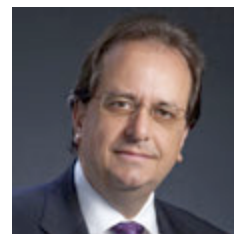


# SHORT CURRICULUM VITAE

## ANESTIS I. KALFAS



### **CONTACT DATA**

#### **ANESTIS I. KALFAS**

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Egnatia Str., GR-54124 Thessaloniki, Greece,  
tel. +302310994166, email: [kalfasa@asme.org](mailto:kalfasa@asme.org) web site: <http://users.auth.gr/akalfas>  
Born in 1967 in Thessaloniki, Greece, married with two children.

### **CURRENT POSITION**

Anestis Kalfas is a Tenured Associate Professor in Turbomachinery. He belongs to the academic staff of the Laboratory of Fluid Mechanics and Turbomachinery of the Department of Mechanical Engineering of the Aristotle University of Thessaloniki (AUTH). He specializes in Fluid Mechanics with emphasis on experimental and theoretical study of turbines. He has taught a number of undergraduate and post-graduate courses, and has supervised more the ten PhD and more than 100 Master's students. He is a life member of the ASME and the Technical Chamber of Greece.

### **EDUCATION and PROFESIONAL CARRIER**

Anestis Kalfas received his PhD in Turbomachinery Aerodynamics from Cranfield University in 1994 and, in 1989, his 5-year engineering degree Dipl.-Ing. in Mechanical Engineering from the Aristotle University of his native Thessaloniki. He served as an Aircraft and Power Engineer at the Hellenic Air Force before returning to Turbomachinery research as a Research Associate at the Whittle Laboratory, University of Cambridge, where he supervised undergraduate students in Fluid Mechanics and Heat Transfer at Girton College. He went on to work as Senior Scientist at the Turbomachinery Laboratory of the Swiss Federal Institute of Technology (ETH) in Zurich, where he lectured in Turbomachinery Design. He has working proficiency in a number of languages including his native Greek, English, French as well as communication skills in Swiss German, Italian and Spanish.

### **RESEARCH INTEREST**

Anestis Kalfas is active in the areas of axial steam-turbine aerodynamics, gas-turbine aerodynamics and heat transfer, gas-turbine performance and power plant optimization, hybrid power generation systems for isolated and integrated networks, boundary layer transition and turbulence, fluid mechanics and instrumentation for medical applications, novel pressure, temperature, entropy as well as droplet and particle probe technology for turbomachinery.

### **AWARDS – DISTINCTIONS**

2016 Invited Lecturer, International Symposium on Rotating Machinery  
2012 IGTI-ST Best Paper Award, Steam Turbines Committee, ASME/IGTI  
2009 IGTI-CI Best Paper Award, Cycle Innovations Committee, ASME/IGTI  
2008 Outstanding Paper Award in Fluid Mechanics – Measurement Science and Technology, IoP  
2007 IGTI-CDI Best Paper Award, Control Diagnostics and Instrumentation Committee, ASME/IGTI  
2001 Lecturer evaluated with the highest score, ETH Zurich, Switzerland  
1984 Academic Award and Scholarship, Aristotle University of Thessaloniki, Greece

### **PROFESSIONAL ACTIVITY**

AMERICAN SOCIETY OF MECHANICAL ENGINEERS	Life Member	since	10 OCT 1996
INTERNATIONAL GAS TURBINE INSTITUTE (ASME/IGTI)			

COMMITTEE	Founding Chair of the Steam Turbines Committee, Member of the Awards Committee of IGTI, Member of Turbomachinery Committee, Chair of the Cycle Innovations Committee
JOURNAL EDITING	Associate Editor, Transactions of ASME, Journal Turbomachinery Guest Associate Editor, Transactions of ASME, Journal Engineering Gas Turbines and Power
REVIEWER	Transactions of ASME Journal of Turbomachinery Transactions of ASME Journal of Engineering of Gas Turbines and Power Measurements Sciences and Technology Proceedings of the IMechE, Part A, Journal of Power and Energy Proceedings of the IMechE, Part D, Journal of Automobile Engineering Proceedings of the IMechE, Part G, Journal of Aerospace Engineering AIAA Journal of Propulsion and Power Engineering Applications of Computational Fluid Mechanics Simulation Modeling Practice and Theory Experiments in Fluids Applied Energy European Turbomachinery Conference, Fluid Mechanics and Thermodynamics ASME Turbo Expo
CONFERENCE ORGANISING	ASME Turbo Expo 2014, Technical Program Chair ASME Turbo Expo 2015, Vice Review Chair Organiser at ASME Turbo Expo for up to 15 years and various positions including Vanguard Chair, Session Chair and Vice Chair Organiser of XVII Symposium of Measuring Techniques in Turbomachinery, Scientific Comm. Member, VI International Conference of Aerospace Medicine
SPONSORED RESEARCH	Mitsubishi Heavy Industries, Toshiba Corporation, Hitachi, ABB Turbosystems, Alstom Power, Rolls Royce Deutschland, Honda Greece, Endress+Hauser, IHI ICSI, Community and National Funding, AG Turbo Deutschland, Swiss National Science Foundation, EU Commission
PAPER AUTHORIZING	He has authored a large number of journal articles and peer-refereed paper including 40 ASME Turbo Expo and 21 Transactions of ASME publications.

### **COMMITTEE ACTIVITY**

Examiner	Served as an examiner in doctoral examination committees at Cranfield University, City University London, Cambridge University, Whittle Lab. UK, KTH Royal Institute of Technology, Stockholm, Sweden, ETH Swiss Federal Institute of Technology, Zurich, Seoul National University, Korea, University of Genova, Italy, Aristotle University.
Course Examiner	Cranfield University, MSc Course Examiner for Thermal Power and MSc Course in Design of Rotating Machinery
Evaluator	Swedish Energy Authority Research Program (2009), European Commission – FP7 Aeronautics (2009-2010), European Commission – FP7 Hydro Turbines (2012-2013), Horizon 2020 (2014-2015).