



<b>Name</b>	Volodymyr Shevchenko
<b>Position, Department/Faculty</b>	Associate Professor of Department of Intelligent Measurement Systems and Quality Engineering / Faculty of Aircraft Control Systems
<b>Academic Degree, Academic Title</b>	Candidate of Sciences, Associate Professor
<b>Email:</b>	v.shevchenko@khai.edu
<b>Scopus Author ID:</b>	[ID]
<b>Web of Science Researcher ID:</b>	[ID]
<b>ORCID iD:</b>	[ID]
<b>Google Scholar:</b>	[посилання]
<b>ResearchGate:</b>	[посилання]

## EDUCATION:

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

Kharkiv Aviation Institute, Electromechanical engineer, Aviation instrumentation, 1984.

### Postgraduate/Doctoral studies:

Ph.D. Specialization - automatic control systems. Diploma of Candidate of Sciences KH №005654 dated June 17, 1994.

Associate professor Ministry of Education and Science of Ukraine, 2005.

### Additional training, certification programs:

Military training course at Kharkiv Aviation Institute. Lieutenant engineer. 1983.

Advanced training – every 2 years. Certificate of advanced qualification 12СПВ 032656 dated June 27, 2014, issued by the National Aerospace University.

## WORK EXPERIENCE:

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

Kharkiv Aviation Institute [1991 – Current] Associate Professor of the Department of Intelligent Measurement Systems and Quality Engineering, teaching (course basics of reliability theory | basics of accuracy theory | basics of electronics | power supply of devices | special sections of higher mathematics | technology of elements of automatic control systems)

Kharkiv Aviation Institute [1989 – 1991] Senior engineer researcher at the Aviation University.

Kharkiv University of Civil Engineering [1988 – 1989] Leading researcher. Participation in the development of automatic control systems for cement and coal ball mills.

Soviet Army [1985 – 1987] Senior Lieutenant. Head of the aviation equipment maintenance group of the helicopter regiment of the Soviet Army. 10 subordinates. Participation in extinguishing the Chernobyl nuclear power plant. Setting up the helicopter autopilot. Instrumentationist. Metrologist. Electromechanic. Welder. Locksmith. Universal master.

Kharkiv Tank design bureau [1984 – 1985] Research engineer. Participation in the development of the latest model of the Soviet tank. Electromechanic. Welder. Locksmith. Universal master. Inventor. C+ microprocessor programmer.

### **Teaching Experience:**

Associate Professor of Department of Intelligent Measurement Systems and Quality Engineering [1991 – Current].

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

English – teaching course «Manufacturing Process of CSE». [2019 – Current].

## **RESEARCH ACTIVITIES:**

### **Main Research Areas:**

prototype developer / C+ programmer / electronics engineer / electrical engineer / inventor.

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

Over 60 scientific publications; multiple conference proceedings and applied research outputs.

### **Monographs, Textbooks:**

Author of textbook and tutorials in reliability theory and accuracy theory.

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

Participant (more 20) and speaker at international and national scientific conferences.

## **TEACHING ACTIVITIES:**

### **Courses Taught:**

basics of reliability theory / basics of accuracy theory / basics of electronics / power supply of devices / special sections of higher mathematics / technology of elements of automatic control systems

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

basics of reliability theory / basics of accuracy theory / basics of electronics / power supply of devices / special sections of higher mathematics / technology of elements of automatic control systems

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

Author of textbook and tutorials in reliability theory and accuracy theory/

## **PROFESSIONAL ACHIEVEMENTS AND AWARDS:**

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

Member of the public organization «Ukrainian Scientific and Educational IT Partnership».



## INTERNATIONAL ACTIVITIES:

### Teaching/Lecturing Abroad:

English – teaching course «Manufacturing Process of CSE». [2019 – Current]

## SELECTED PUBLICATIONS:

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

Accuracy of pulse-width converters. East European Journal of Advanced Technologies. Kharkiv, – 2012. – № 4/9 (58). – 37-39.

A new method of balancing electromagnetic injectors of an internal combustion engine using a computer stand. Internal combustion engines // Scientific and technical journal. Kharkiv: NTU «KhPI». – 2010. – № 2. – 144-149.

Criterion for balancing electromagnetic injectors in internal combustion engines. – Nikolaev: 2005, 102-104.

Device for measuring current density in electrolyte. Instruments and control systems, 1998, №6.

Device for measuring current density in electrolyte. Instruments and control systems, M.: Mechanical engineering, 1993, №7.

### Books, Chapters in Collective Monographs:

Textbook. Reliability of computing systems. Kharkiv: Khai, 2015, 69.

Workbook on reliability theory. Tutorial. Kharkiv: Khai, 2007, 39.

Research into the accuracy of information processing systems. Tutorial. Kharkiv: Khai, 2000, 27.

Study of errors in digital filtering. Tutorial. Kharkiv: Khai, 1995, 29.

### Inventions Patents:

A method for checking the fuel injection system of an internal combustion engine without removing the electromagnetic injectors from this engine and a device for implementing this method. Ukrainian patent for invention № 80002, 10.08.2007.

A device for testing the fuel injection system of an internal combustion engine. Ukrainian patent for the model № 20123, 15.01.2007.

Pressure sensor. №1817840, 1993.

Method for measuring current density in an electrolyte. № 1770460, 1992.

Method for determining semicircular deviation. № 1434258, 1987.

Spesial Thema № 245900, 1986. № 245159, 1986. № 245207, 1986. № 260075, 1986.

№ 290618, 1986.

## ADDITIONAL INFORMATION:

### Language Proficiency:

Ukrainian, English, Deutsch

### IT Skills:

CSS / HTML / C++ / Arduino programmer / Microsoft Office / Microsoft Excel / Social Media / Zoom

### Social and Community Activities:

Member of the public organization «Ukrainian Scientific and Educational IT Partnership».

Volunteer. Armed forces of Ukraine. Participation in the defense of Kharkov. 2022.

