

# doc. Ing. Miloslav Hub, Ph.D.

*Associate Professor of Systems Engineering and Informatics*

University of Pardubice · Faculty of Economics and Administration  
Institute of System Engineering and Informatics

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WoS: I-4730-2018

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## Professional Profile

Associate professor and researcher in applied informatics, focusing on cybersecurity, information systems, HCI and human factors in digital environments. The research connects the technical quality of systems with how people perceive risk, use digital services, and make decisions under real-world conditions. Current work focuses particularly on security behavior in public Wi-Fi networks, explainable adaptive mechanisms, information systems evaluation, and the responsible use of AI.

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|---------------------|----------------------------------------------------------------------------|
| Current position    | Associate Professor, University of Pardubice (since 2013)                  |
| Academic experience | 20+ years                                                                  |
| Publication record  | 100+ publications                                                          |
| Key areas           | Cybersecurity · information systems · HCI · human factors · responsible AI |

## Academic Appointments

**2013–present** Associate Professor — University of Pardubice

**2004–2013** Assistant Professor — University of Pardubice

## Education and Academic Qualifications

**2013** Habilitation (doc.) — Systems Engineering and Informatics — Faculty of Economics and Administration, University of Pardubice

**2005** Ph.D. — Informatics in Public Administration — Faculty of Economics and Administration, University of Pardubice

**2002** Ing. — Transport Management, Marketing and Logistics — Jan Perner Transport Faculty, University of Pardubice

## Research Interests

- Cybersecurity and user behavior: authentication, risk perception, public Wi-Fi networks, and the gap between knowledge and actual behavior.
- Evaluation of information systems and digital services: quality, usability, benefits, and risks in organizations and public administration.
- HCI, human factors, and responsible AI: trust, explainability, adaptive technologies, and appropriate human oversight.
- Methods: user studies, experiments, surveys, statistical and multi-criteria methods, fuzzy logic, and modeling.

## Selected Projects

**2023–2027** Usability and acceptability of novel security approaches — COST Action · Management Committee

**2023–2025** Building a system and capacity for effective transfer of research and development results into practice at the University of Pardubice — co-investigator

**2023** Current challenges in improving the quality of public administration information systems — principal investigator

**2022** Tools and methods for improving the quality of public administration information systems — principal investigator

**2021** Improving the quality of public administration information systems — principal investigator

Additional project involvement dates back to 2003 and includes internal, national, and international projects in information systems, security, and digital transformation.

## Academic Leadership and Professional Service

- Chair of the Doctoral Program Board for Applied Informatics at the Faculty of Economics and Administration, University of Pardubice (since 2016).
- Associate Editor / Editorial Board Member of Acta Informatica Pragensia; area: Public Administration Informatics.
- Member of faculty scientific boards at the University of Pardubice and the University of Hradec Králové.
- Involvement in university cybersecurity governance, as well as editorial and peer-review activities for scholarly journals in applied informatics, information systems, and cybersecurity.

## Teaching and Supervision

- Teaching in information systems, cybersecurity, HCI, and web technologies.
- Supervision of bachelor's, master's, and doctoral theses.
- Emphasis on independence, methodological rigor, transparent data interpretation, and practical relevance of results.
- International collaboration in doctoral education and scholarly publishing.

## Selected Publications

2026 Hub, M. **Enhancing Usability Evaluation with Fuzzy Logic.** *Journal of Systems and Software*.

2026 Mesić, T., & Hub, M. **Data Science Framework for Adaptive Expert Systems: Psychological Profiling and Knowledge Fusion in Higher Education.** *Acta Informatica Pragensia*, 15(1), 36–53.

2024 Febiri, F., Gariba, M. I., Hub, M., & Provazníková, R. **The synergy between human factors, public digitalization and public administration in the European context.** *Journal of Open Innovation: Technology, Market, and Complexity*, 10(4), 100424.

2024 Kopáčková, H., & Hub, M. **Usability evaluation for the IoT use in enhanced living environments.** *Internet of Things: Architectures for Enhanced Living Environments.* Academic Press.

2021 Lněnička, M., Máchová, R., Volejníková, J., Linhartová, V., Kněžáčková, R., & Hub, M. **Enhancing transparency through open government data: The case of data portals and their features and capabilities.** *Online Information Review*, 45(6), 1021–1038.

2020 Příhodová, K., & Hub, M. **Hand-Based Biometric System Using Convolutional Neural Networks.** *Acta Informatica Pragensia*, 9(1), 48–57.

Full publication list: [www.miloslavhub.cz/publikace](http://www.miloslavhub.cz/publikace)

## Academic Profiles and Identifiers

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|--------------------|------------------------------------------------------------------|
| ORCID              | 0000-0002-3167-0918                                              |
| Scopus Author ID   | 8503983100                                                       |
| Web of Science     | I-4730-2018                                                      |
| Google Scholar     | profile available via miloslavhub.cz                             |
| University Profile | <a href="http://www.upce.cz/user/6458">www.upce.cz/user/6458</a> |

## Contact

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