

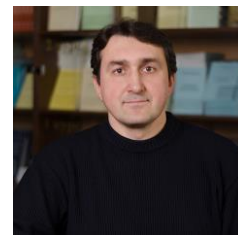
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**Nationality**                       **Ukraine**

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**PROFESSIONAL AND ACADEMIC POSITIONS:**

2004 – to current Associate Professor, Department Software Engineering and Management Information Technologies, National Technical University "Kharkiv Polytechnic Institute";

2001 – 2004 Senior Lecturer, Department of Automated Control Systems, National Technical University "Kharkiv Polytechnic Institute";

1997 – 2001 Assistant, Department of Automated Control Systems, Kharkiv State Polytechnic University;

**EDUCATION:**

Ph.D. (Technical) (December, 2001) National Technical University "Kharkiv Polytechnic Institute", Kharkiv, Ukraine  
Speciality: 05.13.06 – Information Technologies

Master’s Degree (Accounting and Bookkeeping, 5 years, Honors Diploma) (June, 2000) Kharkiv State Economic University, Kharkiv, Ukraine  
Concentrations: Master of Business Administration

Engineer’s Degree (Information Management Systems and Technologies, 5 years, Honors Diploma) (June, 1997) Kharkiv State Polytechnic University, Kharkiv, Ukraine  
Concentrations: Engineer-Systems Analyst

**COURSES TAUGHT**

Extensive teaching at all university levels: Bachelor/Master:

- Information retrieving and semantic web (in English, Bachelor);
- Software testing (in English, Bachelor/Master);
- Internet of things (in English, Bachelor);

**FIELDS OF RESEARCH INTEREST:**

- Web intelligent systems;
- Search Engine optimization;
- Web programming;
- Data mining and Data warehousing.

**SUMMARY OF CAREER ACHIEVEMENTS**

- Prepared and published more than 30 research papers and textbooks (ORCID: <https://orcid.org/0000-0002-5040-5861>; Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57210618400>;

## **PROFESSIONAL MEMBERSHIPS:**

- Full member of the Public Organization "Ukrainian Scientific and Educational IT Society" (2019 to present), Ukraine

## **RELATED PUBLICATIONS**

### **Papers (Scopus)**

1. Orekhov, S., Malyhon, H., Goncharenko, T. Mathematical model of semantic kernel of WEB site // CEUR Workshop Proceedingsthis link is disabled, 2021, 2917, pp. 273–282.
2. Kopp, A., Orlovskyi, D., Orekhov, S. An approach and software prototype for translation of natural language business rules into database structure // CEUR Workshop Proceedingsthis link is disabled, 2021, 2870, pp. 1274–1291
3. Orekhov, S., Malyhon, H., Stratienko, N., Goncharenko, T. Software development for semantic kernel forming // CEUR Workshop Proceedingsthis link is disabled, 2021, 2870, pp. 1312–1322
4. Orekhov, S., Malyhon, H., Liutenko, I., Goncharenko, T. Using internet news flows as marketing data component // CEUR Workshop Proceedingsthis link is disabled, 2020, 2604, pp. 358–373
5. Godlevsky, M., Orekhov, S., Orekhova, E. Theoretical fundamentals of search engine optimization based on machine learning // CEUR Workshop Proceedingsthis link is disabled, 2017, 1844, pp. 23–32