

PERSONAL INFORMATION	
SURNAME:	FASNAKIS
NAME:	DIMITRIOS
DATE OF BIRTH:	29/07/1986
PLACE OF RESIDENCE:	KOZANI
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CURRENT POSITION

- 10.2019 - today** **Academic Fellow**
 Department of Mechanical Engineering, University of Western Macedonia, Kila, Kozani, 50 100, Greece, w. <https://bmc.uowm.gr/>, e. jimfas@hotmail.com , t. +30 2461 0 38675, f. +30 2461 0 38675
- 05.2019 - today** **PhD Candidate**
 Department of Mechanical Engineering, University of Western Macedonia, Kila, Kozani, 50 100, Greece, w. <https://bmc.uowm.gr/>, e. jimfas@hotmail.com , t. +30 2461 0 38675, f. +30 2461 0 38675

PREVIOUS POSITION

- 10.2014 - 06.2019** **Laboratory Associate**
 Department of Mechanical Engineering and Industrial Design, Technical Educational Institute of Western Macedonia, Koila, Kozani, 50 100, Greece, w. <https://me-id.teiwm.gr/>, e. jimfas@hotmail.com, t. +30 2461 068 286

EDUCATION

- 02.2005 - 05.2014** Department of Mechanical Engineering and Industrial Design, Technical Educational Institute of Western Macedonia, Kila, Kozani, 50 100, Greece
 Thesis title: Determination of the biomechanical behavior of the hypochondriac bone in the femoral head area with the help of the finite element method and its association with osteoporosis.
- 10.2015 – 31.03.2017** M.Sc. in “Welding Engineering and Non-Destructive Inspection”, Department of Mechanical Engineering and Industrial Design, Technical Educational Institute of Western Macedonia, Kila, Kozani, 50 100, Greece
 Thesis title: Effect of matrix material and reinforcing phases, Rapid Prototyping composite polymers, on their mechanical behavior.

PUBLICATIONS

Indicative recent publications

- Impact absorption capacity of 3D-printed components fabricated by fused deposition modelling. Tsouknidas A., Pantazopoulos M., Katsoulis I., Fasnakis D., Maropoulos S., Michailidis N., *Materials and Design*, 102, 41-44, 2016, <https://doi.org/10.1016/j.matdes.2016.03.154>
- Premature Fracture during Fatigue testing of reinforced-concrete steel bars. D. Fasnakis, S. Papanikolaou, A. Tsouknidas, S. Maropoulos, *Academic Journal of Manufacturing Engineering*, Volume 14 / 2016 Issue 4, pp. 12-17 <https://doi.org/10.1088/1757-899X/161/1/012067>
- The effect of body mass on the shoe-athlete interaction Alexander. Tsouknidas, Marios Pantazopoulos, Dimitrios Sagris, Dimitrios Fasnakis, Stergios Maropoulos, Fotini Arabatzi, and Nikolaos Michailidis, *Applied Bionics and Biomechanics*, Volume 2017, 9p., 2017 <https://doi.org/10.1155/2017/7136238>
- A test method for the determination of the peel resistance of the bonded rubber lining of conveyor belt metal drums. Sofia Papanikolaou, Nikolaos Maropoulos, Dimitrios Fasnakis, Stergios Maropoulos, *Journal of Materials Engineering and Performance*, Volume 188, 8p., 2018 <https://doi.org/10.1051/mateconf/201818804013>

CONFERENCES/WORKSHOPS

- Directional variation in the biomechanical response of subchondral bone in the femoral head. European Society of Biomechanics, 25-28 August 2013, Patras, Greece.
- Fatigue testing of reinforced-concrete steel bars. IMANEE, 23-25 Sept. 2016, Chalkidiki, Greece.
- Specimen Preparation for Fatigue testing of reinforced-concrete steel bars. Hellenic Metallurgical Society, 7-9 Dec. 2016, Ioannina, Greece.
- A failure analysis investigation of a transmission precision roller chain. Euromat, 11-22 Sept. 2017, Thessalonikh, Greece.
- The effect of cushioning system on impact attenuation of athletic footwear. IMANEE, 25-26 May 2017, Iasi, Romania

TEACHING ACTIVITIES

- 10.2019 - today** **Academic Fellow**
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- 10.2014 - 06.2019** **Laboratory Associate**
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FELLOWSHIPS and AWARDS

- 2017** ***M.Sc. Scholarships of excellence***, Department of Mechanical Engineering and Industrial Design, Technical Educational Institute of Western Macedonia , Greece (honorable mention and financial support received). Title: Welding Engineering and Non-Destructive Inspection
- 2013** ***Young Researcher Award 2013***, at the 19th Congress of the European Society of Biomechanics. Paper title: "Directional variation in the biomechanical response of subchondral bone in the femoral head".