

**PERSONAL INFORMATION**

## Alexander Evangelou



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Sex Male | Date of birth 06 / 01 / 1991 | Nationality Greek

**EDUCATION AND TRAINING**

1996–2008 **Basic studies**  
 Primary and Secondary School in Ioannina (Greece)

2008–2013 **Diploma in Materials Science and Engineering**  
 University of Ioannina, Ioannina (Greece)  
 Diploma awarded in 2013  
Diploma Thesis : “Production of Al-matrix composites reinforced with TiC ceramic nanoparticles and study of their potentiodynamic polarization and sliding wear properties”, Laboratory of Physical Metallurgy, Department of Materials Science and Engineering, University of Ioannina, Greece, 2013 (supervisors Associate Professor Dr. Eng. Angeliki Lekatou and Assistant Professor Dr. Eng. Alexander Karantzalis).  
 Diploma score 7.26 – Very Good  
*Info: Curriculum lasts 10 semesters (5 years); it includes (mandatorily) a Diploma Thesis in the last semester and an internship at the end of the 4<sup>th</sup> year; it gathers 300 ECTS (according to Bologna treaty).*

2013–Present **Post graduate student**  
 Master in Chemistry and Technology of Materials.  
 University of Ioannina, Ioannina (Greece)

**PERSONAL SKILLS**

Mother tongue(s) **Greek**

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

London Examinations, London Tests of English, Edexcel International, B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user

Common European Framework of Reference for Languages

- Job-related skills** Good knowledge of all experimental techniques in Materials Science and mainly those related to
- Physical Metallurgy
  - Powder Metallurgy
  - Welding Technology
  - Aluminium Technology, and
  - Destructive/Non-destructive analysis
- Namely, metallographic preparation, optical and electronic microscopy (SEM/EDS), mechanical properties and hardness, sliding wear, corrosion, erosion, X-ray analysis.
- Computer skills** Good knowledge of
- Microsoft Office: Microsoft Word, Microsoft Excel, Microsoft Powerpoint
  - Architectural and structural software (Tekton - 2D and 3D drawing software)

## ADDITIONAL INFORMATION

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- Internship**
- Prefecture of Epirus (Ioannina), Greece, Quality Control in Concrete (July-August 2012, 2 months).
- Publications**
- Lekatou, A.E. Karantzalis, **A. Evangelou**, V. Gousia, G. Kaptay, Z. Gácsi, P. Baumli, A. Simon, “*Aluminium reinforced by WC and TiC nanoparticles (ex-situ) and aluminide particles (in-situ): Microstructure, wear and corrosion behaviour*”, Materials & Design, 2014, Article in Press, DOI:10.1016 /j.matdes.2014.08.040
- Presentations**
- A.E. Karantzalis, A. Lekatou, V. Gousia, **A. Evangelou**, Z.Gacsi, P.Baumli, G.Kaptay, A.Simon, “*Flux assisted casting preparation and surface property evaluation of Al matrix composites reinforced with carbide nanoparticles*”, Poster in the ICCST/ 9, 9<sup>th</sup> International Conference on Composite Science Technology, Sorrento, Naples, Italy, 24-26 / 04 / 2013.
  - A.E. Karantzalis, A. Lekatou, **A. Evangelou**, V. Gousia, C.Miskaki, A. Sfikas, Z. Gacsi, P. Baumli, G. Kaptay, A.Simon, “*Microstructure, Corrosion and Wear Resistance Evaluation of Aluminium Matrix Composites Reinforced by TiC and WC nanoparticles*”, 3<sup>rd</sup> ICEAF, International Conference of Engineering Against Failure, Kos, Greece, 26-28 / 06 / 2013
  - A.E. Karantzalis, A. Lekatou, **A. Evangelou**, V. Gousia, Z. Gacsi, P. Baumli, G. Kaptay, A. Simon “*Microstructure of Aluminium Matrix Composites Reinforced by TiC and WC nanoparticles and evaluation of their Corrosion and Wear Resistance*”, Poster in the 5<sup>th</sup> National Conference of Metallic Materials, Volos, Greece, 20-22 / 11 / 2013.

## References

- Assistant Professor Dr. Eng. Alexander Karantzalis, Laboratory of Physical Metallurgy, Department of Materials Science and Engineering, University of Ioannina, Greece, +30-2651009026, akarantz@cc.uoi.gr , alexkarantzalis@gmail.com
- Associate Professor Dr. Eng. Angeliki Lekatou, Laboratory of Physical Metallurgy, Department of Materials Science and Engineering, University of Ioannina, Greece, +30-2651007309, alekatou@cc.uoi.gr
- Associate Professor Dr. Simeon Agathopoulos ,Laboratory of Ceramics and Composite Materials, Department of Materials Science and Engineering, University of Ioannina, Greece, +30 -2651009007, sagat@cc.uoi.gr