



<b>Name</b>	Sergii Khutornenko
<b>Position, Department/Faculty</b>	Docent of Dept of Information-Communication Technologies
<b>Academic Degree, Academic Title</b>	Candidate of Technical Sciences, Docent
<b>Email:</b>	s.khutornenko@khai.edu
<b>Scopus Author ID:</b>	[ID 57194618233]
<b>Web of Science ResearcherID:</b>	[ID OCL-5104-2025]
<b>ORCID iD:</b>	[ID 0000-0002-5585-0534]
<b>Google Scholar:</b>	[ <a href="https://scholar.google.com/citations?user=VI_k-9IAAAAJ">https://scholar.google.com/citations?user=VI_k-9IAAAAJ</a> ]
<b>ResearchGate:</b>	[посилання]

## EDUCATION:

### Basic education (university, major, year of graduation):

Kharkov Aviation Institute, February 1987, Diploma with design and production of radio equipment

### Postgraduate/Doctoral studies:

1990-1992, PhD courses, Kharkov Aviation Institute, Diploma of Candidate of Technical Sciences in 1993 in radio and telecommunications devices

2016-2018, Doctoral Studies, National Aerospace University Kharkov Aviation Institute

### Additional training, certification programs:

## WORK EXPERIENCE:

### Professional Career (Workplace, Years, Position):

Kharkov Aviation Institute – 1987-1988 – engineer

Kharkov Aviation Institute – 1989 - Junior Researcher

Kharkov Aviation Institute – 1993 – engineer

Kharkov Polytechnic Institute – 1993 – Senior lecturer

Kharkov Polytechnic Institute – 1993 – Senior lecturer

Kharkov State Polytechnic University – 1994 – Senior lecturer

Kharkov State Polytechnic University – 1995 – Full-time Associate Professor

Ukrainian Engineering and Pedagogical Academy – 1995-2011 – Full-time Associate Professor

Ukrainian Engineering and Pedagogical Academy – 2011-2013 – Head of Dept of Radio Electronics and Computer Systems

Ukrainian Engineering and Pedagogical Academy – 2013-2015 – Full-time Professor

Ukrainian Engineering and Pedagogical Academy – 2015 – Head of Dept of Radio Electronics and Computer Systems

Ukrainian Engineering and Pedagogical Academy – 2015-2016 – Full-time Associate Professor

National Aerospace University Kharkov Aviation Institute – 2016-2018 – Part-time Associate Professor

National Aerospace University Kharkov Aviation Institute – 2018- till now – Full-time Associate Professor

### **Teaching Experience:**

Senior lecturer – 1993-1995  
Full-time Associate Professor – 1995-2013  
Full-time Professor – 2013-2015  
Full-time Associate Professor – 2015-2016  
Part-time Associate Professor – 2016-2018  
Full-time Associate Professor – 2018 – till now

### **Experience in International or National Projects:**

## **RESEARCH ACTIVITIES:**

### **Main Research Areas:**

signal generation and shaping, sensors

### **Number of Publications (Scopus, WoS, others):**

In aggregate, more than 40 publications, 2 publications in Scopus.

### **Monographs, Textbooks:**

### **Participation in Scientific Conferences:**

More than 20 Conference papers

## **TEACHING ACTIVITIES:**

### **Courses Taught:**

Basics of circle theory, Software-defined devices and radio systems

### **Author Courses, Academic Programs:**

Software-defined devices and radio systems

### **Methodological Materials, Textbooks:**

Programs for given courses for specialty Communications and Radio Engineering

## **GRANTS AND PROJECTS:**

### **Participation in International and National Projects:**

### **Grants, Scholarships, Academic Mobility Programs:**

## **PROFESSIONAL ACHIEVEMENTS AND AWARDS:**

### **Honorary Titles:**

### **Distinctions, Awards, Prizes:**

### **Membership in Professional Associations:**

## **INTERNATIONAL ACTIVITIES:**

### **Internships:**

### **Cooperation with Foreign Universities:**

### **Teaching/Lecturing Abroad:**

## **SELECTED PUBLICATIONS:**

### **Key Articles (Scopus, WoS, others):**

Khutorenko S., Lukin V., Vasilchuk D., Semenets D., Nefedova I., Akulynichev A. TWO-DIMENSIONAL MODEL OF QUARTZ RESONATOR WITH SURFACE MASS LAYER ON BASIS OF MATRIX-OPERATOR METHOD

(2021) Telecommunications and Radio Engineering, 80 (7), pp. 1 - 15, DOI: 10.1615/TELECOMRADENG.2021036884

Khutorenko S., Osadchuk O., Osadchuk I., Vasilchuk D., Semenets D., Lukin V. Mathematical model of piezoelectric oscillating system with electrodes of variable nonlinear and constant linear air gap  
(2017) Telecommunications and Radio Engineering (English translation of Elektrosvyaz and Radiotekhnika), 76 (18), pp. 1639 - 1648, DOI: 10.1615/TelecomRadEng.v76.i18.50

### **Books, Chapters in Collective Monographs:**

### **Links to Citation Database Profiles:**

<https://www.webofscience.com/wos/author/record/OCL-5104-2025>

<https://www.scopus.com/authid/detail.uri?authorId=57194618233>

<https://orcid.org/0000-0002-5585-0534>

[https://scholar.google.com/citations?user=VI\\_k-9IAAAAJ](https://scholar.google.com/citations?user=VI_k-9IAAAAJ)

## **ADDITIONAL INFORMATION:**

### **Language Proficiency:**

Ukrainian

### **IT Skills:**

### **Social and Community Activities:**

