



### Academic Personnel Short Profile / Short CV

<b>Institution:</b>	Atlantis College
<b>Surname:</b>	Alaeddine
<b>Name:</b>	Marios
<b>Rank/Position:</b>	Assistant Professor
<b>Program of Study:</b>	Hospitality & Tourism / Aviation
<b>Scientific Domain: *</b>	Engineering & Aviation

*\*Field of Specialization*

### Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title
Ph.D.	2004	Tufts University	Mechanical Engineering	Meshfree Modeling and Control in Thermal Processing of Materials
M.S.	2001	Tufts University	Mechanical Engineering	Controllability and Observability by Green-Galerkin Methods
B.S.	1999	Cleveland State University	Mechanical Engineering	Energy from Vertical Axis Wind Turbines

### Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
2004	2006	Harvard University	Boston, MA	Research Scientist
2008	2019	Intercollege Larnaca	Larnaca	Assistant Professor
2019	Present	Atlantis College	Liopetri	Adj. Assistant Professor
2020	Present	University of Nicosia	Nicosia	Adj. Assistant Professor

**Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)**

Ref. Number	Year	Title	Other authors	Journal and Publisher/ Conference	Vol.	Pages
1	2004	Distributed Parameter Thermal Controllability: a Numerical Method for Solving the Inverse Heat Conduction Problem	C.C. Doumanidis	International Journal for Numerical Methods in Engineering	59 (7)	945 – 961
2	2004	Distributed Parameter Thermal System Control and Observation by Green-Galerkin Methods	C. C. Doumanidis	International Journal for Numerical Methods in Engineering	61 (11)	1921 – 1937
3	2005	Modeling the Melting and Dissolution Stages During Thermal Processing of Intermetallic Coatings from Layered Precursors	R. Ranganathan, T. Ando, and C.C. Doumanidis	ASME Journal of Manufacturing Science and Engineering	127 (1)	148 – 156
4	2006	Modeling the Intermetallic Coating Growth During Reactive Thermal Processing of Layered Precursors	R. Ranganathan, T. Ando, and C.C. Doumanidis	Surface and Coatings Technology	200 (18 – 19)	5181 – 5192
5	2007	In-Process Modeling and Control of the Microstructure Growth in Production of Intermetallic Coatings from Layered Precursors	R. Ranganathan, T. Ando, and C.C. Doumanidis	ASME Journal of Dynamic Systems, Measurement and Control	129 (1)	56 – 65
6	2002	Distributed Parameter Thermal Controllability - the Inverse Heat Conduction Problem in Materials Processing	C. C. Doumanidis	American Automatic Control Conference (Alaska, USA)		

7	2003	Simulation of the Temperature and Extent of Nickel Dissolution During the Reactive Fabrication of Nickel Aluminide Coatings by Rapid Heating of Plated Precursors	R. Ranganathan, T. Ando, C.C. Doumanidis, P.Y. Wong, C.A. Blue	Materials Research Society Symposium	750	431 – 436
8	2004	Thermal and Mass Modeling of the Laser-Point Sealing Process in MEMS Packaging	J. Zou, R. Ranganathan, T. Ando, C.C. Doumanidis, P.Y. Wong	ASME Heat Transfer/Fluids Engineering Summer Conference (Charlotte, North Carolina, USA)		
9	2004	Phase Selection in the Reactive Fabrication of Nickel Aluminide Coatings by Rapid Heating of Plated Precursors	R. Ranganathan, T. Ando, C.C. Doumanidis, P.Y. Wong	6 <sup>th</sup> International Conference on Frontiers of Design and Manufacturing, Xi'an, China		
10	2006	The Brain's Notch Filter: A Time-Varying Dynamic Aspect of Intracranial Pressure	J. Madsen, S. Dombrowski, M. Egnor, M. Luciano, E. McCormack, M. Wagshul, R. Zou	Annual Meeting of the American Society of Pediatric Neurosurgeons, San Francisco, U.S.A		

**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1	2005	Mesh-Free Modeling and Control of Thermal/Diffusion Fields Created by Nano-Sources	BEST PAPER AWARD: 3 <sup>rd</sup> International Symposium on Nanomanufacturing, Limassol, Cyprus
2	2002	Distributed Parameter Thermal Controllability Through the Green-Galerkin Method: a One-Dimensional Optimization Case Study	INVITED PAPER: IEEE 10 <sup>th</sup> Mediterranean Conference on Control and Automation, Lisbon, Portugal
3	2003	Numerical Stability of the Green-Galerkin Thermal Control Method in Infinite-Dimensional Dynamic Systems	INVITED PAPER: IEEE 11 <sup>th</sup> Mediterranean Conference on Control and Automation, Rhodes, Greece
4	2005	Infinite-Dimensional Thermal Observability in Materials Processing	INVITED PAPER: International Symposium on Intelligent Control and 13 <sup>th</sup> IEEE Mediterranean Conference on Control and Automation, Limassol, Cyprus



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ΦΟΡΕΑΣ ΔΙΑΣΦΑΛΙΣΗΣ ΚΑΙ ΠΙΣΤΟΠΟΙΗΣΗΣ ΤΗΣ ΠΟΙΟΤΗΤΑΣ ΤΗΣ ΑΝΩΤΕΡΗΣ ΕΚΠΑΙΔΕΥΣΗΣ  
CYPRUS AGENCY OF QUALITY ASSURANCE AND ACCREDITATION IN HIGHER EDUCATION

