

Extensive teaching at university levels: Bachelor/Master:

- Databases (in two parts) (lectures and lab classes in English and Ukrainian at Bachelor level)
- Data Models and Structures (lectures and lab classes in English and Ukrainian at Bachelor level)
- Design and Development of Databases (lectures and lab classes in English and Ukrainian at Bachelor level)
- Startup Business Models (lectures and lab classes in English and Ukrainian at Bachelor level)
- Startup Business Analytics (lectures and lab classes in English and Ukrainian at Bachelor level)

FIELDS OF RESEARCH INTEREST:

- Business Process Management
- Enterprise Architecture, Software Architecture
- Business Intelligence
- Databases, Data Warehouses

SUMMARY OF CAREER ACHIEVEMENTS

- Prepared and published more than 60 research papers and textbooks (Google Scholar: <https://scholar.google.com/citations?user=B8fggLEAAAAJ>; ORCID: <https://orcid.org/0000-0002-3189-5623>; Scopus: <https://www2.scopus.com/authid/detail.uri?authorId=57202887287>; Web of Science: <https://www.webofscience.com/wos/author/record/T-4283-2018>)
- Guarantor of the professionally-oriented educational programme “Computer Science and Intelligent Systems”, first (bachelor’s) level
- By the decision of the Academic Council of NTU "KhPI" dated 28.10.2022, awarded the academic title of Associate Professor of the Department of Software Engineering and Management Intelligent Technologies
- Scientific Secretary of the Specialized Academic Council D 64.050.20 of NTU “KhPI” (<http://blogs.kpi.kharkov.ua/v2/vr/d-64-050-20>)

PROFESSIONAL MEMBERSHIPS:

- Full member of the Public Organization "Ukrainian Scientific and Educational IT Society" (2019 to present, certificate №19-00020FS), Ukraine

RELATED PUBLICATIONS

Books

- Orlovskiy, D., Kopp, A. An Information Technology for Detection and Fixing Effort Estimation of Business Process Model Structuredness Errors. Communications in Computer and Information Science, 2022, 1698, pp. 127-152. https://link.springer.com/chapter/10.1007/978-3-031-20834-8_7
- Orlovskiy, D., Kopp, A. An Approach to Business Process Model Structuredness Analysis: Errors Detection and Cost-Saving Estimation. Communications in Computer and Information Science, 2022, 1635, pp. 23-39. https://link.springer.com/chapter/10.1007/978-3-031-14841-5_2
- Kopp, A., Orlovskiy, D. Towards the Method and Information Technology for Evaluation of Business Process Model Quality. In: Bollin A. et al. (eds) ICTERI 2020. Communications in Computer and Information Science, 2021, 1308, pp. 93-118. https://link.springer.com/chapter/10.1007/978-3-030-77592-6_5
- Kopp, A., Orlovskiy, D. Intelligent Support of the Business Process Model Analysis and Improvement Method. In: Ermolayev V. et al. (eds) ICTERI 2019. Communications in Computer and Information Science, 2020, 1175, pp. 111–135. https://link.springer.com/chapter/10.1007/978-3-030-39459-2_6

Papers

- Kopp, A., Orlovskiy, D. Towards the Software Solution for Complexity Minimization of Business Process Models to Improve Understandability. CEUR Workshop Proceedings, 2023, 3426, pp. 274-286. <https://ceur-ws.org/Vol-3426/paper22.pdf>
- Kopp, A., Orlovskiy, D. Computational Technology and Software Tool for Translation of Business Rules into Database Creation Scripts. CEUR Workshop Proceedings, 2023, 3396, pp. 531-545. <https://ceur-ws.org/Vol-3396/paper40.pdf>
- Kopp, A., Orlovskiy, D. Towards Intelligent Technology for Error Detection and Quality Evaluation of Business Process Models. CEUR Workshop Proceedings, 2023, 3373, pp. 1-14. <https://ceur-ws.org/Vol-3373/keynote1.pdf>
- Kopp, A., Orlovskiy, D. Towards the Enterprise Architecture Web Mining Approach and Software Tool. CEUR Workshop Proceedings, 2023, 3347, pp. 256-268. https://ceur-ws.org/Vol-3347/Paper_22.pdf
- Kopp, A., Orlovskiy, D., Orekhov, S. Towards Understandability Evaluation of Business Process Models using Activity Textual Analysis. CEUR Workshop Proceedings, 2022, 3312, pp. 200-211. <https://ceur-ws.org/Vol-3312/paper17.pdf>
- Kopp, A., Orlovskiy, D. An Approach and a Software Tool for Automatic Source Code Generation driven by Business Rules. CEUR Workshop Proceedings, 2022, 3171, pp. 338-353. <http://ceur-ws.org/Vol-3171/paper28.pdf>
- Kopp, A., Orlovskiy, D. Towards the Tokenization of Business Process Models using the Blockchain Technology and Smart Contracts. CEUR Workshop Proceedings, 2022, 3137, pp. 274-287. <http://ceur-ws.org/Vol-3137/paper23.pdf>
- Kopp, A., Orlovskiy, D., Orekhov, S. Towards an Approach to Organization of Decentralized Business Process Model Repository. CEUR Workshop Proceedings, 2022, 3132, pp. 186-197. http://ceur-ws.org/Vol-3132/Paper_18.pdf
- Kopp, A., Orlovskiy, D., Orekhov, S. An Approach and Software Prototype for Translation of Natural Language Business Rules into Database Structure. CEUR Workshop Proceedings, 2021, 2870, pp. 1274-1291. <http://ceur-ws.org/Vol-2870/paper94.pdf>
- Orlovskiy, D., Kopp, A., Bilous I. An Approach to Development of Interactive Adaptive Software Tool to Support Data Analysis Activity. CEUR Workshop Proceedings, 2021, 2864, pp. 272-286. <http://ceur-ws.org/Vol-2864/paper24.pdf>
- Orlovskiy, D., Kopp, A. A business intelligence dashboard design approach to improve data analytics and decision making. CEUR Workshop Proceedings, 2021, 2833, pp. 48–59. http://ceur-ws.org/Vol-2833/Paper_5.pdf
- Kopp, A., Orlovskiy, D. Towards the generalized criterion for evaluation of business process model quality. CEUR Workshop Proceedings, 2020, 2791, pp. 19–30. <http://ceur-ws.org/Vol-2791/2020200019.pdf>
- Orlovskiy, D., Kopp, A. Enterprise Architecture Modeling Support based on Data Extraction from Business Process Models. CEUR Workshop Proceedings, 2020, 2608, pp. 499–513. <http://ceur-ws.org/Vol-2608/paper38.pdf>
- Kopp, A., Orlovskiy, D. A method for business process model analysis and improvement. CEUR Workshop Proceedings, 2019, 2403. <http://ceur-ws.org/Vol-2403/paper1.pdf>