


Personal CV

Name:	Abdulmaged K. A. Shati	
Date of birth:	1970-10-10	
Nationality:	Libyan	
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Qualification:

- **B.Sc. degree** in Mechanical Engineering, Thermal Power department, with overall average very good, Tripoli University, Tripoli, Libya 1993.
- **M.Sc Degree** in the area of Propulsion theory of Aeronautics and Astronautics, at BUAA University, China 2001. Dissertation title: “*Investigation of Thermodynamic calculations and program design for rocket engines*”
- **PhD** in the area of Thermo-fluid “Heat transfer in cavities”, at Sheffield University, The United Kingdom 2012. Thesis title: “*The interaction between radiation and turbulent natural convection in square and rectangular enclosures*”

Employment experience:

- **Mechanical Engineer** in the Solar Energy Research Center Tripoli,(for ten months 1994)
- **A researcher engineer** in Electronic research center, Tripoli, drawing , design some mechanical parts, and sharing other engineers in engine testing and the analysis of the engine testing results(1996-1998).
- **Head of engine department** in Electronic research center, Tripoli, from 2001 to 2005, leading the group of the engine for design some engine parts and making the cold and the hot engine tests.
- **Lecturer** in the Department of Mechanical Engineering at University of Zawia, Zawia-Libya.(2005-2006).

- **Head of Mechanical Engineering Department** at University of Zawia, Zawia-Libya. (2006-2008).
- **Working as an Inspector (part time)** with Algebal company (2009-2011).
- **Head of General Science Department** at Zawia-Faculty of engineering, University of Zawia, Zawia-Libya, (2013).
- **Assistant professor** the Department of Mechanical Engineering at University of Zawia, Zawia-Libya, (2013)
- **Head of Quality Department** at Zawia-Faculty of engineering, University of Zawia, Zawia-Libya, (2013- 2014).
- **Head of Assessment and continuation Department** at the Program of Reinforcement and Development skills of University Academic staff members, University of Zawia, Zawia-Libya, (2014- 2019).
- **Head of strategic planning administration** at the scientific research and consultant center, University of Zawia, Zawia-Libya, (2019-up to now).
- **Working as a trainer** at the program of Reinforcement and Development skills of University Academic staff members, University of Zawia, Zawia-Libya, (2014- up to now).
- **Head of Development and Institutional Excellence Department** at the Ministry of Higher Education and Scientific Research, Tripoli-Libya, (2021).

Teaching experience:

- Teaching under graduate students the following courses: Heat transfer I, Thermodynamics II, Fluid mechanics I, Measurements, Numerical analysis and Mechanical drawing at Zawia University.
- Teaching two courses in the post graduate (master degree) convection heat transfer and radiation heat transfer.
- Supervision a final projects for bachelor and master students at Zawia University.
- Demonstrating Computational fluid dynamic laboratory at Sheffield University.
- Helping supervision projects for bachelor, master and PhD students at Sheffield University.
- Teaching people to use solid works software 2006-2015 to draw 2D and 3D simple and complex parts.

Training experience:

- Training the University Academic staff members for the following training courses (How do people learn, teaching big and small groups, the course design, designing and writing the aims and learning outcomes and how to make effective presentation (presentation skills)(more than 1000 trainees taken the courses).
- Training people in the university (by making multi workshops) how to make the full faculty quality subjective study (to apply for recognition).
- Training staff members in the primary and secondary schools with the cooperative with the Libyan society for research and development to make the full assessment for the teaching system in Libya.
- Training staff members in the private schools for the teaching skills.
- Design a set of training programs at the Ministry of Higher Education.
- Leading and implementing four training programs in the Ministry of Higher Education, which included the implementation of forty-two training bags for twenty-six universities.

Field of interests:

- Leading training centers and departments, planning training programs, evaluating training programs, working as a trainer, leadership and evaluation expert.
- Thermal power field: Fluid mechanics and computational fluid dynamics, Thermodynamics, Heat transfer and heat exchangers, and Numerical analysis. Studying the flow behavior and the heat transfer on surfaces and in channels and inside enclosures using (Ansys software as a numerical analysis (CFD) tool), and in a practical analysis using the data acquisition and PID controller to collect and control the thermal data and the laser Doppler velocimetry and the particle imaging velocimetry to show the velocity profiles.

Training Courses:

- Teaching small group, Sheffield, UK, 2011.
- Teaching big group, Sheffield UK, 2011.

- Laboratory Demonstration, Sheffield UK, 2011.
- Assessment and Feedback, Sheffield UK, 2011.
- Supervising Research projects, Sheffield UK, 2011.
- Leadership, Nottingham, UK, 2012.
- Personal Strategic Planning, Manchester, UK, 2013.
- Leading a teamwork, Subrata, Libya, 2013.
- Monitoring and Evaluation, Zawia, Libya 2014.
- Select and achieve your goals, Tripoli, Libya 2014.
- Managing outstanding performance, Tripoli, Libya 2014.
- Teaching and teachers skills, Tunis, Tunisia 2015.
- Project cycle management, E-learning course, UNIGOV 2016.
- Training of trainers (TOT) course, Sousa, Tunisia 2017.
- Diplomatic and Consular Work course ,Zawia, Libya 2019.
- Training of trainers (TOT) course, Istanbul, Turkey, 2019.
- Training assessment course, Hamamat, Tunisia, 2022.
- Design of training courses, Hamamat, Tunisia, 2022.
- Diploma of Training from Unite Arab Trainers, Hamamat, Tunisia, 2022.

Soft wares:

- Solid work and AutoCAD design drawing.
- Fluent and Gambit software.
- Ansys-software, design model meshing and Fluent program.

Positions:

- **Head of engine department**, Tripoli research center, Tripoli, from (2001-2005).
- **Head of Mechanical Engineering Department** at University of Zawia, Zawia-Libya.(2006-2008).
- **Head of General Science Department** at Zawia-Faculty of engineering, University of Zawia, Zawia-Libya, (2013).
- **A Founder member of the British Libyan Community Association (BLCA)**, (2011-2012).
- **Head of Quality Department** at Zawia-Faculty of engineering, Zawia University,

Zawia-Libya, (2014).

- **Head of Assessment and continuation Department** at the Program of Reinforcement and Development of University Academic staff members skills, University of Zawia, Zawia-Libya, (2015-2019).
- **Head of strategic planning administration** at the scientific research and consultant center, University of Zawia, Zawia-Libya, (2019).
- **Head of Development and Institutional Excellence Department** at the Ministry of Higher Education and Scientific Research, Tripoli-Libya, (2021).

Publications:

Journal papers:

1. Shati , A. K. A., Blakey, S. G., and Beck , S. B. M. (2011). The effect of surface roughness and emissivity on radiator output. *Energy and Buildings*, (43) 400-406.
2. Shati, A. K. A., Blakey, S. G., and Beck, S. B. M. (2012). A dimensionless solution to radiation and turbulent natural convection in square and rectangular enclosures. *Journal of Engineering Science and Technology*, (7) (2) 257-279.
3. Shati, A. K. A., Blakey, S. G., and Beck, S. B. M. (2013). An empirical solution to turbulent natural convection and radiation heat transfer in square and rectangular enclosures. *Applied Thermal Engineering*, (51) 364-370.
4. Shati, A. K. A., Wijissekera, R., Martin, A. and Beck, S. B. M. (2014). The effect of magnetic shiny sheets on radiator output. *University Bulletin*, (19)-(1) 101-116.
5. Shati, A. K. A., Woolly, R. M. and Beck, S. B. M. (2017). Experimental and three dimensional numerical profiles for natural convection with radiation interaction inside square and rectangular enclosures. *International Science and Technology Journal*, (10)

6. Shati, A. K. A., Woolly, R. M. and Beck, S. B. M. (2017). An Experimental and 3d Numerical Study for Natural Convection with Radiation inside rectangular enclosures. University Bulletin, (19)-(2) 43-56

Conference papers:

1. Shati, A. K. A., Blakey, S. G., and Beck, S. B. M. (2011). Polynomial dimensionless equations to solve natural convection with radiation in rectangular enclosures. The 12th UK National Heat Transfer Conference 30 August to 1st September, Leeds.
2. Shati, A. K. A., Wijissekera, R., Martin, A. and Beck, S. B. M. (2014). The effect of magnetic shiny sheets on radiator output. Proceedings of SEEP 2014, 23-25 November 2014, Dubai-UAE.
3. Shati, A. K. A. and Alshamili, M. A. A. (2017). The effect of radiator size and thermal properties on radiator output. 1st Conference of Industrial Technology (CIT2017), Musrata, Libya.

References:

1. Professor Stephen Beck, Sheffield University, UK, s.beck@sheffield.ac.uk
2. Professor Abdulhafid Elfaghi, Zawia University, Libya, hafied@yahoo.com