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### **PROFESSIONAL AND ACADEMIC POSITIONS:**

2006 to current Associate Professor, Department of Software Engineering and Information Technology Management, Faculty of Computer Science and Software Engineering, National Technical University "Kharkiv Polytechnic Institute";  
1996-2006 Senior Lecturer, Department of Automated Control Systems, National Technical University "Kharkiv Polytechnic Institute";  
1994-1996 Assistant, Department of Automated Control Systems, Kharkiv State Polytechnic University;  
1993-1994 Software engineer of the 1st category; Center of New Information Technologies, Kharkiv Polytechnic Institute, Kharkiv, Ukraine  
1991-1992 Junior Scientist of Department of Automated Control Systems, Kharkiv Polytechnic Institute, Kharkiv, Ukraine  
1990 Head of laboratory of Department of Automated Control Systems, Kharkiv Polytechnic Institute, Kharkiv, Ukraine  
1989-1990 Engineer of Department of Automated Control Systems, Kharkiv Polytechnic Institute, Kharkiv, Ukraine  
1988-1989 Intern Lecturer of Department of Automated Control Systems, Kharkiv Polytechnic Institute, Kharkiv, Ukraine

### **EDUCATION:**

Ph.D. (Technical) (May, 2005) National Technical University "Kharkiv Polytechnic Institute", Kharkiv, Ukraine  
Specialization: Automated Control Systems  
Specialist Degree (Automated Control Systems, 5,5 years, Honors Diploma) (February, 1988) Kharkiv Polytechnic Institute, Kharkiv, Ukraine

### **COURSES TAUGHT**

Extensive teaching at all university levels: Bachelor/Master/PhD:

- Databases (in 2 parts) (in Ukrainian, for Bachelor level);
- Architecture and Design of Software (in 2 parts) (in Ukrainian, for Bachelor level);
- Enterprise Architecture Management (in Ukrainian, for Master level);
- IT- infrastructure (in Ukrainian, for Master level);
- Modeling and Analysis of Business Processes (in Ukrainian, for Master level);
- Databases and DataWareHouses (in Ukrainian, for Master level);
- BI-technologies (in Ukrainian, for Master level);
- Engineering and Reengineering of Complex Systems (in Ukrainian, for PhD 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 100 research papers, textbooks and monographs in Information Technologies and Management (<https://scholar.google.com/citations?user=bvEPOtYAAAAJ&hl=ru>, <https://www2.scopus.com/authid/detail.uri?authorId=57202894400>, <https://orcid.org/0000-0002-8261-2988>);
- Encouraged and empowered staff to develop their careers and reach their full potential (e.g. through coaching 1 PhD student in Information Technology, 1 got their PhD degree);
- Vice-dean of Computer Science and Software Engineering Faculty of National Technical University "Kharkiv Polytechnic Institute" (2017 to current), vice-dean of Informatics and Management Faculty of National Technical University "Kharkiv Polytechnic Institute" (2005-2017).

## **PROFESSIONAL MEMBERSHIPS:**

- Full member of the public organization "Ukrainian Scientific and Educational IT Society", Certificate № 19-00064 FS.

## **RELATED PUBLICATIONS**

### **Books**

1 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](https://link.springer.com/chapter/10.1007/978-3-030-77592-6_5)

2 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](https://link.springer.com/chapter/10.1007/978-3-030-39459-2_6)

3 Orlovskiy DL Business processes of enterprise: modeling, analysis, improvement: training manual. Part 1. Modeling of business processes: methods and tools / D.L. Orlovskiy. - Kharkiv: NTU "KhPI", 2018. - 336 p. Recommended by the Academic Council of NTU "KhPI" as training manual for students in the field of knowledge 12 - "Information Technologies" in the specialty 122 - "Computer Science and Information Technologies", protocol № 11 from 22.12.2017

4 Orlovskiy DL Business processes of enterprise: modeling, analysis, improvement: training manual. Part 2. Business processes: analysis, management, improvement / D.L. Orlovskiy. - Kharkiv: NTU "KhPI", 2018. - 433 p. Recommended by the Academic Council of NTU "KhPI" as training manual for students in the field of knowledge 12 - "Information Technologies" in the specialty 122 - "Computer Science and Information Technologies", protocol № 11 from 22.12.2017

### **Papers**

1 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>

- 2 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>
- 3 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](http://ceur-ws.org/Vol-2833/Paper_5.pdf)
- 4 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>
- 5 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>
- 6 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>
- 7 Kopp, A., Orlovskiy, D. An approach to forming dashboards for business process indicators analysis using fuzzy and semantic technologies. CEUR Workshop Proceedings, 2018, 2122, pp. 1–7. [http://ceur-ws.org/Vol-2122/paper\\_11.pdf](http://ceur-ws.org/Vol-2122/paper_11.pdf)
- 8 Godlevskiy, M., Orlovskiy, D., Kopp, A. Structural analysis and optimization of IDEF0 functional business process models. Radio Electronics Computer Science Control, 2018, 3, pp. 48-56. <http://ric.zntu.edu.ua/article/view/149532>