



Heersh Saleem Ahmed

Aerospace Engineering

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SOCIAL MEDIA

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PROFILE

I aspire to pioneer aviation development in my country and seek to leverage my technical skills in a challenging setting, contributing significantly to an organization's success.

EDUCATION

09.2007 - 07.2008	School: Kurdistan Preparatory for Boys (Scientific-Section) the end of the academic. Total Marks (640/7) six hundred & only forty, Erbil - Iraq.
11.2009 - 07.2010	Russian language at Kuban State Technical University in Krasnodar, Russia. Russian Study.
09.2010 - 07.2014	Kazan National Research Technical University named after A.N. Tupolev – KAI, Bachelor's degree, Russia. Aerospace Engineering.
09.2014 - 07.2016	Kazan National Research Technical University named after A.N. Tupolev – KAI, Master's degree, Russia. Flight - Type Engines.
09.2015 - 05.2016	Certificate of Completion for the Need4speak English Language Course in Kazan, Russia. English Study.
09.2017 - 07.2021	Kazan National Research Technical University named after A.N. Tupolev – KAI, Candidate of Sciences (PhD), Russia. Aviation and Rocket Space Technology.
09.2018 - 06.2021	International Center for Training, Technology Education and Business Development, Russia. Interpreter in the Field of Professional Communication.
11.2021 - 12.2021	Salahaddin University - Erbil / Language Centre, Erbil. English Study.
01.2022 - 07.2022	Salahaddin University - Erbil / Pedagogy Centre, Erbil. The Course of Pedagogical Training for Teacher Professional.

EXPERIENCE

2019 - 2021	Kazan National Research Technical University named after A.N. Tupolev – KAI, Russia. Laboratory assistant (Turbojet engine TJ-100A-Z).
09.2021 - present	Salahaddin University - Erbil. College of Engineering, Aviation engineering department. Lecturer.

Teaching experience:

- Aviation Legislation.
- Power Devices of Unmanned Aircraft.
- History of the Ukrainian State and Culture.
- Thermodynamics and Theory of Heat Engine.
- Aviation Security and Flight Safety Management System.
- Flaw Detection and Non-Destructive Methods of Control of Aircraft and Aircraft Engine.

LANGUAGES

Kurdish	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	Microsoft Office.	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Russian	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	Programming NX for engineering	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
English & Persian	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	design.	
Arabic	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	GRAD to gas dynamic analysis of aircraft engines.	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>

SOFTWARE SKILLS

SKILLS

- ✓ Good communication - written and oral skills
- ✓ Good conceptual and analytical skills
- ✓ Effective interpersonal skills

PERSONALITY

- Communicative
- Creativity
- Punctuality
- Organized

PUBLICATIONS AND CONFERENCES

Publications in peer-reviewed scientific publications recommended by the Higher Attestation Commission (HAC):

1. Ahmed, H.S.A. Multimode identification of obtaining an adequate model of a gas turbine engine for diagnostics based on thermogasdynamic parameters / H.S.A. Ahmed, B.M. Osipov // Bulletin of the Moscow Aviation Institute. - 2020. - T. 27. - No. 1. - P. 133 - 143.
2. Ahmed, H.S. Multi-mode identification of obtaining an adequate model of the TJ-100A-Z turbojet engine for diagnostics based on thermogasdynamic parameters / H.S. Ahmed, B.M. Osipov // Bulletin of PNIPU. Aerospace engineering. - 2020. - No. 60. - P. 5 - 14.
3. Ahmed, H.S.A. Diagnostic algorithm using a mathematical model of a gas turbine engine / H.S.A. Ahmed, B.M. Osipov // Bulletin of the Moscow Aviation Institute. - 2020. - T. 27. - No. 3. - P. 155 - 166.
4. Ahmed, H.S. Diagnostics of a gas turbine engine with localization of defects in its components / H.S. Ahmed, B.M. Osipov // Bulletin of PNIPU. Aerospace engineering. - 2020. - No. 61. - P. 12 - 21.
5. Ahmed, H. S., and B. M. Osipov. "Algorithm for Gas Turbine Engine Diagnostics with the Use of Empirical Mathematical Model." Russian Aeronautics 64 (2021): 297-304.
6. Ахмед, Х.С, and Б.М.Осипов. "Алгоритм диагностики газотурбинного двигателя с использованием математической модели, полученной по экспериментальным данным." Известия высших учебных заведений. Авиационная техника 2 (2021): 113-119.

Publications in collections of scientific papers, conference materials:

7. Ahmed, H.S. Development of a software module for diagnosing aircraft engines using thermogasdynamic parameters / B.M. Osipov, L.E. Urmanova, H.S. Ahmed // International student scientific conference “generation of the future”. - St. Petersburg. - 2018. - P. 133 - 138.
8. Ahmed, Heersh Saleem Ahmed. Improvement of a low-emission combustion chamber of a double-circuit gas turbine engine for a passenger aircraft for toxic emissions reduction/ Heerssh Saleem Ahmed Ahmed, L.E. Urmanova//International scientific journal “Innovative Development”. -Perm, 2018. -No. 9 (26). - P. 30-33.
9. Ahmed, Heersh Saleem Ahmed. Multimode identification of obtaining an adequate gas turbine engine model for diagnostics based on thermogasdynamic parameters / H.S.A. Ahmed, B.M. Osipov // All-Russian scientific and technical conference of young scientists and specialists “Aircraft engines and power plants”. - Moscow, 2019. - T. III. - P. 129 - 131.
10. Ahmed, H.S. Diagnostics of an aircraft engine using thermogasdynamic parameters / H.S. Ahmed, B.M. Osipov // Tinchurinsky readings, program of the XIV International Youth Scientific Conference. - Kazan, 2019. - T. II. - P. 79 - 82.
11. Ahmed, H.S. A. The use of generalized characteristics of the compressor and turbine in obtaining a mathematical model of the TJ-100 gas turbine engine for multi-mode identification / Heersh Saleem A. Ahmed, B.M. Osipov // International youth scientific conference “XXIV Tupolev Readings School of Young Scientists”. - Kazan, 2019. - T. III. - P. 186 - 189.
12. Ahmed, Heersh Saleem Ahmed. "The Need for Development of Pumped storage Power Plants in Russia." In XXIV Tupolev Readings (school of young scientists), pp. 439-442. 2019.