



Dr. Utku KALE

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<http://www.vrht.bme.hu/en/full-time-employees.html> | **LinkedIn:**
<https://www.linkedin.com/in/dr-utku-kale-584016117/> |
Address: Muegyetem rkp. 3, Budapest H-1111, Hungary, 1111, Budapest,
Hungary (Work)

WORK EXPERIENCE

01/09/2016 – CURRENT Budapest, Hungary

SENIOR ASSISTANT PROFESSOR BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS (BME)

Education:

Safety Risk Assessment in Transportation
Human Factors in Transportation
Transportation Safety
Decision-Making in Transportation
Aviation/Transportation and Environmental Sustainability
Energy & Exergy

International Project Participations:

- SESAR** (INNOvation SJU/LC/0162-CTR), **Grant agreement ID:** SESAR Lot5 - Modelling to support the validation SESAR, **Title:** INNOVATE - INNOVation through Validation for Air Transportation in Europe (2011-2016)
- Clean SkyProject:** Cleansky2, **Grant ID:** Cleansky2 (i) JTI-CS2-2016-CFP05-TE2-01-03, (ii) JTI-CS2-2016-CFP05-TE2-01-04, (iii) JTI-CS2-2016-CFP05-TE2-01-05. **Title:** (i) FORJET2035 - ATS level Business Jet Forecast, (ii) FORROT2035 - ATS level Business Jet Forecast, and (iii) FORSAT2035 - ATS level Rotorcraft Forecast (2017-2018)
- ERASMUS +** (KA205 - Strategic Partnerships for Youth) **Title:** Youth Based Entrepreneurship Network of Unmanned Aerial Vehicle Industry and Technologies – Current (2021-2023) Project Leader
- Hungarian (NRDIO) -Turkish (TUBITAK) Bilateral Cooperation** - **Title:** GIS-based road safety detection system using Unmanned Aerial Systems (UAS) – Current (2021-2024)
- BrightSky 2021** - Smart Training Virtual Cockpit Simulator in collaboration with NLR (Royal Netherlands Aerospace Industries), KLM Royal Dutch Airlines, JetSupport, and Amsterdam University of Applied Sciences (AUAS) (2021- 2025)- Researcher
- NATO (North Atlantic Treaty Organization) Advanced Study Institutes (ASI)**, **Title:** Capacity Building for a New Generation of Scientists in Energy Security and Climate Neutrality (2024-2024) - Principle Organizer

National Project Participations:

- Hungarian EFOP Budapest University of Technology and Economics- BME** (EFOP-3.6.1-16-2016-00014), **Title:** "Research and development of disruptive technologies in the field of e-mobility and their integration into engineering education" (2017-2020)
- Hungarian EFOP Dunaújváros University** (EFOP-3.6.1-16-2016-00003). **Title:** „Long Term Confirmation of R+D+I Processes at the University of Dunaújváros (2017-2021)
- Knorr Bremse 2021** - **Title:** Redundant Electrical – Electronic Architectures in Aerospace- 9 months (Project Leader)
- SPOC 2021-** Hungarian Ministry of Innovation and Technology, **Title:** Operators (Pilots, ATCOs)' Load Monitoring and Management 7 months (Project Leader)

01/03/2024 – CURRENT Brussels , Belgium

EUROPEAN COMMISSION EXPERT ON THE HUMAN DIMENSION OF THE SINGLE EUROPEAN SKY IN THE "MOBILITY AND TRANSPORT" UNIT. EUROPEAN COMMISSION

01/11/2022 – CURRENT Amsterdam, Netherlands

SCIENTIFIC RESEARCHER AMSTERDAM UNIVERSITY OF APPLIED SCIENCES (HVA)

Work for the „Amsterdam University of Applied Sciences” as a scientific researcher in „BrightSky Project” entitled „Smart Training Virtual Cockpit Simulator” in collaboration with NLR (Royal Netherlands Aerospace Center), KLM (Royal Dutch Airlines), and JetSupport.

01/03/2024 – CURRENT Vilnius, Lithuania

CHIEF RESEARCH FELLOW VILNIUS TECHNICAL UNIVERSITY (VILNIUSTECH)

31/12/2020 – CURRENT Budapest, Hungary

PRESIDENT OF INT. SUSTAINABLE AVIATION AND ENERGY RESEARCH SOCIETY-HUNGARY (SARES HUNGARY) INTERNATIONAL SUSTAINABLE AVIATION AND ENERGY RESEARCH SOCIETY -HUNGARY (SARES HUNGARY)

25/11/2020 – CURRENT Türkiye

ASSOCIATE EDITOR OF INTERNATIONAL JOURNAL OF SUSTAINABLE AVIATION (IJSA) INTERNATIONAL JOURNAL OF SUSTAINABLE AVIATION (IJSA)

25/11/2020 – CURRENT Türkiye

LANGUAGE EDITOR OF INTERNATIONAL JOURNAL OF AVIATION SCIENCE AND TECHNOLOGY (IJAST) INTERNATIONAL JOURNAL OF AVIATION SCIENCE AND TECHNOLOGY (IJAST)

31/12/2016 – CURRENT Budapest, Hungary

TECHNICAL CHAIR AND ORGANIZING COMMITTEE MEMBER OF INTERNATIONAL CONFERENCES BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS (BME)

Up to date, I have served in 31 International Conferences as a Chair/Technical Chair/Organizing Committee Member” in Rome, Amsterdam, Budapest, Istanbul, Amsterdam, Las Vegas, etc., including AIAA Aviation Forum, ISSA (SPRINGER), ISEAS (SPRINGER), ISUDEF (SPRINGER), ISATECH (SPRINGER), ISEMAS (SPRINGER), GPECOM (IEEE), CogMob (IEEE).

● EDUCATION AND TRAINING

11/11/2024 – CURRENT Vilnius, Lithuania

POST DOCTORAL PROGRAM Vilnius Technical University (VilniusTECH)

Website <https://vilniustech.lt/>

09/09/2020 – CURRENT Debrecen, Hungary

ATPL COMMERCIAL PILOT LICENCE ON AIRBUS 320 PHARMAFLIGHT Commercial Pilot Training Center

Address 1, DE, Szatke Ferenc street, 4030, Debrecen, Hungary

09/09/2016 – 25/11/2020 Budapest

DOCTORAL EDUCATION (PHD) Budapest University of Technology and Economics (BME)

Address Muegyetem rkp. 3, Budapest H-1111, Hungary, 1111, Budapest | **Website** rht.bme.hu |

Field of study Operators (Pilots,ATCOs)' Load Monitoring and Management

14/09/2018 – 14/07/2019 Budapest, Hungary

POST-GRADUATE DEGREE (POSTGRAD) Corvinus University of Budapest

Address Budapest, Fővám tér 8, 1093, Hungary, 1093, Budapest, Hungary | **Website** <https://www.uni-corvinus.hu/?lang=en> |

Field of study Pragmatic Failure in Aviation Communication

09/09/2014 – 09/06/2016

MASTER OF SCIENCES (MSC) University of Miskolc

Address Miskolc, Egyetem út 1, 3515, Hungary | **Website** <https://www.uni-miskolc.hu/en>

09/09/2009 – 09/07/2014

BACHELOR OF SCIENCE (BSC) University of Ankara

Address Emniyet, Döğol Street, 6A, 06560 Yenimahalle/Ankara, Turkey, 06560 | **Website** <https://en.ankara.edu.tr/>

09/09/2020 – CURRENT

BACHELOR OF SCIENCE (BSC) University of Debrecen

Address Debrecen, Egyetem tér 1, 4032, Hungary | **Website** <https://unideb.hu/en> |

Field of study Aviation Engineering - Professional Pilot Program with Type Rating on A320

09/09/2012 – 09/06/2013 Ciudad Real,, Spain

ERASMUS + EDUCATION Universidad de Castilla La Mancha

Address Pl. Manuel Meca, s/n, 13400 Almadén, Ciudad Real, Spain, Ciudad Real,, Spain |

Website https://www.uclm.es/?sc_lang=en

09/06/2013 – 09/09/2013 Ciudad Real, Spain

ERASMUS + INTERNSHIP Universidad de Castilla La Mancha

Address Pl. Manuel Meca, s/n, 13400 Almadén, Ciudad Real, Spain, 13400, Ciudad Real, Spain |

Website https://www.uclm.es/?sc_lang=en

09/04/2011 – 14/09/2011 San Diego, United States

WORK AND TRAVEL PROGRAM IN USA

● **LANGUAGE SKILLS**

Mother tongue(s): **TURKISH**

Other language(s): **ENGLISH**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
HUNGARIAN	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

Microsoft Word | Microsoft Excel | Microsoft Powerpoint | Google Drive | Google Docs | Microsoft Office | Matlab

● **PUBLICATIONS**

Scientific Research Journal Publications

I am the author of **over a hundred scientific research papers*** (research articles, book chapters, proceedings) **about 50 of which are indexed by WoS with Impact Factor**, including the ones under review/publishing process.

Publication List:

<https://m2.mtmt.hu/api/publication?format=html&&sort=publishedYear,desc&cond=authors;eq;10061416&page=1&labelLang=eng>

● **HONOURS AND AWARDS**

14/05/2019

SARES Young Researcher Award - 2019 – International Sustainable Aviation and Energy Research Society

14/09/2013

KOC Holding Success Scholarship – KOC Holding Turkey

One year-long study collaboration during my BSc at Ankara University

14/07/2009

Certificate of Honors -2009 – Mersin University Turkey
