



# **Raising efficiency and effectiveness in scholarly communication – example of the Bridge of Knowledge platform from Gdańsk University of Technology**

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## Scholarly communication

- **Scholarly communication** is in transition mode. The publishing environment is changing in many different ways, as new concepts and models are replacing the traditional forms of doing research and publishing (Baykoucheva, 2022)
- **Scholarly communication** activities are highlighting its complexity (Baffy et al., 2020).
- Scholarly communication in the times of „**publish or perish**” culture
- Scholarly communication in the times of „**culture of speed**”
- **Scholarly communication** as a part of scientific excellence





## The Bridge of Knowledge platform and Open Science Competence Center

- **2016** - Multidisciplinary Open System Transferring Knowledge. The acronym of its name in the Polish language is „MOST Wiedzy”, which means „the bridge of knowledge”. **The goal of the ‘Bridge of Knowledge’ project was/is to increase the availability, consistency and re-use of scientific resources.**
- **2018** - ‘Bridge of Data. Multidisciplinary Open Knowledge Transfer System – stage II: Open Research Data’. **The goal of the ‘Bridge of Data’ project is to design and build a platform that allows collecting, searching, analyzing and sharing open research data and to provide it with unique data collected from the three most important Pomeranian universities: Gdańsk University of Technology, Medical University of Gdańsk and the University of Gdańsk.**
- **2018** - Open Science Competence Center (OSCC) – part of Bridge of Data Project. **One of the main aims of the OSCC is to provide academic community with the necessary skills and broad competencies they need to perform Open Science effectively.**



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### Your knowledge portal!

Our infrastructure composed of a CRIS system, repositories (publications, OA publications, and research data), and services that support scholarly practices let us establish a platform for managing and promoting scientific output.

<https://mostwiedzy.pl/en/>

The screenshot shows the homepage of the MOST WIEDZY knowledge portal. At the top, the logo features a stylized mountain range and the text "MOST WIEDZY your knowledge portal". Below this is a search bar with the placeholder text "what are you looking for?" and a search icon. To the right of the search bar, the text "everywhere" is followed by a dropdown arrow and a magnifying glass icon. A large teal banner with a white dashed line on the right side contains the "DIGITAL PATHOLOGY" logo, which includes a stylized microscope icon. Below the banner, the text "Browse knowledge catalog:" is centered. The main content area is organized into a grid of categories:

- Research Infrastructure:** Research Teams, Research Equipment, Laboratories.
- Ministry points:** Journals, Publishing Houses, Conferences.
- Scientific activity:** People, Projects, Inventions.
- Repositories:** Publications, Repository Open Access, Open Research Data.
- Others:** e-Learning Courses, Events, Digital Pathology.



## Library services in terms of scholarly communication (examples)

creation, publication, dissemination, bibliometrics  
and discovery of academic research

cross-checking requirements of Plan S, Publishers,  
and grant funders

writing and evaluating Data Management Plans

training and supporting (Open Science and  
Information Skills)

legal issues, working groups, networking



## Scientific profile



what are you looking for?

people

Main Page > People > S > Jakub Szulwic > Profile



### dr inż. Jakub Szulwic

#### Employment

Adiunkt at [Department of Geodesy](#)  
Prodziekan ds. badań i rozwoju at [Faculty of Civil and Environmental Engineering](#)

#### Research fields

- Geodesy
- Photogrammetry
- Remote Sensing
- Lidar
- Terrestrial Laser Scanning
- Geoscience
- Civil Engineering
- Geoinformatics
- Geomatics

- Profile**
- Biographical note
- Publications (105)
- Achievements (9)
- Organizations (39)
- Projects (2)
- Teaching (292)
- Research Infrastructure (4)
- Reviews
- Research data (4)

#### Social media

- Google Scholar
- Research Gate
- Mendeley
- Orcid
- Scopus
- ResearcherID

#### Publication showcase

- [MARITIME LASER SCANNING AS THE SOURCE FOR SPATIAL DATA](#)  
P. Burdziakowski, A. Janowski, A. Kholodkov, K. Matysik, M. Matysik, M. Przyborski, J. Szulwic, P. Tysiąc, A. Wojtkowicz - *Polish Maritime Research* - 2015  
The rapid development of scanning technology, especially mobile scanning, gives the possibility to collect spatial data coming from maritime measurement platforms and autonomous manned or unmanned vehicles. Presented solution is derived from the mobile scanning. However we should keep in mind that the specificity of laser scanning at sea and processing collected data should be in the form acceptable in Geographical Information...  
Full text available
- 
- [Remote sensing and photogrammetry techniques in diagnostics of concrete structures](#)  
A. Janowski, K. Nagrodzka-Godycka, J. Szulwic, P. Zieliński - *Computers and Concrete* - 2016  
Recently laser scanning technologies become widely used in many areas of the modern economy. In the following paper authors show a potential spectrum of use Terrestrial Laser Scanning (TLS) in diagnostics of reinforced concrete elements. Based on modes of failure analysis of reinforcement concrete beam authors describe downsides and advantages of adaptation of terrestrial laser scanning to this purpose, moreover reveal under which...  
Full text in external service

<https://mostwiedzy.pl/en/jaku-b-szulwic,19695-1>



## Our advantages and further developments

- Developing an infrastructure based on our software gives us many possibilities and flexibility in the solutions used
- Our team react dynamically to changes in science communication (e.g. Plan S)
- Excellent cooperation with IT team, HR Center and other stakeholders allows for the introduction of innovations and new services and improves already adopted solutions
- More to go such as: Legal Knowledge Hub or DMPs database.



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**Thank you for your attention!**



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