



<b>Name</b>	Grygorii Cherepashchuk
<b>Position, Department/Faculty</b>	Professor of the Department of Intelligent Measuring Systems and Quality Engineering
<b>Academic Degree, Academic Title</b>	Candidate of Sciences (Engineering) Associate Professor
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<b>ResearchGate:</b>	<a href="https://www.researchgate.net/profile/Grygorii_Cherepashchuk">https://www.researchgate.net/profile/Grygorii_Cherepashchuk</a>

## EDUCATION:

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

Engineer of Automatic control systems  
Kharkiv Aviation Institute [ 01/09/1965 – 28/02/1971 ]

### Postgraduate/Doctoral studies:

Candidate of Sciences (Engineering)  
Council at the Kharkiv Aviation Institute [ 07/10/1977 ]

Professor of KhAI

Academic Council of National Aerospace University «Kharkiv Aviation Institute» [ 24/06/2015 ]

Associate professor

Higher Attestation Commission under the Council of Ministers of the USSR [ 08/10/1986 ]

### Additional training, certification programs:

Certificate of Participation in the course:

Advanced training course “Comprehensive Course on AI in Education”. Certificate BKШИО-4203, [ 26/05/2025 – 09/06/2025 ]

Certificate No. 29/23 on advanced training for instructors and examiners in aircraft maintenance training organizations. National Aerospace University «Kharkiv Aviation Institute», [ 02/10/2023 – 20/10/2023 ]

Certificate of advanced training ПК 02066769/000931-23 at the National Aerospace University «Kharkiv Aviation Institute». Department of Continuing Education, [ 04/09/2019 – 19/06/2023 ]

Certificate No. 032/19 on advanced training for instructors and examiners in aircraft maintenance training organizations. National Aerospace University «Kharkiv Aviation Institute», [ 09/10/2019 – 01/11/2019 ]

Certificate of advanced training ПК 02066769/000560-18 at the National Aerospace University

«Kharkiv Aviation Institute». Department of Continuing Education, [18/01/2016 – 21/12/2018]  
Certificate of completion of the course “Programming OVEN controllers in CODESYS V2 and CODESYS V3 environments”. OVEN LLC, Kharkiv, [14/09/2017 – 06/10/2017]  
Certificate of advanced training 12СПБ 015952 at the National Aerospace University «Kharkiv Aviation Institute». Department of Continuing Education, [ 01/02/2010 – 31/005/2013 ]  
Certificate No. CC02216 for completing the course “Issues of State Regulation of Light and Ultralight Aircraft Operation.” Institute of Postgraduate Education, National Aviation University, Kyiv. [ 10/07/2002 – 11/07/2002]

## **WORK EXPERIENCE:**

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

#### **Professor of the Department of Intelligent Measurement Systems and Quality Engineering at the National Aerospace University «Kharkiv Aviation Institute»**

[ 01/02/2016 – Current ]

research activity, work in project teams, teaching

#### **Deputy Director of Aviation Equipment Certification Center “Aviatest” [ 2001 – 2015 ]**

#### **Associate Professor, Department of Aviation Instruments and Measurements, National Aerospace University «Kharkiv Aviation Institute» [ 01/08/2000 – 31/01/2016 ]**

research activity, work in project teams, teaching

#### **Chief Engineer of Scientific and Production Firm LLC “Engineering Bureau of the Aviation Institute” [ 2001 – Current ]**

#### **Associate Professor, Department of Metrology, Kharkiv Aviation Institute**

[ 25/04/1985 – 31/07/2000]

research activity, work in project teams, teaching

#### **Chief Engineer of Small State Enterprise “Engineering Bureau KHAI” [ 1995 – 2000]**

#### **Senior Lecturer, Department of Metrology, Kharkiv Aviation Institute**

[ 29/05/1980 – 24/04/1985]

research activity, work in project teams, teaching

#### **Assistant, Department of Metrology, Kharkiv Aviation Institute [ 01/05/1980 – 24/04/1985]**

research activity, work in project teams, teaching

#### **Assistant, Department of Electrical Engineering, Kharkiv Aviation Institute**

[ 01/01/1977 – 28/05/1980 ]

research activity, work in project teams, teaching

#### **Postgraduate student, Department of Electrical Engineering, Kharkiv Aviation Institute**

[ 01/01/1974 – 31/12/1976 ]

research activity, work in project teams, teaching

#### **Engineer, Department of Strength of Aircraft, Kharkiv Aviation Institute**

[ 01/10/1968 – 31/12/1973]

research activity, work in project teams

## Teaching Experience:

### **Teacher of the Department of Intelligent Measurement Systems and Quality Engineering National Aerospace University «Kharkiv Aviation Institute» [ 01/02/2016 – Current ]**

teaching courses: methods of measurement and quality control, means of measurement and quality control, digital measuring instruments, measurement automation, modern metrological support for measurements and product quality

### **Teacher of the Department of Aviation Instruments and Measurements National Aerospace University «Kharkiv Aviation Institute» [ 01/08/2000 – 31/01/2016 ]**

teaching courses: methods of measurement and quality control, fundamentals of metrology, means of measurement and quality control, standards and reference means of measurement, dynamic measurements, digital measuring instruments, measurement automation, intelligent measuring instruments

### **Teacher of the Department of Metrology Kharkiv Aviation Institute [ 29/05/1980 – 31/07/2000]**

teaching courses: fundamentals of metrology and electrical measurements, electrical and radio measurements, industrial electronics, fundamentals of interchangeability and technical measurements, methods of measurement, means of measurement, measurement automation, intelligent measuring instruments

### **Teacher of the Department of Electrical Engineering Kharkiv Aviation Institute [ 01/01/1977 – 28/05/1980 ]**

teaching courses: theoretical foundations of electrical engineering, electrical machines, fundamentals of metrology and electrical measurements

## Experience in International or National Projects:

Did not take part

## RESEARCH ACTIVITIES:

### **Main Research Areas:**

Development of methods and means for improving the metrological characteristics of intelligent measuring equipment and automated procedures for their metrological support

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

Over 230 scientific publications, including indexed articles in Web of Science database; multiple conference proceedings and applied research outputs

### **Monographs, Textbooks:**

Co-author of 1 monograph

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

Regular participant (more than 100) and speaker at international and national scientific conferences on metrology, measurement technology, automation of production processes (Ukraine, Poland, Bulgaria, Greece, Latvia, online forums).

## TEACHING ACTIVITIES:

**Courses Taught:**

Methods of measurement and quality control, Means of measurement and quality control, Digital measuring instruments, Measurement automation

**Author Courses, Academic Programs:**

Author of the course «Methods of measurement and quality control», «Means of measurement and quality control», «Digital measuring instruments», «Measurement automation», «Modern metrological support for measurements and product quality», «Dynamic measurements», «Intelligent measuring instruments»

**Methodological Materials, Textbooks:**

Co-author of more than 35 methodological guides in the field of metrology and measurement technology  
Developed electronic resources for online training

**GRANTS AND PROJECTS:****Participation in International and National Projects:**

Did not participate

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

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Did not take part

**PROFESSIONAL ACHIEVEMENTS AND AWARDS:****Honorary Titles:**

**Certificate of Honor from the Executive Committee of the Kharkiv City Council**

Kharkiv City Council [2024]

**Honorary Certificate from the National Aerospace University “Kharkiv Aviation Institute”**

National Aerospace University – Kharkiv Aviation Institute [ 2018 ]

**Acknowledgement from the National Aerospace University “Kharkiv Aviation Institute”**

National Aerospace University – Kharkiv Aviation Institute [ 2017 ]

**Honorary Certificate from the National Aerospace University “Kharkiv Aviation Institute”**

National Aerospace University – Kharkiv Aviation Institute [ 2017 ]

**Honorary title of Professor of KhAI**

Academic Council of National Aerospace University «Kharkiv Aviation Institute» [ 24/06/2015 ]

**Honorary Certificate from the State Aerospace University “Kharkiv Aviation Institute”**

State Aerospace University – Kharkiv Aviation Institute [ 1999 ]

**Honorary Certificate from the Kharkiv Aviation Institute**

Kharkiv Aviation Institute [ 1980 ]

**Distinctions, Awards, Prizes:**

Diplomas from numerous national and international exhibitions and aerospace shows [ 2001– 2019]  
Bronze medal from the USSR Exhibition of Economic Achievements (ВДНХ) [ 1979 ]

**Membership in Professional Associations:**

Did not take part

**INTERNATIONAL ACTIVITIES:****Internships:**

Did not take part

**Cooperation with Foreign Universities:**

Did not take part

**Teaching/Lecturing Abroad:**

Did not take part

**SELECTED PUBLICATIONS:****Key Articles (Scopus, WoS, others):**

Cherepashchuk, G., Potylchak, O., Bykova, T. Development and Research of a Discrete-Acting Batcher with an Overturning Bucket. Measuring equipment and metrology. Vol. 86, No. 1, 2025, pp. 74 – 79.

Cherepashchuk, G., Potylchak, O., Bykova, T. Optimization of the container loading process during container transportation. Transport Development, 2024, No. 2(21), pp. 100-110 (<https://doi.org/10.33082/td.2024.2-21.09>).

Cherepashchuk, G., Potylchak, O., Chupova, I., Klimov, S. Control of aircraft centering and its metrological support. Aviation and Space Technology, 2023, No. 3(187), pp. 22-33.

Koshovyi, M., Cherepashchuk, G., Kalashnikov, E., Zabolotnyi, O., Siroklyn, V. Development, research, and optimization of a weighing system. Ukrainian Metrology Journal, 2021, No. 3, pp. 43–49.

Cherepashchuk, G., Kalashnikov, E., Potylchak, O. Weighing devices for operation in special conditions. Metrology and Instruments, 2020, No. 3, pp. 38–44.

Cherepashchuk, G., Kalashnikov, E., Siroklyn, V., Goptsi, O. Features of radiation pyrometer use that affect measurement accuracy. Metrology and Instruments, 2018, No. 3, pp. 41 – 46.

Cherepashchuk, G., Kalashnikov, E., Nazarov, A., Siroklin, V. Increasing the accuracy of non-contact temperature measurement in energy audits of different objects. Technological Audit and Production Reserves, 2018, No. 1/1(39), pp. 55–61.

Cherepashchuk, G., Bykova, T., Potylchak, O. Assessment of uncertainty in measuring liquid density using a device with a variable mass float. Information Processing Systems. Collection of scientific papers. Issue 6(143). Kharkiv, Kharkiv Air Force University named after I. Kozhedub, 2016, pp. 170 - 173.



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**Books, Chapters in Collective Monographs:**

Koshovyi, M., Cherepashchuk, G., Sukhobrus, A., Zabolotnyi, V. Scientific and educational school “Design of Measurement Systems” of the Department of Intelligent Measurement Systems and Quality Engineering. - In: Scientific and Educational Schools of the National Aerospace University “Kharkiv Aviation Institute”: monograph. -Kharkiv: National Aerospace University “Kharkiv Aviation Institute,” 2020.- pp. 172-178.

**ADDITIONAL INFORMATION:**

**Language Proficiency:**

Ukrainian, English, Russian

**IT Skills:**

Microsoft Office / Microsoft Excel / Social Media / Zoom / Google Drive / Microsoft Powerpoint / Skype / Meet /Movavi Video Editor

**Social and Community Activities:**

Worked on a voluntary basis as director of the Physics and Mathematics School at KhAI (preparatory courses) [1978 – 2019]