

Europass curriculum vitae

Personal information

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Education

Dates1 1998 – 2000
 Title of qualification awarded2 Postgraduate Diploma in Law
 Name of awarding institution3 College of Law, London, UK
 Key features4 This course covered the Common Professional Examination and is equivalent in standard to a Law Degree. Subjects covered in the following areas: Legal System & Method, Contract, Tort, Public Law, Property Law, Equity & Trust, EC Law, Criminal Law

Dates1 1977 – 1980
 Title of qualification awarded2 PhD in Mechanical Engineering
 Name of awarding institution3 University College Cardiff, Cardiff, UK
 Key features4 Surface Topography and Scuffing Failure of Gears

Dates1 October 1973 – June 1976
 Title of qualification awarded2 BSc (Upper Second Class Hon) in Mechanical Engineering
 Name of awarding institution3 University College Cardiff, Cardiff, UK
 Key features4 Subjects covered in the following areas: Dynamics, Thermodynamics, Heat and Mass Transfer, Mechanics of Fluids, Tribology, Metallurgy, Strength and Properties of Materials, Energy Conversion and Electronics, Electricity, Statistics and Experimentation, Elasticity, Computing,

Work experience

Dates October 2008 - Present
 Employer Name5 Frederick University
 Occupation or position(s) held6 Associate Professor, Head of Department of Mechanical Engineering
 Main activities and responsibilities7

- Coordination of the Department activities
- Coordination of the two Programmes of Study run in the Department
- Coordination for the re-evaluation of the Programmes of Study offered by the Department
- Coordination for the creation and upgrading of the Mechanical Engineering Laboratories
- Teaching: Independent teaching of a number of subjects related to Heat and Mass Transfer, Thermodynamics and Tribology. Supervision of a significant number of BSc and Diploma Projects.
- Research: Scientific advisor and researcher of a number of research projects
- Administration
- Coordinator for the Senate Rules and Regulations Committee
- Member of the Doctoral Studies Committee

	<ul style="list-style-type: none"> • Supervising the first PhD student at FU in the area of surface engineering • Member of various other Committees
Dates	February 2004 - 2007
Employer Name ⁵	Frederick Institute of Technology
Occupation or position(s) held ⁶	<ul style="list-style-type: none"> • Associate Professor, Mechanical Engineering Dept. • Deputy Head, Mechanical Engineering Dept. • Program of Study Supervisor for the Mechanical Engineering Diploma (System of Credits)
Main activities and responsibilities ⁷	<ul style="list-style-type: none"> • Course supervisor: Responsible for overseeing the Program of Study including, responsibility for program improvement, upgrade of laboratory infrastructure and student registrations. I was a member of ad-hoc committees responsible for the revision, improvement, modification and submission for accreditation of the 4-year BSc Degree and 2-year Diploma in Mechanical Engineering Course of Studies. I have also introduced and developed syllabi for a number of new subjects in the programs. • Active member of an ad-hoc committee responsible for the development of a 4-year BSc degree in Nursing • Teaching: Independent teaching of a number of subjects related to Heat and Mass Transfer, Thermodynamics and Tribology. Supervision of a significant number of BSc and Diploma Projects • Research: Scientific advisor and researcher of a number of research projects.
Dates	1990 - February 2004
Employer Name ⁵	MATRA British Aerospace Dynamics, Missile Systems Company, Stevenage, UK
Occupation or position(s) held ⁶	Team Leader for the Thermal Analysis and Tribology groups
Main activities and responsibilities ⁷	Provided specialist advice to project design teams. Undertook aimed research in the fields of Heat Transfer, new materials, surface engineering and Tribology. Maintain an awareness of new technology and relevant developments in the fields of Tribology/Thermal and identify opportunities to exploit these in the company's products. Identify areas of future work, relevant to the company's Business/Technology plan and develop proposals for these. Liaise with external customers to promote sponsored research programmes. Thermal management of missiles i.e. Kinetic Heating and thermal analysis of structures and Printed Circuit Boards.
Dates	1988 - 1990
Employer Name ⁵	Plessey Aerospace, UK
Occupation or position(s) held ⁶	Mechanical Science Engineer/Thermal Analyst, Tribologist
Main activities and responsibilities ⁷	Provide expert advice to project engineers on materials, surface engineering and Tribology. Carry out R&D in high temperature materials and coatings for hot air valve applications and on various grades of carbon bearings for use in low-pressure fuel pumps. Investigate the possible use of Glass Fibre reinforced Plastics and Carbon Fibre Reinforced Plastics for fuel pumps
Dates	1982 - 1988
Employer Name ⁵	British Aerospace (Dynamics) Ltd., UK
Occupation or position(s) held ⁶	Section Leader for a group of research engineers
Main activities and responsibilities ⁷	<p>Technical duties: Provide advice to design teams on Thermal and Tribological problems; undertake specific investigations for projects and individual research studies; monitor technical progress of work undertaken by members of the section; suggest areas for future work.</p> <p>Administrative duties: Programme budgeting; cost estimates; preparation of research proposals; specification of capital/test equipment requirements.</p>
Dates	1980 - 1982
Employer Name ⁵	British Aerospace (Dynamics) Ltd., UK
Occupation or position(s) held ⁶	Technical Engineer/Thermal Analyst/Tribologist
Main activities and responsibilities ⁷	Undertake Applied Research in the fields of Thermal design and Tribology. Develop software packages for specific projects. Collaborate with Universities in engineering projects.

Professional Organisations⁸	<p>Member – The Engineering Council, UK Member – IMechE, UK Member – Technical Chamber of Cyprus (ETEK)</p>
Awards⁹	<ul style="list-style-type: none"> • Evan Llewellyn Davies Prize in Mechanical Engineering – Awarded to the best graduate of the Department, University College Cardiff – Mechanical Engineering Department, 1976
Professional Contribution¹⁰	<ul style="list-style-type: none"> • Member of the UK BSI MCE17 (Rolling Bearings) Committee • Member of the UK MCE/7/1 (Aircraft Standards) Committee • Member of the Space transportation assets Valorisation in Europe, STAVE Advisory Board • Member of the editorial board for the International Journal of Manufacturing Science and Engineering (IJMSE)
Service to the Institute¹¹	<ul style="list-style-type: none"> • Head of the Mechanical Engineering Department • Head of the Mechanical Engineering Programme of Study Committee • Member of the Interim Doctorial Studies Committee • Head of Frederick University senate Rules and Regulations Committee • Member of the MSc in Oil and Gas Committee • Member of the MSc in Energy Systems and the Built Environment Committee
Research Projects	
<p>Duration, Funding Ag. and Funding Title Role and Contribution</p>	<p>2008 – 2010: European Community, PF7. Space transportation assets Valorisation in Europe, STAVE Member of the STAVE project Advisory Board and National Contact Point (NCP)for Cyprus</p>
<p>Duration, Funding Ag. and Funding Title Role and Contribution</p>	<p>2006 – 2008: Research Promotion Foundation. Total Funding: CYP 85,000 Improvement of the working life of aluminium extrusion dies by means of advance and innovative procedures Advisor/Researcher</p>
<p>Duration, Funding Ag. and Funding Title Role and Contribution</p>	<p>2006 – 2008: Research Promotion Foundation. Total Funding: CYP 87,000 Development of new and innovative computational and experimental methodologies for the characterization of thin hard coatings performance Advisor/Researcher</p>
<p>Duration, Funding Ag. and Funding Title Role and Contribution</p>	<p>2006-2008: EUREKA. Total Funding: CYP 60,000 Reconstruction of Archaeological Findings by Computer Tomographies and Rapid Prototyping Methods Advisor/Researcher</p>
<p>Duration, Funding Ag. and Funding Title Role and Contribution</p>	<p>2005 – 2009: Research Promotion Foundation. Total Funding: CYP 100,000 Construction of dies with enhanced surface hardness and complex geometry for the extrusion of high performance aluminium products Advisor/Researcher</p>
<p>Duration, Funding Ag. and Funding Title Role and Contribution</p>	<p>2000 – 2003: MATRA British Aerospace Dynamics, UK. Future concepts, New Materials, Technology Demonstrator Programme. Scientific Coordinator and Principal Investigator of the project, which included the investigation of new materials for missile applications. Part of the investigation was their thermal performance.</p>
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Duration, Funding Ag. and Funding	1999 – 2001: MATRA British Aerospace Dynamics, UK.
Title	Vibration loosening characteristics of the Spirallock thread form fasteners.
Role and Contribution	Scientific Coordinator and Principal Investigator of the project, which included experimental investigation of the vibration loosening performance of the new, thread form of fasteners.
Duration, Funding Ag. and Funding	1996 – 1998: MATRA British Aerospace Dynamics, UK.
Title	Metal Matrix Composites, Technology Demonstrator programme.
Role and Contribution	Scientific Coordinator and Principal Investigator of the project, which included the prediction of temperature distribution on missile fin and forebody structure due to aerodynamic heating. The effects of incorporating a thin integral thermal barrier surface (surface enhanced) layer were also investigated.
Duration, Funding Ag. and Funding	1995 – 1997: British Aerospace, UK.
Title	High Temperature bearings for thrust vector control systems.
Role and Contribution	Scientific Coordinator and Principal Investigator of the project. A high temperature bearing test rig for testing both roller element bearings and bushes was designed and constructed. Selected special bearings were investigated for thrust vector control applications.
Duration, Funding Ag. and Funding	1992 – 1994: Department of Trade and Industry, UK.
Title	Surface Engineering of High Specific Strength Alloys
Role and Contribution	Scientific Coordinator and investigator. This project was in collaboration with The National Centre of Tribology. A comprehensive range of both proprietary and innovative surface engineering processes have been tribologically evaluated under selected standard test conditions.
Duration, Funding Ag. and Funding	1989 – 1991: Department of Trade and Industry, UK.
Title	Coating and Surface treatment technology.
Role and Contribution	Scientific Coordinator and investigator. This project was in collaboration with The National Centre of Tribology. A number of surface treatments and coating processes were evaluated.
Duration, Funding Ag. and Funding	1987 – 1990: British Aerospace, UK.
Title	Solid Lubricants for missile applications.
Role and Contribution	Scientific Coordinator and Principal Investigator of the project. A bearing test rig was designed and constructed. The test rig was designed to simulate an actuator assembly mechanism. A number of solid lubricants were investigated.
Duration, Funding Ag. and Funding	1985 – 1987: European Space Agency.
Title	Slip coefficients for shear joints.
Role and Contribution	Scientific Coordinator and Principal Investigator of the project. A test rig was designed and constructed. The test rig was designed to simulate a bolted joint. Experimental investigation of different materials, surfaces and preloads were carried out.
Duration, Funding Ag. and Funding	1982 – 1986: British Aerospace, UK.
Title	Theoretical and experimental investigation of the “Double plain locknut” locking system.
Role and Contribution	Scientific Coordinator and Principal Investigator of the project. A theoretical and experimental study was carried out to predict the percentage of the preload at which the first nut and then the second nut should be tightened to induce a final preload equivalent to a mean stress of 0.75 in the fastener. The Engineering Science Data Unit, UK, used the results.
Duration, Funding Ag. and Funding	1980 – 1981: British Aerospace, UK.
Title	Behaviour of joints with fasteners tightened into yield.
Role and Contribution	Scientific Coordinator. This project was in collaboration with The University College Cardiff. An investigation into the effect of tightened fasteners into yield on the preload was carried out.

Publications

- Doctoral Thesis Surface Topography and Scuffing failure of gears , University College Cardiff, 1980
- Publications Antonis P. Papadakis, Stamatis D. Rossides and A.C. Metaxas, 'Microplasmas: A Review', The Open Applied Physics Journal, 2011, 4, 45-63
- Omirou Sotiris, Stamatis Rossides and Antonis Lontos, "A new CNC turning canned cycle for revolved parts with free-form profile", International Journal of Advanced Manufacturing Technology, 2011, pp. 1-9.
- A.Lontos, G. Demosthenous, S. Rossides, K.-D. Bouzakis, K. Efstathiou, N. Michailidis, F. Soukatzidis, "Implementation and evaluation of hard surface coatings on steel extrusion dies in order to increase its shelf life", 4o National Conference on Metallic Materials, Science Centre & Technology Museum NOESIS, Salonika, Greece, 4-5 November, pp. 467-472, 2010.
- Antonis P. Papadakis, George S. Stavrides, Stamatis D. Rossides and Charalambos P. Nicolaou, "Past, present and future prospects of the photovoltaic market-industry analysis, and comparison of the emerging disruptive technologies", DEMSEE 2008 Conference in June 2008.
- Antonis P. Papadakis, Stamatis D. Rossides, Charalambos P. Nicolaou and Venizelos Efthymiou, "Monitoring and control of the cable temperature of overhead power transmission and distribution lines in Cyprus", DEMSEE 2008 Conference in June 2008.
- Rossides, S. D., "Future concepts, New advanced materials, Technology Demonstrator Programme, Phase 1, Final", Matra BAe Dynamics, Report No. C-12011, 2003.
- Rossides, S. D., "Future concepts, New advanced materials, Technology Demonstrator Programme, Phase 1, Design", Matra BAe Dynamics, Report No. C-2406, 2003.
- Rossides, S. D., "Heating techniques for structures", Matra BAe Dynamics, AR/030/340/R, 2003.
- Rossides, S. D., "Failure analysis of folding fin mechanism", Matra BAe Dynamics, Report No. EP204, 2002.
- Rossides, S. D., "Study of thermal protection systems for missile applications", Matra BAe Dynamics, AR/065/444/R, 2002.
- Rossides, S. D., "Report of the vibration testing of the Spirallock thread form for the locking of M6 fasteners", Matra BAe Dynamics, Report No. C-01127, 2001.
- Rossides, S. D., "New body joint designs for missile applications – Concepts", Matra BAe Dynamics, Report No. NC-556., 2001.
- Rossides, S. D., "Ablation computer codes, A Review", Matra BAe Dynamics, Report No. DR16338, 1998
- Rossides, S. D., "Future concepts, Metal Matrix Composites, Technology Demonstrator Programme, Phase 2, Design Final Report", Matra BAe Dynamics, Report No. DR15858, 1998.
- Rossides, S. D., "Future concepts, Metal Matrix Composites, Technology Demonstrator Programme, Phase 2, Thermal Analysis of a forebody incorporating High Temperature Metal Matrix Composite Materials", Matra BAe Dynamics, Report No. DR15013, 1998.
- Rossides, S. D., "Durability of Solid lubricants, Matra BAe Dynamics", Report No. C/00289, 1997.
- Rossides, S. D., "Future concepts, Metal Matrix Composites, Technology Demonstrator Programme, Surface Enhanced MMCs, Thermal Analysis of the fins incorporating surface thermal barriers", Matra BAe Dynamics, Report No. DR13485, 1997.
- Rossides, S. D., "High temperature bearings for Thrust Vector Control systems, Stage 1", Matra BAe Dynamics, Report No. DR12811, 1997.
- Rossides, S. D., "Bearings for stealthy missile airframe at elevated operating temperatures, Phase I, Final report", British Aerospace Defence, Dynamics Division, Report No. ST 40436, 1996.
- Rossides, S. D., "Bearing selection", British Aerospace Defence, Dynamics Division, Report No. C00097, 1996.
- Rossides, S. D., "Bearings for stealthy missile airframe at elevated operating temperatures, Phase I, Manufacturing of a prototype", British Aerospace Defence, Dynamics Division, Report No. ST 40436, 1995.
- Rossides, S. D., "Bearings for stealthy missile airframe at elevated operating temperatures, Phase I, Design", British Aerospace Defence, Dynamics Division, Report No. ST 39987, 1995.

- Rossides, S. D., "Solid lubricants for missile applications, Phase III, Final Report", British Aerospace Defence, Dynamics Division, Report No. ST 38896, 1993.
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- Rossides, S. D., "Plain bearings for weapon systems, A Survey", British Aerospace, Bristol Division, (Dynamics Group) Report No. BT27218, 1990.
- Rossides, S. D., "Solid lubricants for missile applications, Phase 1, Experimental Testing", British Aerospace, Bristol Division, (Dynamics Group) Report No. BT27355, 1990.
- Rossides, S. D., "Solid lubricants for missile applications, Phase 1, Final Report", British Aerospace, Bristol Division, (Dynamics Group) Report No. BT27376, 1990.
- Rossides, S. D., "Wear and friction tests on MMCs containing continuous fibres of Alumina or Silicon Carbide", British Aerospace, Bristol Division, (Dynamics Group) Report No. BT24181, 1988.
- Rossides, S. D. "Design for erosion", British Aerospace, Bristol Division, (Dynamics Group) Report No. BT22665, 1987.
- Rossides, S. D., "Hard Anodised Aluminium Alloy and its durability in dry and lubricated contact", British Aerospace, Naval Weapons Division, Report No. BT18015, 1985.
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- Rossides, S. D., "Analytical solution of the phase change problem", British Aerospace, Bristol Division, (Dynamics Group) Report No. 828/PCM/3710, 1983.
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- Rossides, S. D., "Investigation into the vibration loosening characteristics of the double plain locknut locking system, Part 2, Experimental Investigation", British Aerospace, Bristol Division, (Dynamics Group) Report No. BT13594, 1982.
- Rossides, S. D., "Design studies for new folding fin mechanism, Part I - Mathematical model of mechanism", British Aerospace, Bristol Division, (Dynamics Group) Report No. 828/RES/FFM/3231, 1981.
- Rossides, S. D., "Behaviour of a simple tension joint with fasteners tightened into yield", British Aerospace, Bristol Division, (Dynamics Group) Report No. BT12065, 1981.
- Rossides, S. D. and Snidle, R. W., "In Surface roughness effects in hydrodynamic and mixed lubrication" (ed. S. M. Rodhe & H. S. Cheng), pp. 93-143. New York: American Society of Mechanical Engineers, 1980.

Books-Monographs

- Rossides, S. D., "Lock nuts and other thread locking devices", Engineering Sciences Data Unit, ESDU International, ITEM No.87023, London, 1987.
- Rossides, S. D., "Applying measuring and maintaining pretension in steel bolts", Engineering Sciences Data Unit, ESDU International, ITEM No.86014, London, 1987.

Additional information

As an active member of the Cyprus Consumer Association I am participating (since 2005) as a coordinator and principal investigator for Cyprus in a project funded by DG SANCO, The Health and Consumer Protection Directorate of the European Commission. Project entitled "Development of Online Consumer Education Tools for Adults, DOLCETA". Interactive web-based tools for consumer education to be used primarily by 'multipliers': teachers, trainers and adult educators in educational institutions, government bodies with consumer responsibilities, consumer associations etc. The web site is also available to individual adult consumers directly. On completion of the first phase of the work, the project was presented and launched by the Commissioner for Health and Consumer Protection in Brussels. In Cyprus I presented the DOLCETA web-site on a live television broadcast on CYBC, (PIK).

I am one of the organizers for the School of Consumers of the Cyprus Consumers Association. In February 2012 I was elected Vice President of the Cyprus Consumers Association.