

LISTĂ DE LUCRĂRI

Conf. Dr. Ing. Ec. ULMEANU MIHAELA – ELENA

I. TEZA POSTDOCTORAT

[1]. „Cercetari privind aplicarea tehnologiilor aditive la dezvoltarea produselor medicale particularizate”, Autor Ulmeanu Mihaela-Elena, Coordonator Prof.Em. Neagu Corneliu, Universitatea POLITEHNICA București, Facultatea Ingineria și Managementul Sistemelor Tehnologice, Catedra Tehnologia Construcțiilor de Mașini, București, Mai 2014 – Decembrie 2015.

II. TEZA DE DOCTORAT

[1]. „Cercetări privind aplicarea analizei funcționale tehnice la dezvoltarea de noi produse realizate prin tehnologii neconvenționale de fabricare aditivă”, Autor Lupeanu (Ulmeanu) Mihaela-Elena, Coordonator Prof.Em. Neagu Corneliu, Universitatea POLITEHNICA București, Facultatea Ingineria și Managementul Sistemelor Tehnologice, Catedra Tehnologia Construcțiilor de Mașini, București, Octombrie 2009 – Octombrie 2012.

III. CĂRȚI ȘI CAPITOLE DE CĂRȚI PUBLICATE

- [1]. **ULMEANU M.**, DOICIN C., Dezvoltarea Produselor Fabricate Aditiv - Aplicații ale Analizei Funcționale Tehnice, Editura BREN, ISBN 978-606-610-219-3, 427 pagini, 2018.
- [2]. **ULMEANU M.**, SPÂNU P., *Capitol de carte*: Gamification in Higher Education Technical Disciplines, in Gaming in action, Editors: Lencastre JA, SPÂNU P, Ilin G, Milios P, Bento M, Published by Mesleki Girişimciler ve Toplum Gönüllüleri Derneği (Tarsus / Mersin, Turkey), pp. 111 - 127, ISBN: 978-605-70651-0-0, 2021.
- [3]. DOICIN C., **ULMEANU M.**, *Capitol de carte*: Gamification for High School Level Intensive Summer School Programs in Technical Sciences, in Gaming in action, Editori: Lencastre JA, SPÂNU P, Ilin G, Milios P, Bento M, Published by Mesleki Girişimciler ve Toplum Gönüllüleri Derneği (Tarsus / Mersin, Turkey), pp. 91 - 110, ISBN: 978-605-70651-0-0, 2021.
- [4]. **ULMEANU M.**, SPÂNU P., DOICIN C., *Capitol de carte*: Teaching robotics for hybrid education: current and future landscape, in Mobile Robotics, Editors: Lencastre, José Alberto; Spânu, Paulina; Ilin, Güliden; Milios, Panos; Bento, Marco; Published by ÖzKaracan (Istanbul, Turkey), pp. 119-142, ISBN 978-605-70651-1-7, 2022, url: http://www.e-roboticsproject.com/images/docs/IO5_Book.pdf
- [5]. **ULMEANU M.**, DOICIN C., SPÂNU P., *Capitol de carte*: Robotics in STEM education, in Robots in Action, Editors: Barradas, R., Lencastre, J. A., Bento, M., Soares, S., & Valente, A., CIEd/IE/UMinho, pp.9-33, Paper Print – 978-989-8525-78-9, E-book – 978-989-8525-81-9, 2023, url: <https://robotsforstem.eu/io6/>
- [6]. IONESCU N., **ULMEANU M.**, JUGRAVU B., ENACHE V., *Capitol de carte*: Some Aspects Regarding the Prescribed Precision and Manufacturing Precision of Implants, Prostheses and Orthoses, in EMERALD e-book for developing of biomimetic mechatronic systems, Editura RISO Print, ISBN 978-973-53-3157-3, pp. 364 – 386, 2023.

IV. ALTE MATERIALE PUBLICATE

- [1]. **ULMEANU M.**, DOICIN C., Computer Aided Design - Project Guide and Applications, Publisher BREN, ISBN 978-606-610-218-6, 298 pages, 2018.
- [2]. DOICIN C., **ULMEANU M.**, Product design and development: project guide and applications, Publisher BREN, ISBN 978-606-610-220-9, 231 pag., 2018.
- [3]. **ULMEANU M.E.**, DOICIN C.V, DUGĂEȘESCU I., ZAHARIA C., ENACHE V., NEACȘU-PAVEL A., Fabricație Aditivă și Modelare 3D, Îndrumar de Laborator, Pareta I – Principii și aplicații practice, Editura BREN, Cod CNCIS 96, ISBN general 978-606-610-327-5, ISBN partea 1 978-606-610-328-2, 318 pag, 2024.

[4]. DUGĂEȘESCU I., **ULMEANU M.E.**, DOICIN C.V., Bazele mecatronicii, Îndrumar de Laborator Partea I, Editura Bren, ISBN, Vol. 1 978-606-610-308-4, 137 pag., 2023.

V. ARTICOLE / STUDII IN EXTENSO PUBLICATE

A. Articole indexate în reviste WoS / ISI Thomson Reuters și în volumele unor manifestări științifice indexate ISI Thomson Reuters, vizibile în baza de date

[1]. **ULMEANU M.E.**, MATEȘ I.M., DOICIN C.V., MITRICĂ M., CHIRTEȘ V.A., CIOBOTARU G., SEMENESCU A., Bespoke Implants for Cranial Reconstructions: Preoperative to Postoperative Surgery Management System. Bioengineering 2023, 10, 544. <https://doi.org/10.3390/bioengineering10050544>, WOS:000995566000001, Impact Factor = 3,8 (**Q2**)

[2]. AYKANAT F., KOSE O., GUNERI B., CELIK H.K., CAKAR A., TASTAN E., **ULMEANU M.E.**, Comparison of four different screw configurations for the fixation of Fulkerson osteotomy: a finite element analysis, Journal of Orthopaedics and Traumatology, Vol. 24, Iss. 30, 2023, <https://doi.org/10.1186/s10195-023-00714-6>, WOS:001013751600001, Impact Factor = 3,00 (**Q1**)

[3]. SPÂNU P., **ULMEANU M.E.** (autor corespondent), DOICIN C.V., Academic Third Mission through Community Engagement: An Empirical Study in European Universities, EDUCATION SCIENCES 2024, Vol. 14, Iss. 141. <https://doi.org/10.3390/educsci14020141>, WOS:001170336300001, Impact Factor = 2,5 (**Q1**)

[4]. SPANU P., DOICIN C., **ULMEANU, M.**, BACIU F., Analyzing the Tensile Strength of Carbon Fiber-Reinforced Epoxy Composites Using LabVIEW Virtual Instrument, Mater. Plast., 61(1), 2024, 1-12. <https://doi.org/10.37358/MP.24.1.5698>, WOS:001198444200005, Impact Factor = 0,6

[5]. **ULMEANU M.E.**, DOICIN C.V., SPÂNU P., Comparative Evaluation of Sustainable Framework in STEM Intensive Programs for Secondary and Tertiary Education, SUSTAINABILITY, Volume13, Issue2, Article Number978, DOI10.3390/su13020978, WOS:000611743500001, PublishedJAN 2021, Impact Factor = 3.251 (**Q2**)

[6]. CELIK, HK; KOSE, O; **ULMEANU, ME**; RENNIE, AEW; ABRAM, TN; AKINCI, I; Design and Additive Manufacturing of Medical Face Shield for Healthcare Workers Battling Coronavirus (COVID-19), INTERNATIONAL JOURNAL OF BIOPRINTING, Volume6, Issue4, Page30-50, DOI10.18063/ijb.v6i4.286, WOS:000571775500003, Published 2020, Impact Factor = 6.638 (**Q1**)

[7]. CAVALU, S; ANTONIAC, IV; MOHAN, A; BODOG, F; DOICIN, C; MATES, I; **ULMEANU, M**; MURZAC, R; SEMENESCU, A; Nanoparticles and Nanostructured Surface Fabrication for Innovative Cranial and Maxillofacial Surgery, MATERIALS, Volume13, Issue23, Article Number 5391, DOI10.3390/ma13235391, WOS:000597525200001, 2020, Impact Factor = 3.623 (**Q2**)

[8]. ENACHE V.C., DOICIN C.V., **ULMEANU M.E.**, CAD Optimization of an Ankle Foot Orthosis Using Lattice Structures, Macromolecular Symposia, Vol. 404, Iss. 1, WOS:000842344000031, 2022.

[9]. TUNSOIU N., DOICIN C.V., MURZAC I, ONCESCU T.A., TUNSOIU D, MURZAC R, **ULMEANU M.E.**, Additive Manufacturing of Components for a Ball Machine Prototype, Macromolecular Symposia, Vol. 404, Iss. 1, WOS:000842344000072, 2022.

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- [11]. NUTA A.B., **ULMEANU M.E.**, DOICIN C.V., ENACHE A.G., TUNSOIU N., Experimental Stand Design for an Automatic Wiping Board Concept, *MACROMOLECULAR SYMPOSIA*, Volume 396, Issue 1, Special Issue SI, Article Number 2000298, DOI10.1002/masy.202000298, Published APR 2021, WOS:000641766900030.
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- [16]. **ULMEANU M.E.**, DOICIN C.V., ROȘCA L., Curriculum Development for an Intensive Summer School Programme in Smart Product Development, *Proceedings of the 34th International Business Information Management Association Conference (IBIMA)*, 13-14 November 2019, Madrid, Spain, ISBN: 978-0-9998551-3-3, pp. 5222 -5230, WOS:000556337406092, 2019.
- [17]. **ULMEANU M.E.**, DOICIN C.V., MURZAC R., ZAHARIA C., ENE G., CELIK H.K., Teaching Material Design and Development For 3D Printing Applications, *Proceedings of the 34th International Business Information Management Association Conference (IBIMA)*, 13-14 November 2019, Madrid, Spain, ISBN: 978-0-9998551-3-3, pp. 5231 - 5242, WOS:000556337406093, 2019.
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B. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale

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