



Name	Anton Chumak
Position, Department/Faculty	Associate Professor, vice head of Aircraft and Helicopters Design Department, Aircraft Building Faculty
Academic Degree, Academic Title	Candidate of Science (Ph.D.)
Email:	a.chumak@khai.edu
Scopus Author ID:	57214218773
Web of Science ResearcherID:	ABE-6800-2021
ORCID iD:	0000-0003-2913-7038
Google Scholar:	https://scholar.google.com/citations?user=g0T_Om4AAAAJ&hl=en
ResearchGate:	https://www.researchgate.net/profile/Anton-Chumak?ev=hdr_xprf

EDUCATION:

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

National Aerospace University «Kharkiv Aviation Institute», M.S., Aircraft Engineering, 2008

Postgraduate/Doctoral studies:

Flying Vehicles Design, Production Technology And System Testing`, 2021

Additional training, certification programs:

Postgraduate education certificate, 2020

FCE B2 English Certificate, 2020

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):

2022 – present time: Boeing Ukraine, part time engineer

2011 – present time: Associate Professor, vice head of Aircraft and Helicopters Design Department, National Aerospace University. Participated in development of Aircraft Design Manufacturing and Testing bachelor education program.

2010 – 2011: Manufacturing Engineer. Ukrainian Research Institute of Aviation Technologies. Participated in development of carbon wing assembly technology.

2008 – 2010: Leading Engineer. National Aerospace University CAD/CAM/CAE research and education center. Participated in development of regional airplane concept.

2006 – 2008: Design Engineer. Kharkiv state aviation manufacturing company. Worked on serial production support of transport airplanes

Teaching Experience:

Full time teaching airplanes and helicopters design related subjects since 2011. Participated in development of Aircraft Design Manufacturing and Testing bachelor education program.

Experience in International or National Projects:



Taking part in departments' scientific research projects.

RESEARCH ACTIVITIES:

Main Research Areas:

Airplanes and helicopters conceptual design
Computer aided design and simulation
Aircraft structures designing methods

Number of Publications (Scopus, WoS, others):

18 articles, 3 Scopus

Monographs, Textbooks:

1 monograph, 1 textbook

Participation in Scientific Conferences:

10 conference papers

TEACHING ACTIVITIES:

Courses Taught:

Engineering Analysis of Aircraft Elements
Integrated Design of Aircraft
Simulation of Aircraft Systems and Elements.

Author Courses, Academic Programs:

Engineering Analysis of Aircraft Elements

Methodological Materials, Textbooks:

Program and Method of Helicopter Design

PROFESSIONAL ACHIEVEMENTS AND AWARDS:

Distinctions, Awards, Prizes:

Kharkiv Major Prize 2021
University Professional Award "ICAR" 2021.

Membership in Professional Associations:

Association of Education and Science Workers, Kharkiv Aeroclub

INTERNATIONAL ACTIVITIES:

Internships:

Internship at DIEHL Aerospace, Germany, 2009
International Remote Scientific and Pedagogical Internship, Instytut Spraw Administracji Publicznych, Poland, 2024



SELECTED PUBLICATIONS:

Key Articles (Scopus, WoS, others):

- REGIONAL PASSENGER AIRPLANES GENERAL DESIGN METHOD, Open Information and Computer Integrated Technologies, 85, 4-31, 2019
Grebenikov, OG; Donets, OD; Trubaiev, SV; Chumak, AS
- LIGHT CIVIL TURBOPROP AIRPLANE TAKE-OFF WEIGHT PRELIMINARY DESIGN ESTIMATION METHOD
Integrated Computer Technologies in Mechanical Engineering, 60-74, 2020, Springer
Grebenikov, OG; Gumennyi, AM; Buival, LY; Chumak, AS; Sobolev, AA;
- TRANSPORT CATEGORY AIRPLANE FUSELAGE MASTER GEOMETRY PARAMETRICAL MODELING METHOD
Chumak Anton; Buival Liliia; Humennyi Andrii; Grebenikov Oleksandr; Konyshev Dmytro, International scientific-practical conference, 101-110, 2020, Springer

Books, Chapters in Collective Monographs:

- Dveirin, O., Hrebenikov, O., Humennyi, A., Konyshev, D., Chumak, A. (2024). Transport Category Aircraft Fuselage Integrated Design. In: Nechyporuk, M., Pavlikov, V., Krytskyi, D. (eds) Information Technologies in the Design of Aerospace Engineering. Studies in Systems, Decision and Control, vol 507. Springer, Cham.

ADDITIONAL INFORMATION:

Language Proficiency:

FCE B2 Certificate

IT Skills:

Yes

Social and Community Activities:

Active