Curriculum Vitae

Personal information

First name(s) / Surname(s)	Mohamed Sayed Mohamed Soliman Osman
Address(es)	Al Qanatir Al Khayriyah, Al Qalyubiyah, Egypt
Telephone(s)	002-01021210267 Home: 002-0242194377
E-mail	Eng_salo_0100@yahoo.com Eng_salo_0100@eng.psu.edu.eg
Nationality	Egyptian
Date of birth	12/08/1984
Gender	Male

Work experience

Dates	From December 2019 till now
Occupation or position held	Lecturer at Faculty of Engineering, department of Mechanical Power Engineering, Port Said University, Egypt.
Dates	From December 2014 till June 2019
Occupation or position held	Researcher Assistant (PhD student) at National Research University "Moscow Power Engineering Institute" (MPEI), Institute of Power Machinery and Mechanics, Department of Steam and Gas Turbines, Russia.
Dates	From May 2012 till December 2014
Occupation or position held	Employed as an Assistant Lecturer at the Port Said University, Faculty of Engineering, Port Said, Mechanical Power Engineering Dept.
Dates	From December 2006 to May 2012
Occupation or position held	Employed as a demonstrator at the Suez Canal University Previously, Port-Said University currently, Faculty of Engineering, Port Said, Mechanical Power Engineering Dept.
Main activities and responsibilities	Teaching, Research

Education and training

Dates	June 2019
Title of qualification awarded	Doctoral Degree in Mechanical Power Engineering
Principal subjects/occupational skills covered	Thesis title: Study Methods of Improving the Effectiveness of Diffuser Transition Pipes of Combined-Cycle Power Plants.
Name and type of organisation providing education and training	National Research University "Moscow Power Engineering Institute" (MPEI), Institute of Power Machinery and Mechanics, Department of Steam and Gas Turbines, Russia.
Dates	March 2012
Title of qualification awarded	Master's degree in mechanical Power Engineering.
Principal subjects/occupational skills covered	Mixing of a Coaxial Jet
Name and type of organisation providing education and training	Faculty of Engineering, Port Said, Mechanical Power Engineering Department I, Port-Said University
Dates	May 2006
Title of qualification awarded	Bachelor's Degree in mechanical Power Engineering
Principal subjects/occupational skills covered	Graduation Project: Natural Gas Combustion, Emissions and Characteristics

Name and type of organisation providing education and training	Faculty of Engineering, Port Said, Mechanical Power Engineering Department I, Suez Canal University Previously, Port-Said University currently
Level in national or international classification	Very Good

Personal skills and competences

Mother tongue(s)	Arabic
Other language(s)	Russian
Other language(s)	English

Self-assessment	Understanding		Speaking		Writing
European level (*)	Listening	Reading	Spoken interaction	Spoken production	
English	C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user

(*) Common European Framework of Reference for Languages

Simulation and Calculation programs

1. Ansys, Fluent
2. EES.

Annexes

Publications

Journals

1- Mohamed, S. soliman, Gamal, H., Moustafa Atef, A., El-Din, 2012. Numerical Study of Mixing in a Coaxial Variable Density Turbulent Axisymmetric Jets. Port Said Engineering Journal, vol. 16, No. 1, pp. 24-32.

2- Dmitriev, S.S., Vasil'ev, K.E., Mokhamed, S.M.S.O. Experimental study of the possibility of reducing the resistance and unevenness of output field of velocities in flat diffuser channels with large opening angles. Therm. Eng. 64, 802–809 (2017). DOI: 10.1134/S0040601517110040.

3- Dmitriev S.S., Mokhamed S.M.S.O., Barbashin A.V. Improving the Aerodynamic Performance of Wide-Angle Flat Diffusers. MPEI Vestnik. 2018; 6:19—26. DOI: 10.24160/1993-6982-2018-6-19-26.

4- Dmitriev, S.S., Mokhamed, S.M.S.O. & Barbashin, A.V. Analysis of Pressure Pulsations on the Wall in a Flat Diffuser Channel in Unseparated and Separated Flow Regimes. High Temp 57, 100–106 (2019). DOI: 10.1134/S0018151X1901005X.

Conferences

1. XXIII-XXIV Международных научно-технических конференциях «Радио-электроника, электротехника и энергетика» МЭИ, Москва, 2017 – 2018 г.
2. Заседании газодинамического семинара кафедры Паровых и газовых турбин НИУ "МЭИ" 28.02.2019г.
3. Mostafa, M., Elsakka, M. M., Soliman, M. S., El-Ghandour, M. (2023). Condition Monitoring as a Pathway for Sustainable Operation: A Case Study for Vibration Analysis on Centrifugal Pumps. Proceedings of the First International Conference on Engineering Solutions toward Sustainable Development, 2-3 May 2023.

Teaching:

A. Port-Said University, Faculty of Engineering.

1. Mechanical Power Engineering Dept.

1.1. Fluid Mechanics 1

1.2. Fluid Mechanics 2

1.3. Thermodynamics 1

1.4. Thermodynamics 2

1.5. Measurements

1.6. Gas Dynamics

1.7. Compressors

1.8. Turbomachinery

1.9. Thermal and Nuclear Power Plants

1.10. Aerodynamics

1.11. Turbulence

2. Production engineering and mechanical design Dept.

2.1. Thermodynamics and Heat Engines

2.2. Fluid Mechanics and Hydraulic Machines

3. Naval Architecture and Marine Engineering Dept.

3.1. Thermodynamics

4. Natural Gas Engineering Program.

4.1. Fluid Mechanics

4.2. Thermodynamics

4.3. Multiphase Flow

4.4. Turbomachinery

4.5. Natural Gas Fluid Properties

4.6. Natural Gas Pipeline Networks

5. Chemical Engineering Dept.

5.1. Fluid Mechanics

5.2. Energy Resources and Management

B. Arab Academy for Science, Technology & Maritime Transport., Faculty of Engineering and Technology.

B.1. Fluid Mechanics 1

Research Interests

1. Renewable Energy
2. Gas Dynamics
3. Turbomachinery
4. Compressed Air Energy Storage
5. Desalination System Integrated with Geothermal Energy