

سيرة ذاتية - CV

Title & Name	Dr. Ali I. Zwebek. أ.د. علي امحمد إبراهيم الزويبيك	
Date & Place of Birth	01 / July / 1961 Rehebat – Libya الرحيبات / قطرس	
Scientific Degree	Professor أستاذ	
Nationality	Libyan ليبي	
Religion	Islam الإسلام	
Languages	English الإنجليزية	
Permanent Address	Beir Austa Milad بنر الأسطى ميلاد Ayn Zara عين زارة Tripoli – Libya طرابلس - ليبيا	
Country of Origin	Libya	
Electronic Mail	Gotross@yahoo.co.uk	
Mobile phone	+218 91 515 8038 +218 92 515 8038	
University Degrees	B.Sc. Aeronautical Engineering, University of Tripoli, Tripoli-Libya, September 1985. بكالوريوس هندسة طيران، جامعة طرابلس، طرابلس - ليبيا، سبتمبر 1985. M.Sc. Rotating Machinery and Management, Cranfield University, UK, June 1994. ماجستير - هندسة آلات دوارة وإدارة هندسية، جامعة كرانفيلد، المملكة المتحدة، يونيو 1994. Ph.D. Combined Cycle Performance Deterioration Analysis, Cranfield University, UK, March 2002. دكتوراة - تحليل تناقص أداء الدوائر المزدوجة، جامعة كرانفيلد، المملكة المتحدة، مارس 2002.	

Work Experience

- **Teaching assistant at Engineering Academy** - October 1985 – January 1991. Taught courses are:
 - ✓ 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:
 - ✓ 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:
 - 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:**
 - ✓ 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.

Publications

Thesis and Research Projects:

- 1. Zwebek, A. I.**
Subsonic Wind Tunnel Design. B.Sc. Project, Aeronautical Engineering, University of Tripoli, 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.