

Ali Gökhan Demir

Work experience

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| 10/2021 - Ongoing | Associate Professor Politecnico di Milano, Department of Mechanical Engineering, Milan, Italy |
| 10/2018 – 9/2021 | Assistant Professor – Senior (RTDb) Politecnico di Milano, Department of Mechanical Engineering, Milan, Italy |
| 3/2015 – 10/2018 | Assistant Professor – Junior (RTDa) Politecnico di Milano, Department of Mechanical Engineering, Milan, Italy |
| 3/2014 – 3/2015 | Post-Doctoral Researcher Politecnico di Milano, SITEC – Laboratory for Laser Applications, Department of Mechanical Engineering, Milan, Italy |
| 1/2013 – 3/2014 | Research Assistant Politecnico di Milano, Department of Mechanical Engineering, Milan, Italy |

Education

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| 1/2010 – 3/2014 | Politecnico di Milano PhD in Mechanical Engineering Manufacturing and Production Systems Division Milan, Italy Graduation grade: European PhD title with Merit Final thesis: “Development of Processing and Monitoring Strategies for Laser Surface Texturing of TiN coatings” |
| 10/2007 – 10/2009 | Politecnico di Milano MSc in Mechanical Engineering Lecco, Italy Graduation grade: 110/110 Final thesis: “Laser microdrilling and anodic oxidation of titanium for the manufacturing of wettability controlled microvalve” |
| 9/2003 - 7/2007 | Yildiz Technical University BSc in Mechanical Engineering Istanbul, Turkey GPA: 3.18/4.00 Final thesis: “Nanotubes and their applications” (in Turkish) |

Abroad training

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| 5/2012 – 10/2012 | Visiting researcher – Centre for Industrial Photonics, Institute for Manufacturing, University of Cambridge, UK |
| 6/2011 | DTU Summer School on Microsystems Manufacture and Design 2011 – Department of Mechanical Engineering, Denmark’s Technical University, Lyngby, Denmark |
| 3/2009 | ATHENS course “Elab Remotely Controlled Physics Laboratories” - Instituto Superior Tecnico, Lisbon, Portugal |
| 3/2008 | ATHENS course “Polymers and Composites” - Ecole Nationale Supérieure d’Arts et Métiers, Paris, France |

Teaching

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| Since A.Y. 2020/21 | Lecturer – Advanced Manufacturing Technologies MSc in Mechanical Engineering, Milan |
| Since A.Y. 2019/20 | External Lecturer – Additive Manufacturing MATE7015 Coordinator Prof. M. Dargusch MSc in Mechanical & Mining Engineering, University of Queensland |
| A.Y. 2019/20 | Lecturer – Tecnologia Meccanica 1 BSc in Mechanical Engineering, Milan |
| A.Y. 2013/14-2019/20 | Co-lecturer – Advanced Manufacturing Technologies Lab. MSc in Mechanical Engineering, Milan |
| 2013/14 – 2018/19 | Teaching assistant – Tecnologia Meccanica 1 BSc in Mechanical Engineering, Milan |
| A.Y. 2011/12-2013/14 | Lab. assistant – Miglioramento Continuo delle Tecnologie MSc in Mechanical Engineering, Milan |
| A.Y. 2011/12-2013/14 | Lab. assistant – Laboratorio delle Tecnologie Speciali MSc in Mechanical Engineering, Milan |

A.Y. 2012/2013 Teaching assistant - Materiali e Tecnologie per l'Innovazione del Prodotto Industriale
MSc in Industrial Product Design, Milan

A.Y. 2011/2012 Teaching assistant - Unconventional Machining
MSc in Mechanical Engineering, Lecco

Thesis supervision by November 2021

Supervision of 1 PhD candidate in Mechanical Engineering
Co-supervision of 4 PhD candidate in Mechanical Engineering
Supervision of 13 MSc thesis students in Mechanical Engineering
Co-supervision of 38 MSc thesis students in Mechanical Engineering, Materials Engineering and Nanotechnology, Design Engineering, and Automation Engineering

Bibliometric indicators based on SCOPUS by November 2021

Number of documents: 117
Number of citations: 1961
H-index: 25

Awards

- Award for high scientific productivity at the Department of Mechanical Engineering of Politecnico di Milano, 2020
- Best paper award at 39th International MATADOR Conference on Advanced Manufacturing, 2017
- Award for high scientific productivity at the Department of Mechanical Engineering of Politecnico di Milano, 2016
- Premio Giovane Ricercatore AITeM "E. Capello" 2015- Young researcher award
- Heidenhein Scholarship, 2013 – Awarded at the 13th euspen International Conference in Berlin, Germany
- DTU Summer School on Microsystems Manufacture and Design, Lyngby, Denmark, 2011 – Scholarship for attendance
- euspen Student Challenge 2011 – Italy national heat winner
- Premio UCIMU 2010 - M.Sc. thesis prize in the category of "machine tools and manufacturing systems: design, engineering, integration, and technology applications in industrial production"
- Premio AITeM 2009 "F. Soavi" - M.Sc. thesis prize
- Ph.D. scholarship provided by Italian state and Department of Mechanical Engineering of Politecnico di Milano, 2010 - 2013
- M.Sc. scholarship provided by UniverLecco, 2007 – 2009

Language Skills

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| Turkish | Mother tongue |
| English | Advanced |
| Italian | Advanced |
| German | Pre-Intermediate |

Membership to associations

- AITeM – Italian Association of Manufacturing Technologies
- Photonics21 – European Technology Platform
- MESAM - Musical work owners' society of Turkey

Interests

Music, musical instruments and music technologies, traveling, foreign languages.