­**Asteris Apostolidis** **PhD** | **Research & Innovation** | **Aviation & Aerospace** | **AI & Simulation**

**email:** asterisa@gmail.com **tel:** +31 (0)6 34 00 22 96 **address:** Newtonstraat 53, 1098 GZ, Amsterdam, NL **citizenship:** Greek [](http://www.linkedin.com/in/asterisapostolidis)

My professional interests lie at the interface of technology, aviation, strategy, and sustainability. I have a broad technical, managerial, and research experience, having worked for airlines, academic institutes, and aerospace manufacturers. I have dealt with the technical and strategic problematics of the design, simulation, operation, and maintenance of aircraft systems and simulation of aviation processes, having led numerous projects and research initiatives. I lead the Working Group on Diagnostics and Prognostics of the Independent Data Consortium for Aviation (IDCA) and I serve on the Rulemaking Committee on Trustworthy AI for the European Union Aviation Safety Agency (EASA), next to several other appointments on Technical Advisory Boards and international Working Groups.

**Professional Experience**

**05/2023 – Ongoing Senior Lead, Technical Innovation & Emerging Technologies**

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| [**KLM Royal Dutch Airlines**](https://techdata.klm.com/en/our-work/blue-labs/) | **Amsterdam, The Netherlands** |

My role at the KLM BlueLabs requires experimentation with new technologies, in order to accelerate KLM’s technical innovation. I lead the Fleet Lab, where we aim to innovate in Fleet Operations, Availability and Development with the use of disruptive digital technologies. In addition, I lead the Emerging Technologies Lab, where we aim to explore the latest technologies and work in co-creation with KLM’s business units towards new services and processes. We bring in outside expertise through collaborations with external partners and universities. My main focal areas are the following:

* *Simulations methods and Digital Twins for airline, airport, and maintenance operations*
* *Data exchange applications in aviation MRO, airline and multimodal networks*
* *Applications of AI in airline processes, systems, and assets*
* *Autonomous Ground & Airport Operations*
* *Member of KLM’s AI Board*

**05/2023 – ongoing Senior Research Associate**

**06/2021 – 05/2023 Associate Professor of Aviation Engineering**

**Lead, Maintenance Lab**

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| [**Amsterdam University of Applied Sciences –**](https://www.amsterdamuas.com/profile/a/p/a.apostolidis/a.apostolidis.html) **Faculteit Techniek** | **Amsterdam, The Netherlands** |

I led several industrial research activities within AUAS, while being responsible for the links between the projects, the research team and the university's industrial network:

* *I led various research activities for the R&D Mobility Sectors Scheme Bright Sky (total budget 24M€, AUAS budget 1,8M€), which I co-developed during the proposal phase.*
* *I led various technology- and date-related research activities with partners such as Air France-KLM, the Royal Dutch Air Force, Tata Steel, and MTU Aero Engines, among others.*
* *I led the activities of the AUAS Maintenance Lab, working on technologies such as data-driven maintenance, aviation process optimisation and digital twin development.*
* *I actively contribute to the strategic roadmap of the Faculty of Technology.*

My main scientific areas of interest include the following:

*Artificial Intelligence in Aeronautical Systems, Emerging Technologies in Aviation, Engineering Simulation, Strategy and Operations in Aviation, Clean Air Mobility, Aircraft and Engine Design*

**02/2019 – 05/2021 Technology Innovation Manager**

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| [**Air France KLM**](https://www.airfranceklm.com/en) **Group** | **Amsterdam, The Netherlands & Paris, France** |

In this role, I was member of the air France KLM Group's CIO Office. I led various innovation initiatives and I worked with technology providers and academia, to form the future technological capabilities of the Group. My focal areas were:

* *Artificial Intelligence in Aviation & Aerospace*
* *Emerging Technologies & Tech Trends*
* *Digital Platform Strategy & Enablers*
* *Sustainability in Aviation & IT*

**10/2017 – 02/2019 Senior Engineer, Aircraft Engine Analytics**

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| [**Air France Industries KLM Engineering & Maintenance**](http://www.afiklmem.com) | **Amsterdam, The Netherlands** |

Ι launched the activity of data-driven predictive analytics for KLM Engine Services. I built the original business case and organised the related activities. My focal areas were:

* *Analysis of the internal maintenance processes and identification of bottlenecks*
* *Development of the general roadmap on future engine analytics capabilities*
* *Predictive maintenance modelling, development, and team guidance*

**04/2015 – 07/2017 Aerothermal Engineer**

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| **Safran Aircraft Engines, Airbus & Altran Technologies** | **Toulouse, France** |

I led and executed numerous Research & Development modelling and simulation projects for various major aerospace manufacturers. In more details, I performed:

* *Preliminary and detailed design of aerothermal features for safety-critical applications: Aerothermal model development for the A320neo engine (CFMI LEAP-1A, P&W PG1100G)*
* *Model-based simulation method development for various Airbus programmes: Gas turbine performance analysis for the A320neo/LEAP-1A & A380/Rolls Royce T900, Future Nacelle Anti-Icing system modelling and development*
* *Validation, calibration, and verification of simulation codes for certification campaigns: Environmental Control System modelling for special aircraft operations.*

**06/2016 – Ongoing Co-founder**

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| [**GIVE | Green Innovation & Vehicle Engineering**](http://www.give-engineering.com/) | **Athens, Greece** |

I co-founded GIVE, an engineering consultancy Research & Development firm. GIVE specialises in land and air battery electric vehicle (BEV) and fuel cell electric vehicle (FCEV) development, technical innovation and engineering analytics, including:

* *Product development for the automotive and aerospace industry*
* *Engineering system analysis & optimisation*
* *System development for electric vehicles*

The clientele of GIVE includes automotive industries, wind turbine OEMs, aeronautical manufacturers, and motorsport teams. GIVE also participates in various academic research projects, employing engineering students and contributing to their graduation theses.

**11/2010 – 05/2014 Doctoral Researcher**

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| [**Cranfield University – School of Aerospace, Transport and Manufacturing**](https://www.cranfield.ac.uk/centres/centre-for-propulsion-engineering) | **Bedford, UK** |

During my doctoral studies, I developed numerous technical tools and functionalities, I led and managed a major university project, and I provided student supervision and mentoring:

* *I oversaw the development and coordination of the WebEngine, a web-based engineering simulation tool, aimed to be used by remote students and external users.*
* *I have developed various turbine cooling prediction models and a heat transfer simulation platform for aircraft part life prediction and thermodynamic cycle modelling.*

**04/2013 – 08/2013 Aerodynamicist** [Placement]

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| [**Aircraft Research Association**](http://ara.co.uk/) | **Bedford, UK** |

In parallel with my doctoral studies, I worked in a fighter jet aerodynamics project. I analysed supersonic wind tunnel data, using innovative image-processing methods. The results of the analysis were used for the optimisation of the aircraft’s design.

**10/2009 – 09/2010 Design Engineer** [Placement]

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| [**Rolls-Royce plc**](https://www.rolls-royce.com/) | **Derby, UK** |

I performed my MSc Thesis research during a placement with [Rolls-Royce University Technology Centre](https://www.rolls-royce.com/about/our-research/research-and-university.aspx) in Performance Engineering. I developed various computational models of the high-pressure axial compressor of the Trent 900 engine.

**Expert Group Memberships**

**2024 – Ongoing Member, Rulemaking Committee, Artificial Intelligence Trustworthiness (RMT.0742)**

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| [**European Union Aviation Safety Agency (EASA)**](https://www.easa.europa.eu/en/document-library/terms-of-reference-and-rulemaking-group-compositions/tor-rmt0742) |

I am a core committee member which, under the guidance of EASA, develops the regulations around the use of AI-based systems in safety-critical applications in aviation.

**2023 – Ongoing Chair, Aircraft Operational Data Working Group**

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| [**Independent Data Consortium for Aviation**](https://www.dataforaviation.org/) |

I lead the activities for the working group that develops the use case for Prognostics and Diagnostics. The team consists of numerous industry leaders, aiming to the development of a framework for the landscape in data exchange for aviation Diagnostics and Prognostics.

**2024 – Ongoing Independent Expert in New and Emerging Technologies**

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| [**European Union Aviation Safety Agency (EASA)**](https://www.easa.europa.eu/en/document-library/terms-of-reference-and-rulemaking-group-compositions/tor-rmt0742) |

I provide support to EASA for the following tasks:

* *Provide technical expertise in the area of New and Emerging technologies*
* *Support the evaluation of applications and monitoring of their implementation*
* *Provide support to and participate in various technical meetings and working groups*
* *Provide support to the European Central Question Bank (ECQB) around the development of questions for pilots' theoretical knowledge examinations*

**2020 – Ongoing External Expert**

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| [**European Commission**](https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/work-as-an-expert) |

The European Union Institutions appoint external experts to assist in the evaluation of grant applications, projects and tenders, and to provide opinions and advice in specific cases.

* *Evaluation of proposals, prize applications and tenders*
* *Monitoring of actions, grant agreements, public procurement contracts*
* *Preparation, implementation and evaluation of EU programmes and design of policies*

**2019 – 2023 Co-chair, Data Management & Validation Committee (SG2)**

**Co-chair, Machine Learning Design & Verification Committee (SG3)**

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| [**SAE International G-34**](https://www.sae.org/works/committeeHome.do?comtID=TEAG34) & [**EUROCAE WG-114**](https://www.eurocae.net/news/posts/2019/june/new-working-group-wg-114-artificial-intelligence/)Working Groups |

The Joint International Committee SAE G-34 / EUROCAE WG-114 focuses on implementation and certification of AI technologies for the safe operation of aerospace systems and vehicles.

**2019 – 2022 Member of the Technical Advisory Board**

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| **Horizon Europe** [**HECARRUS**](https://hecarrus.eu/index.php) **project** |

Member of the Technical Advisory Board for the EU Clean Sky 2 R&I Programme HECARRUS (Hybrid Electric Small Commuter Aircraft Conceptual Design).

**2020 – 2022 Expert**

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| [**Solar Impulse Foundation**](https://solarimpulse.com/) |

The Solar Impulse Experts community is a pool of industry-leading assessors, who certify that submitted solutions satisfy several sustainability, business and feasibility criteria.

**2018 – 2022 Member of the User Committee**

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| [**CIMPLO**](https://cimplo.nl/) **project** |

Member of the User Committee for the NWO Applied and Engineering Sciences Research Programme CIMPLO (Cross-Industry Predictive Maintenance Optimization Platform).

**2011 – Ongoing Member**

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| [**American Institute of Aeronautics and Astronautics**](https://www.aiaa.org/) |

Full member of AIAA, participating in various professional and educational activities.

**Academic Research Programmes**

**11/2021 – 11/2023 Project Leader for Amsterdam University of Applies Sciences**

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| **BrightSky (**[**R&D Mobility Sectors Scheme)**](https://www.rvo.nl/subsidies-financiering/subsidieregeling-r%26amp%3Bd-mobiliteitssectoren-%28rdm%29/samenvattingen#brightsky---jetsupport-b.v.) | **Schiphol, Netherlands** |

Amsterdam Airport Schiphol is an innovation hub for aviation, due to the high concentration of aviation-related activities. The aim of BrightSky (24M €) is to maintain and strengthen the innovative strength of the Dutch aviation sector by means of technical innovations in Maintenance, Repair and Overhaul, Aircraft Availability and Airport Security.

**11/2017 – 05/2022 Project Leader for KLM**

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| [**CIMPLO (NWO Smart Industry 2016)**](https://www.universiteitleiden.nl/en/research/research-projects/science/cimplo---maintenance-prediction-for-industries) | **Leiden, Netherlands** |

The CIMPLO project aims at developing a cross-industry predictive maintenance optimisation platform that achieves business advantages in terms of safety, time and finance, The project combined predictive maintenance with dynamic multi-objective scheduling.

**10/2016 – 03/2019 Project Advisor**

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| [**Data Mining in MRO (NWO / SIA RAAK MKB)**](https://www.hva.nl/kc-techniek/subsites/en/kc-techniek/projects/projects-general/data-mining-in-mro.html?origin=6iYy31WiSgiH%2FvR%2B3LvdvA) | **Amsterdam, Netherlands** |

This RAAK MKB project aims to help MRO SMEs in the aviation industry to predict their maintenance requirements in terms of costs and time.

**Education**

1**1/2010 – 05/2014 PhD in Heat Transfer Modelling for Gas Turbine Performance Simulation**

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| [**Cranfield University – School of Aerospace, Transport and Manufacturing**](https://www.cranfield.ac.uk/centres/centre-for-propulsion-engineering) | **Bedford, UK** |

Academic supervisors: Prof Panos Laskaridis, Prof Suresh Sampath, Prof Pericles Pilidis

**10/2009 – 09/2010 MSc in Thermal Power –** **Aerospace Propulsion** [Cum Laude]

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| [**Cranfield University – School of Engineering**](https://www.cranfield.ac.uk/centres/centre-for-propulsion-engineering) | **Bedford, UK** |

Academic supervisors: Dr Pavlos K Zachos, Prof Vassilios Pachidis

Industrial supervisors: Mr Stephen Brown, Mr Arthur Rowe, Rolls-Royce plc.

**10/2003 – 09/2009 Diploma in Mechanical Engineering – Energy & Aeronautics option**

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| [**Aristotle University of Thessaloniki – School of Engineering**](http://www.meng.auth.gr/en.html) | **Thessaloniki, Greece** |

Academic supervisors: Prof Anestis I Kalfas, Prof Kyros Yakinthos

**Languages**

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| **English** | **French** | **Dutch** | **Greek** |
| Full professional proficiency | Full professional proficiency | Intermediate level | Native language |

**Other Activities & Distinctions**

**2022** [Academic Supervisor of Stijn Donckers, awarded for the best thesis (General Category) by The Dutch Air- and Aerospace Foundation (NLF).](http://luchtvaartfonds.com/?p=3436&lang=nl)

**2020 – Ongoing** Guest Columnist for AIAA Aerospace America [[1](https://aerospaceamerica.aiaa.org/departments/decarbonizing-by-2050-optimists-pessimists-and-realists/), [2](https://aerospaceamerica.aiaa.org/departments/dont-sideline-environmental-sustainability/), [3](https://aerospaceamerica.aiaa.org/features/b-21-unveiling/)] and the [Solar Impulse Foundation](https://solarimpulse.com/news/towards-sustainable-air-travel-challenges-and-opportunities) on topics related to sustainable aviation and future aircraft technologies.

**2019** Awarded for an Outstanding Contribution in Reviewing by [Elsevier](https://www.elsevier.com/), in recognition of my contribution to the quality of the peer-reviewed scientific journal Energy.

**2016 – Ongoing** Reviewer for journals and conference proceedings:

[Energy](https://www.journals.elsevier.com/energy) (Elsevier)

[Aerospace](https://www.mdpi.com/journal/aerospace) (MDPI)

[Journal of Environmental Management](https://www.journals.elsevier.com/journal-of-environmental-management) (Elsevier)

[Journal of Aerospace](https://www.sae.org/publications/collections/content/e-journal-01/) (SAE International)

[International Journal of Sustainable Aviation](https://www.inderscience.com/jhome.php?jcode=ijsa) (Inderscience)

[The Prognostics and Health Management Society (PHM Society)](https://phmsociety.org/)

[Turbo Expo - Turbomachinery Technical Conference](https://event.asme.org/Turbo-Expo) (ASME)

**2013** Selected and sponsored by the [German Aerospace Center (DLR)](https://www.dlr.de/dlr/en/) to attend their programme in [Direct Numerical Simulations and Large Eddy Simulations](http://scart.dlr.de/site/academic-courses/dnsles-course/index.htm) in Göttingen, Germany.

**2010** Full scholarship (tuition fees and living costs) from Cranfield University, to conduct my doctoral research, for the total duration of the programme (2010-2014).

**2009** Selected and supported by Rolls-Royce plc. to conduct my MSc research under the programme [Rolls-Royce University Technology Centre](https://www.rolls-royce.com/about/our-research/research-and-university.aspx) in Performance Engineering at Cranfield University.

**Invited Talks**

**2025 34.** Invited Speaker & Panellist, *“The journey to Autonomous Operations: Building the right foundations”,* [Future Travel Experience EMEA Conference 2025](https://www.futuretravelexperience.com/fte-emea/conferences/?utm_source=Future+Travel+Experience+News&utm_campaign=a6777bf865-FTE_EMEA_2025_06&utm_medium=email&utm_term=0_e5a8fdd64e-a6777bf865-599697025), Dublin, Ireland

**33.** Keynote Speaker, *“Revolutionising aerospace with trustworthy AI”,* [11th China Aviation New Technology Forum 2025](http://www.pincaux.cn/CANTF2025/), Guangzhou, China

**32.** Invited Speaker, *"The pursue for operational efficiency: A long-term airline vision",* [Machining Innovations Conference for Aerospace Industry (MIC 2025)](https://www.mic-conference.com/), Hannover, Germany

**2024 31.** Invited Speaker, *"Digital Innovation for Asset Lifecycle Management and Fleet Operations",* [Cranfield University](https://www.cranfield.ac.uk/gttome), Bedford, UK

**30.** Invited Speaker, *“Are Digital Twins a Good Idea for Airlines?”,* Partner Meetup, Kickstart AI, Amsterdam, The Netherlands

**29.** Panel Speaker, *“Data synergy: Can we unlock aviation’s potential through collaboration?”,* [World Aviation Festival](https://app.aviation-festival.com/event/world-aviation-festival-2024/plannings/RXZlbnRWaWV3Xzc0NTMyNg==?search=apostolidis), Amsterdam, The Netherlands

**28.** Panel Speaker, *“How can AI and data analytics be harnessed to mitigate contrails and drive sustainability in aviation?”,* [World Aviation Festival](https://app.aviation-festival.com/event/world-aviation-festival-2024/plannings/RXZlbnRWaWV3Xzc0NTMyNg==?search=apostolidis), Amsterdam, The Netherlands

**27.** Keynote Speaker, *“Digital Twins for Predictive Airline and Maintenance Operations”,* [ISATECH 2024](https://2024.isatech.org/program/), Ho Chi Minh City, Vietnam

**26.** Invited Speaker, *“Towards Net-Zero Aviation with AI”,* [Georgia Institute of Technology](https://www.netzeroaiworkshop.com/), Atlanta, USA

**25.** Invited Speaker, *“Digital Twins for airline operations”,* [Development Center for Maintenance of Composites DCMC](https://www.composite-maintenance.com/), NLR Royal Netherlands Aerospace Centre, Amsterdam, The Netherlands

**24.** Invited Speaker, *“Industry-wide Data Sharing: Eliminating the Risk for Common Benefits”,* [Aerospace Tech Week, Munich, Germany](https://www.terrapinn.com/exhibition/aerospace-tech-week/)

**2023 23.** Invited Speaker, “*Data Exchange Systems for Aircraft Operations and Maintenance”*, [Amsterdam Data Exchange (AMdEX](https://coe-dsc.nl/events-webinars/amdex-acceleration-event/)), The Netherlands

**22.** [Invited Speaker, *"Applications of AI in Decision Support for Aviation"*, Word Summit AI, Amsterdam, The Netherlands](https://worldsummit.ai/)

**21.** Invited Speaker, *"Trustworthy AI for Safety-critical Applications in Aviation and beyond"*, Ai Tech Summit, Skopje, North Macedonia

**20.** Invited Speaker, *“Towards Sustainable, Data-driven Aircraft Maintenance“,* Mälardalen University, Sweden

**2022 19.** [Invited Speaker, “*Electric flights between the ABC islands*“, Dutch Caribbean Cooperation of Airports, Aruba](https://www.dccaairports.com/)

**18.** [Invited Speaker, “*Condition-Based Maintenance considerations for safety-critical gas turbine applications*“, Aristotle University of Thessaloniki, Greece](chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https:/nextmgt.com/wp-content/uploads/2022/09/NextMGT_Agenda_Workshop_Thessaloniki.pdf)

**17.** [Invited Speaker, *“Artificial Intelligence for Predictive Maintenance in Gas Turbines*“, ISATECH 2022 conference, Belgrade, Serbia](https://2022.isatech.org/invited-speakers/)

**16.** [Round Table, "*Student Preparedness for Academic & Industry Careers*", ASME Turbo Expo 2022, Rotterdam, The Netherlands](https://event.asme.org/Turbo-Expo)

**15.** [Invited Lecture, “*Digital transformation in the aviation maintenance industry: Technology opportunities and human challenges*”, World Class Maintenance, The Netherlands](https://www.worldclassmaintenance.com/event/wcm-regiobijeenkomst-factor-mens-haarlem/)

**14.** [Expert Workshop, "*H-factor: Will European R&D catalyse the clean hydrogen era?*", Science|Business, Belgium](https://sciencebusiness.net/events/h-factor-will-european-rd-catalyse-clean-hydrogen-era)

**2021 13.** [Invited Lecture, “*AI for Aviation MRO*”, Responsible AI Series, IET/The Alan Turing Institute, UK](https://ai-systems.theiet.org/programme/ai-in-transport/speakers/)

**12.** [Web Lecture, ”*AI for Sustainable Aviation MRO*”, AI for Aviation Sustainability, Air France-KLM](https://afkl.sharepoint.com/sites/AI4Sustainability/SitePages/2021-06-01.aspx)

**11.** [Guest Lecturer, “*AI for MRO Scheduling*”, Diagnostics for Industrial Systems and Processes, Mälardalen University, Sweden](https://www.mdh.se/download/18.1a073b58178a0c4743fb0fda/1618580142666/CourseSyllabus_PhD_Diagnostics_KK_AF_VZ_ET_ED_v1.pdf)

**2020 10.** [Discussion Panel, "*How efficient is your airline? Increasing operations with data analytics*", 1st Aviation Sustainability Conference, Dubai](https://www.aviationsustainability.aero/dr-asteris-apostolidis)

**9.** [Guest Lecturer, Gas Turbine Minor, Hogeschool Inholland / HvA, The Netherlands](https://dgta.nl/sgo1/benefits-for-participants/)

**8.** [Keynote Speaker, "*The Future of Aviation Sustainability: Where we currently stand and possible ways forward*", ISEAS / ISATECH 2020 conferences, Kiev, Ukraine](https://2020.iseasci.org/)

**7.** [Round table, "*Future of Aviation Sustainability*", Dubai Airshow, Dubai](https://www.bigmarker.com/tarsus-group1/Future-of-Aviation-Sustainability)

**6.** [Guest Lecturer, "*KLM x VU: Supporting decision making*", Business Analytics MSc, Vrije Universiteit Amsterdam, The Netherlands](https://vuweb.vu.nl/en/education/bachelor/business-analytics)

**2019 5.** [Guest Lecturer, Gas Turbine Minor, Hogeschool Inholland / HvA, The Netherlands](http://www.amsterdamuas.com/aviation)

**4.** Invited speaker, “*Build your own Aircraft Engine Analytics*”, MRO Innovation Fair 2019, KLM E&M, The Netherlands

**3.** [Discussion Panel, “*Gas Turbine Diagnostics*", ISATECH 2019 conference](https://www.icsc-isatech.com/programme/), The Netherlands

**2.** [Round table, “](https://www.hva.nl/kc-techniek/subsites/en/kc-techniek/events/events/2019/04/joint-event-on-mro-innovations.html?origin=oj5yAfbvTDq%2FyYHuBVSk%2Fg)*[Innovation in Aviation MRO](https://www.hva.nl/kc-techniek/subsites/en/kc-techniek/events/events/2019/04/joint-event-on-mro-innovations.html?origin=oj5yAfbvTDq%2FyYHuBVSk%2Fg)*[”, Dutch Aviation Hub for MRO, The Netherlands](https://www.hva.nl/kc-techniek/subsites/en/kc-techniek/events/events/2019/04/joint-event-on-mro-innovations.html?origin=oj5yAfbvTDq%2FyYHuBVSk%2Fg)

**1.** [Guest Lecturer, “*Gas Turbine Data-driven Diagnostics*”, Mälardalen University, Sweden](https://www.mdh.se/est/personal/era?l=en_UK)

**PhD External Examiner**

**2025 4.** Wilhelm Söderkvist Vermelin, “*Data-Driven Remaining Useful Life Prediction of*

*Energy-Intensive Industrial Assets”,* PhD Licentiate thesis, Mälardalen University, Sweden

**2023 3.** Simon Mählkvist, “*Cost-Conscious Analytics and Decision Support for Industrial Batch Processes”,* PhD Licentiate thesis, Mälardalen University, Sweden

**2.** Mikael Stenfelt, “*On model based aero engine diagnostics”*, PhD Licentiate thesis, Mälardalen University, Sweden

**2022 1.** Marios Kefalas, *“Data-driven Predictive Maintenance and Time-Series Applications”*, PhD Thesis, Leiden University, The Netherlands

**Student Supervision**

**Company Supervisor**

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| **Leiden University** | Marios Kefalas | PhD Research |
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| **Delft University of Technology** | Bruno Lapré, Bas van de Walle, Bastiaan Röell, Stijn van Vuuren | MSc Thesis |
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| **University of Amsterdam** | Kim Tigchelaar, Antara Chakrabarty, Priyanka Atwani | Msc Thesis |
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|  | Manoviraj Singh Shergill, Carlos Dos Santos Pereira Malveiro, Sahil Panse, Wouter van der Wal, Mihkel Talmar, Punith Mishra | JIP / MSc |
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| **International Hellenic University** | Georgios Iatrou | MSc Thesis |
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| **Vrije Universiteit Amsterdam** | Osman Azizi | MSc Thesis |
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|  | Lisette Bakker, Simon Donker van Heel, Rens Gerrits, Michiel Kempkens, Charissa Kertowidjojo, Saad Anwar, Osman Azizi, Brigitte Boorsma, Berend Markhorst, Alexander Mijatovich | BSc Project |
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| **Amsterdam University of Applied Sciences** | Thom van Poortvliet | BSc Project |

**Academic Supervisor**

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| **Cranfield University** | Syed Atif Shafi, Tomás Baudin Lastra | MSc Thesis |
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|  | Jinan Ejaz Khawer | Pre-Masters |
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| **Amsterdam University of Applied Sciences** | Cengiz Topçuoğlu, Tom Apeldoorn, Onell Izhak, George Ottens,  Benjamin Sarkodie, Dave Peijnenburg, Stijn Donckers,  Hafid Herbrands, Floor Franken | BSc Project |

**Peer-Reviewed Publications** [[Google scholar](https://scholar.google.com/citations?user=Ocz8SvgAAAAJ&hl=en)]

**2024 17.** Apostolidis, A.; Le Dantec, S.; Stamoulis, K.P. *“Towards Trustworthy Data-driven Gas Turbine Prognostics”*. ICAS Proceedings, 2024.

<https://www.icas.org/ICAS_ARCHIVE/ICAS2024/data/papers/ICAS2024_0793_paper.pdf>

**16.** Apostolidis, A.; Donckers, S.; Peijnenburg, D.; Stamoulis, K.P. *“Electric Aircraft Operations: An Interisland Mobility Case Study*. Aerospace 2024, 11, 170. <https://doi.org/10.3390/aerospace11030170>

**15.** Donckers, S., Stamoulis, K.P., Apostolidis, A., “*Battery-Electric Aircraft Flight Operations for Interisland Mobility*”, J. Phys.: Conf. Ser. 2716 012009 <https://doi.org/10.1088/1742-6596/2716/1/012009>

**14.** Volker, A., Stamoulis, K.P., Schoemaker, C., Apostolidis, A., van Tongeren, D., Poppe, R., Bekkema, B., Martina, Q., *“A Novel, Non-Contact NDT Scanner Case Study: Thickness Measurement, Debonding and Defects Detection in Metallic and Composite Parts”,* J. Phys.: Conf. Ser. 2692 012024 <https://doi.org/10.1088/1742-6596/2692/1/012024>

**2022 13.** Apostolidis, A., Bouriquet, N., Stamoulis, K.P., “*AI-Based Exhaust Gas Temperature Prediction for Trustworthy Safety-Critical Applications”,* Aerospace 9 (11), 722.

<https://doi.org/10.3390/aerospace9110722>

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