

سيرة ذاتية - CV

Title & Name	Dr. Ali I. Zwebek. أ.د. علي امحمد إبراهيم الزويك	
Date & Place of Birth	01 / July / 1961 Rehebat – Libya الرحيبات / قطر	
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University Degrees	<p>B.Sc. Aeronautical Engineering, University of Tripoli, Tripoli-Libya, September 1985. بكالوريوس هندسة طيران، جامعة طرابلس، طرابلس - ليبيا، سبتمبر 1985.</p> <p>M.Sc. Rotating Machinery and Management, Cranfield University, UK, June 1994. ماجستير - هندسة آلات دوارة وإدارة هندسية، جامعة كرانفيلد، المملكة المتحدة، يونيو 1994.</p> <p>Ph.D. Combined Cycle Performance Deterioration Analysis, Cranfield University, UK, March 2002. دكتوراة - تحليل تناقص أداء الدوائر المزدوجة، جامعة كرانفيلد، المملكة المتحدة، مارس 2002.</p>	

Work Experience	<ul style="list-style-type: none"> ▪ Teaching assistant at Engineering Academy - October 1985 – January 1991. Taught courses are: <ul style="list-style-type: none"> ✓ Engineering Drawing. ✓ Workshop Technology. ✓ Gas Turbine Theory. ▪ Work shop supervisor (Lath Shop-Including CNC Machines, Milling Machine Shop, Grinding Machine Shop, Slotting Machine Shop, and Welding workshop) at Engineering Academy, Oct. 1985 – Jan. 1991. ▪ Lecturer at Engineering Academy - May 1994 – September 1997. Taught courses are: <ul style="list-style-type: none"> ✓ Steam Turbine Technology. ✓ Gas Turbine Technology. ✓ Power Plant Technology. ✓ Workshop Technology. ▪ Deputy chair of Engineering Academy, Tajoura Engineering Academy, 9/2011 – 12/2012. ▪ Staff member of mechanical engineering department, Tajoura Engineering Academy, 2002 - 2015, Taught courses are: <ul style="list-style-type: none"> • Engineering Drawing. • Workshop Technology. • Thermodynamics, I &II. • Heat Transfer, I & II • Aircraft Propulsion, I &II. • Gas Turbine Technology. • Steam Turbine Technology. • Combined Cycle Power Plants. • Power Plant Engineering. • supervision of B.Sc. projects ▪ Staff member of Aeronautical Engineering Department, faculty of engineering, Zawia University, January 2016 August 2018. ▪ Currently Staff member of Aeronautical Engineering Department, faculty of engineering, University of Tripoli. ▪ Part Time Working: <ul style="list-style-type: none"> ✓ Aeronautical Engineering department, faculty of engineering, Tripoli University, 2003-2008 and 2014-2018. Teaching the subjects of thermal power engineering, and supervision of B.Sc. projects. ✓ Academy of Graduate Studies, mechanical engineering department, 2007-2009. Supervising research work for M.Sc. students. ✓ Aeronautical Engineering department, faculty of engineering, Zawia University, 2008-2015. Teaching the subjects of thermal power engineering, and supervision of B.Sc. projects. ✓ Al-Khoms University, faculty of engineering, Mechanical Engineering department, 2004-2009. Teaching the subject of Advanced Power Plant Technology, and supervision of M.Sc. projects.
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Publications

Thesis and Research Projects:

1. **Zwebek, A. I.**
Subsonic Wind Tunnel Design. B.Sc. Project, Aeronautical Engineering, Tripoli University, Tripoli-Libya, September 1985.
2. **Zwebek, A. I.**
One Giga Watt Industrial Gas Turbine Design. M.Sc. Thesis, Cranfield University, UK, September 1993.
3. **Zwebek, A. I.**
Combined Cycle Performance Deterioration Analysis. Ph.D. Thesis, Cranfield University, UK, March 2002.

Papers:

1. **Zwebek, A. I. and Pilidis, P.**
Degradation effects on Combined Cycle Power Plant Performance – Part I: Gas Turbine Cycle Component Degradation Effects. ASME Paper 2001-GT-388. Transactions of ASME, Journal of Engineering for Gas Turbine and Power, Volume 125, Number 3, July 2003.
2. **Zwebek, A. I. and Pilidis, P.**
Degradation of Combined Cycle Power Plant Performance – Part II: Steam Turbine Cycle Component Degradation Effects. ASME Paper 2001-GT-389. Transactions of ASME, Journal of Engineering for Gas Turbine and Power, Volume 125, Number 3, July 2003.
3. **Zwebek, A. I. and Pilidis, P.**
Degradation of Combined Cycle Power Plant Performance – Part III: Gas and Steam Turbine Cycles Component Degradation Effects. ASME Paper GT-2002-30513. Transactions of ASME, Journal of Engineering for Gas Turbine and Power, Volume 126, Number 2, April 2004.
4. **Zwebek, A. I. and Pilidis, P.**
Feasibility Study on Designing One Giga Watt Industrial Gas Turbine. 4th International Engineering Conference, Mansoura – Sharam El-Shekh, April 20-22, 2004, Egypt 2004.
5. **Zwebek, A. I. and Pilidis, P.**
Application of GPA to Combined Cycle Gas Turbine Plants. ASME Paper, GT-2004-53026, ASME TURBO EXPO 2004 Power for Land, Sea, & Air 2004, June 14–17, 2004 , Vienna, Austria, 2004.
6. **Abdurazag M. Ghila and Zwebek, A. I.**
Numerical Investigation of Tip Stall Growth in Axial Flow Fans. Proceedings of IMEC-2004 International Mechanical Engineering Conference, December 5-8, 2004, Kuwait, IMEC2004-FM201-CP, 2004.

7. **Zwebek, A. I. and Ramadan, H. S.**
Repowering Considerations for West Tripoli Steam Power Plant. 5th International Engineering Conference, Mansoura – Sharam El-Shekh, March 27 – 31, 2006, Egypt 2006.

8. **Issa M. Baghni and A. I. Zwebek**
Using of Congruent Phosphate as Equilibrium Phosphate Boilers Water Treatment Considerations. OPTI 2009, 11th International Conference on Optimum Design of Structures and Materials in Engineering, Algarve, Portugal, 2009.

9. **M. S. T. Zawia, A. I. Zwebek, and A. M. Shalawh**
Effect Of Air Cooling Before Compressor Inlet On Gas Turbine Performance Characteristics. Third International Engineering Conference of the Higher Institute of Al-Koms, Al-Koms, Libya, 2012.

10. **A. I. Zwebek, K. Addhedeh and Issa M. Baghni**
Industrial Gas Turbine Performance Deterioration Analysis. The XXXII International Conference on Sustainable Energy and Environmental Engineering. Paris, France, 2012.

11. **Issa M. Baghni and Ali I. Zwebek**
Rehabilitation of a Large Evaporative Cooling System. International Conference on Mechanical and Industrial Engineering (ICMIE'2013) August 28-29, 2013 Penang (Malaysia), 2013.