier Science Direct, Emerald Engineering eJournal Collection, IEEE, IET INSPEC, Ibuk Libra, Knovel, Nature and Science, Oxford Journals, Springer, Wiley); Abstracting & Indexing databases (Web of Science, Scopus).
<b>Module 4</b>	Open Access publishing and databases (arXiv, DOAJ, DOAB, BazTech, DartEurope, Hindawi Publishing, InTech Open Access); Google Scholar.
<b>Module 5</b>	Sharing and publishing scientific results; publications' models; copyright basis; copyright policies & self-archiving; indexing articles in databases and Google Scholar - Academic Search Engine Optimization.
<b>Module 6</b>	Measuring research impact; List of the Ministry's scored journals; Journal Citation Reports database; selected journals indicators for scientific evaluation such as Impact Factor; identifying citation metrics, such as the h-index in Web of Science, Scopus and Google Scholar.
<b>Module 7</b>	Session on acquiring and using reference management software such as Mendeley or Zotero; Academic social networks for example Research Gate; using social media in academic research.