



<b>Name</b>	Vitalii Siroklyn
<b>Position, Department/Faculty</b>	Head of the Department of Intelligent Measurement Systems and Quality Engineering
<b>Academic Degree, Academic Title</b>	Candidate of Technical Sciences Associate Professor
<b>Email:</b>	v.siroklyn@khai.edu
<b>Scopus Author ID:</b>	57419721800
<b>Web of Science ResearcherID:</b>	28518995
<b>ORCID iD:</b>	0000-0002-9913-2972
<b>Google Scholar:</b>	<a href="https://scholar.google.com/citations?hl=uk&amp;user=xy31pckAAAAJ">https://scholar.google.com/citations?hl=uk&amp;user=xy31pckAAAAJ</a>
<b>ResearchGate:</b>	

## EDUCATION:

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

Specialist in Information-Measuring Systems,  
National Aerospace University "Kharkiv Aviation Institute", [30.06.2005]

### Postgraduate/Doctoral studies:

Candidate of Technical Sciences  
Higher Attestation Commission of Ukraine [22.12.2011]

Associate professor  
Ministry of Education and Science of Ukraine [18.02.2025]

### Additional training, certification programs:

Professional development at National Aerospace University – Kharkiv Aviation Institute. Certificate ПК 02066769/001091-25

## WORK EXPERIENCE:

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

Head of the Department of Intelligent Measuring Systems and Quality Engineering National Aerospace University "Kharkiv Aviation Institute" [2021 – Current]

Associate Professor of the Department of Intelligent Measuring Systems and Quality Engineering National Aerospace University "Kharkiv Aviation Institute" [2019 – 2021]

Senior Lecturer of the Department of Aviation Instruments and Measurements National Aerospace University "Kharkiv Aviation Institute" [2013 – 2019]

Assistant of the Department of Aviation Instruments and Measurements National Aerospace University "Kharkiv Aviation Institute" [2008 – 2013]



Engineer of the Department of Aviation Instruments and Measurements  
National Aerospace University “Kharkiv Aviation Institute” [2005 – 2008]

## RESEARCH ACTIVITIES:

### Main Research Areas:

Development, implementation, maintenance and improvement of quality management systems;  
Development of measuring transducers with digital output

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

Over 40 scientific publications, including indexed articles in Scopus and Web of Science databases;  
multiple conference proceedings and applied research outputs.

### Participation in Scientific Conferences:

Regular participant (more than 20) and speaker at international and national scientific conferences on  
quality management in education and industry.

## TEACHING ACTIVITIES:

### Courses Taught:

"Master's Research Work"  
"Economics of Quality"  
"Statistical Methods of Quality Analysis"  
"Standardization"

### Author Courses, Academic Programs:

"Statistical Methods of Quality Analysis"  
"Standardization"

### Methodological Materials, Textbooks:

Standardization of regulatory documentation for quality management systems: a textbook, 2015  
International quality standards, 2015  
Social aspects in quality management, 2016  
Integrated quality management systems, 2016  
Quality management and elements of a quality management system, 2017  
Unit converters, 2018  
Statistical methods of quality management, 2018  
Certification and audit, 2018  
Measurement of physical and chemical quantities, 2021  
Social aspects in quality management. Interaction with stakeholders, 2022  
Methods for assessing the quality of products and services, 2024

## PROFESSIONAL ACHIEVEMENTS AND AWARDS:

### Honorary Titles:

Correspondent Member of the Engineering Academy of Ukraine [2019 – Current]

### Distinctions, Awards, Prizes:

Acknowledgement from the Kharkiv City Mayor, [2019]



Certificate of Honor from the Executive Committee of the Kharkiv City Council, [2021]

Certificate of Honor from the Kharkiv Regional Council, [2023]

Acknowledgement from the Ministry of Education and Science of Ukraine, [2025]

## SELECTED PUBLICATIONS:

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

1. Modeling and Optimization of Potential Receivers Positioning for Computer Control and Control Systems Angular Displacement Measuring / N. Koshevoy, O. Burliev, T. Rozhnova, M. Tsekhovskiy, V. Siroklyn, A. Malkova – XXXI IEEE International Scientific Symposium Metrology and Metrology Assurance. MMA'2021: proceedings, 7–11 Sept., Sozopol, Bulgaria. – [S. I.], 2021. – P. 40–43 (Scopus).
2. Development and Modeling of a Device for Measuring the Moisture of Oil Products / N. Koshevoy, O. Zabolotnyi, O. Potylchak, V. Siroklyn / International Scientific and Technical Conference on Integrated Computer Technologies in Mechanical Engineering. ICTM'2021 : proceedings, 28–29 Oct. 2021, Kharkiv, Ukraine. – Cham : Springer, 2022. – P. 221–228. – (Lecture Notes in Networks and Systems. LNNS ; vol. 367, ISSN 2367-3370) (Scopus).
3. Modified Gray Codes for the Value (Time) Optimization of a Multifactor Experiment Plans / N. Koshevoy, V. Dergachov, A. Pavlik, V. Siroklyn, I. Koshevaya, O. Hrytsai / Integrated Computer Technologies in Mechanical Engineering. ICTM'2021 : proceedings, 28–29 Oct. 2021, Kharkiv, Ukraine. – Cham : Springer, 2022. – P. 331–343 (Scopus).
4. Modeling and Optimization of Photoelectric Device Positioning for Angular Displacement Measurements in Aircraft Computer Control and Operation Systems / N. Koshevoy, O. Zabolotnyi, V. Siroklyn, O. Kostenko, T. Rozhnova, O. Burliev / Integrated Computer Technologies in Mechanical Engineering. ICTM'2021 : proceedings, 28–29 Oct. 2021, Kharkiv, Ukraine. – Cham : Springer, 2022. – P. 321–330 (Scopus).
5. Measuring Transducers of Angular with Digital Output / N. Koshevoy, Ali Bekirov, T. Rozhnova, O. Pylypenko, V. Siroklyn, I. Koshevaya / XXXII IEEE International Scientific Symposium Metrology and Metrology Assurance. MMA'2022 : proceedings, 7–11 Sept. 2022, Sozopol, Bulgaria. – [S. I.], 2022. – P. 49–52 (Scopus).
6. Fiber-Optical Pressure Sensors for Information - Measuring Systems / N. Koshevoy, O. Zabolotnyi, V. Siroklyn, O. Kostenko, T. Rozhnova, Ali Bekirov / XXXII IEEE International Scientific Symposium Metrology and Metrology Assurance. MMA'2022 : proceedings, 7–11 Sept. 2022, Sozopol, Bulgaria. – [S. I.], 2022. – P. 64–67 (Scopus).
7. Devices for Measuring Temperature in Industrial Conditions / N. Koshevoy, T. Rozhnova, O. Kostenko, V. Siroklyn, M. Tsekhovskoi, O. Potylchak / IEEE XXXIII International Scientific Symposium Metrology and Metrology Assurance. MMA'2023 : 7–11 Sept. 2023, Sozopol, Bulgaria, 2023. P. 1–5 (Scopus).
8. Investigation of the Possibility to Provide the Capacitive Moisture Sensing, Invariant to the Composition of a Bulk Substance or Dispersive Medium / Zabolotnyi O., Zabolotnyi V., Siroklyn V. / Proceedings - IEEE International Conference on Electronics and Nanotechnology, ELNANO, 2024, pp. 482–487 (Scopus).

## ADDITIONAL INFORMATION:

### Language Proficiency:

Ukrainian

### IT Skills:

Microsoft Office / Microsoft teams / Social Media / Zoom / Google Drive / Google meet / MathCAD / AutoCad / CorelDraw / Photoshop / Minitab /

