Name	Dmytro Obidin
Position, Department/Faculty	Professor, Department of Aerohydrodynamics, Faculty of Aircraft Engineering
Academic Degree, Academic Title	Doctor of Technical Sciences, Professor of the Department of Flight Operations, Aerodynamics and Flight Dynamics
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EDUCATION:

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

1994 — Kharkiv Institute of Pilots of the Air Force (HIL VPS), Specialty: Aircraft and Powerplants.

Postgraduate/Doctoral studies:

Candidate of Technical Sciences (PhD-equivalent) — 2000, specialty 20.02.15 “Hydroaerodynamics, dynamics of motion and maneuvering of combat vehicles”.
Doctor of Technical Sciences — 2013, specialty 05.22.13 “Navigation and motion control”.

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):

1989–2009 — Service in the Armed Forces of Ukraine (command and scientific-pedagogical positions).
2009–2010 — Director, State Enterprise Airline “Khoriv-Avia”.
2010–2012 — Associate Professor, Department of Flight Operations, Aerodynamics and Flight Dynamics, State Flight Academy of Ukraine.
2012–2018 — Deputy Head for Academic and Scientific Work, Kirovohrad Flight Academy of NAU.
2018–2019 — Head of Training, FTO “Ukrainian Flight Academy ‘Chemical Aviation Technologies’”; Professor, Department of Flight Operations, Aerodynamics and Flight Dynamics, Flight Academy NAU.
2019–2022 — Professor, Department of Flight Operations, Aerodynamics and Flight Dynamics, Flight Academy NAU; Flight training instructor at ATO “Kondor”.
2022–present — Professor, Department of Aerohydrodynamics, National Aerospace University “KhAI”.

Teaching Experience:

Total higher-education teaching experience: 30 years. Supervision of postgraduate students; developer of flight manuals and training programs for FTOs.

RESEARCH ACTIVITIES:

Main Research Areas:

Hydroaerodynamics, aerohydrodynamics and flight dynamics.
Navigation and motion control; stability and maneuvering.

Number of Publications (Scopus, WoS, others):

over 100

Participation in Scientific Conferences:

The 12th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications 7-9 September, 2023, Dortmund, Germany
2023 IEEE 7th International Conference on Methods and Systems of Navigation and Motion Control (MSNMC). October 24 – 27, 2023, Kyiv, National Aviation University, Ukraine. P. 38 – 41. (Scopus)
6th International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA 2024), May 23-25, 2024, Istanbul, Türkiye. P. 1 – 4.
2024 IEEE 5th International Conference on Advanced Trends in Information Theory (ATIT). November 21-23, 2024 , Lviv , Ukraine.

TEACHING ACTIVITIES:

Courses Taught:

Flight Dynamics and Flight Stability
Aerodynamics and Applied Aerohydrodynamics
Flight Operations and Aircraft Performance
Practical flight training (instructor programs)

PROFESSIONAL ACHIEVEMENTS AND AWARDS:

Honorary Titles:

Associate Professor (2007); Professor (2014).

SELECTED PUBLICATIONS:

Key Articles (Scopus, WoS, others):

- Development of a Hybrid Network Traffic Load Management Mechanism Using Smart Components
  2023 IEEE 7th International Conference on Methods and Systems of Navigation and Motion Control (MSNMC), Kyiv, Ukraine, October 24–27, 2023, pp. 38–41. Indexed in Scopus
- The Method of Construction of the Law of Safety Management of Critical Infrastructure Objects Under the Conditions of External Uncontrolled Influences
  CEUR Workshop Proceedings, Vol. 3624, 2023, pp. 291–300
- Abel-Poisson Partial Sums in Signal Theory

6th International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA 2024), Istanbul, Türkiye, May 23–25, 2024, pp. 1–4

Links to Citation Database Profiles:

https://www.scopus.com/authid/detail.uri?authorId=57202200324

ADDITIONAL INFORMATION:

Language Proficiency:

English — Upper-Intermediate

IT Skills:

Knowledge of programming and AI
Aerodynamic modeling tools