

LISTA LUCRĂRI

dr. ing. RĂDUICĂ M. FLORIN – FELIX

I. TEZA (E) DE DOCTORAT (T)

Cu titlul: *Contribuții la proiectarea și optimizarea structurală a unui braț bionic realizat prin tehnologii de fabricație prin aditive. / Contributions to the design and structural optimization of a bionic limb made with additive manufacturing technology.*

Coordonator Prof. Univ. dr. ing. Ionel SIMION

Data susținerii: 14.11.2024

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II. CĂRȚI PUBLICATE (C)

III. ALTE MATERIALE PUBLICATE (I,D)

IV. ARTICOLE / STUDII IN EXTENSO PUBLICATE (R,V)

- Ris. 1 **F.-F. Răduică**, I. Simion, I.-C. Enache, E. N. Valter, and A. Naddeo, "A Perspective on Rehabilitation Through Open-Source Low-Cost 3D-Printed Distal to the Wrist Joint Transitional Prosthetics: Towards Autonomous Hybrid Devices," *Machines*, vol. 12, no. 12, Art. no. 12, Dec. 2024, doi: 10.3390/machines12120889. WOS:001385670200001 Q2 IF=2,1
- Ris. 2 **F.-F. RĂDUICĂ**, I. SIMION, I.-C. ENACHE, and O. R. CHIVU, "DESIGN OF VIRTUAL HAND TO IMPROVE PROPRIOCEPTIVE FEEDBACK FOR UPPER-LIMB PROSTHETICS APPLICATIONS," *ACTA Tech. Napoc. - Ser. Appl. Math. Mech. Eng.*, vol. 67, no. 2S, Oct. 2024, [Online]. Available: <https://atna-mam.utcluj.ro/index.php/Acta/article/view/2443>
- Ris. 3 **F.-F. Răduică** and I. Simion, "Development of a Low-Cost 3D-Printed Upper Limb Prosthetic Device with Hybrid Actuation for Partial Hand Amputees," *Appl. Sci.*, vol. 14, no. 19, p. 8929, Oct. 2024, doi: 10.3390/app14198929.

- Ris. 4 I.-C. Enache, O. R. Chivu, and **F.-F. Răduică**, “Eliminating Scraps in Refrigerator Door Sealing—A Six Sigma Case Study,” *Processes*, vol. 12, no. 11, Art. no. 11, Nov. 2024, doi: 10.3390/pr12112460.
- Ris. 5 A. Androniceanu, I.-C. Enache, E.-N. Valter, and **F.-F. Răduică**, “Increasing Energy Efficiency Based on the Kaizen Approach,” *Energies*, vol. 16, no. 4, Art. no. 4, Jan. 2023, doi: 10.3390/en16041930.
- Vis. 1 G. Haraga, **F.-F. Răduică**, and I. Simion, “B-LEARNING, THE BEST WAY TO TEACH ECODESIGN,” presented at the eLSE 2019, Bucharest, RO, Apr. 2019, pp. 237–244. doi: 10.12753/2066-026X-19-103.
- Rio. 1 **F.-F. Răduică** and I. Simion, “DESIGN FOR MANUFACTURING AND ASSEMBLY OF A FINGER SUBASSEMBLY FOR A PROSTHETIC DEVICE,” *UPB Sci. Bull.*, vol. 85, no. 3, pp. 205–218, 2023.
- Rio. 2 **F.-F. Răduică** and I. Simion, “THE DESIGN OF AN UPPER-LIMB PROSTHETIC FINGER USING ALGORITHMS FOR FULL CUSTOMIZATION,” *Int. J. Mod. Manuf. Technol.*, vol. 15, no. 3, pp. 147–154, Dec. 2023, doi: 10.54684/ijmmt.2023.15.3.147.
- Rio. 3 **F.-F. Răduică**, I. Simion, and E. Ionita, “A STUDY ON PARAMETRIC DESIGN OF LINE TENDON BASED PROSTHETIC FINGER USING PROGRAMMING TECHNIQUES,” *J. Ind. Des. Eng. Graph.*, vol. 16, no. 2, Art. no. 2, Dec. 2021.
- Rio. 4 **F.-F. Răduică**, I. Simion, C. Enache, A. Rugescu, and M. Răduică, “Research On Improving Energy Efficiency Through Small-Scale Wind Turbine Integrated Structures”.
- Rio. 5 **F.-F. Răduică**, I. Simion, A. M. M. Rugescu, I.-C. Enache, and E. Ionita, “AESTHETIC APPEAL OF ROBOTIC LIMB INTERACTIONS AND EFFECTS ON DESIGN AND FUNCTION,” *J. Ind. Des. Eng. Graph.*, vol. 19, no. 1, Art. no. 1, Jun. 2024.
- Rio. 6 I. C. Enache, N. Valter, **F.-F. Răduică**, and O. Chivu, “INTEGRATING ARTIFICIAL INTELLIGENCE INTO THE PHOTOGRAPHIC DESIGN PROCESS,” *J. Ind. Des. Eng. Graph.*, vol. 19, no. 1, Art. no. 1, Jun. 2024.
- Rio. 7 **F.-F. Răduică**, C. Enache, and I. Simion, “EFFECTIVE WAYS OF MANAGING WEBSITES FOR ACADEMIC INSTITUTIONS,” *PEOPLE Int. J. Soc. Sci.*, vol. 5, no. 3, Art. no. 3, Dec. 2019, doi: 10.20319/pijss.2019.53.206214.
- Rio. 8 **F.-F. Răduică** and A. Rugescu, “DEVELOPING 3D AWARENESS WHEN TEACHING TECHNICAL DRAFTING,” *J. Ind. Des. Eng. Graph.*, vol. 12, no. 1, Art. no. 1, May 2017.
- Rio. 9 A. M. M. Rugescu, I. Simion, **F.-F. Răduică**, and I. C. Enache, “HOW TO ACCESS AESTHETICS FOR AN EDUCATIONAL PROJECT IN AEROSPACE ENGINEERING,” *EDULEARN21 Proc.*, pp. 8188–8194, 2021, doi: 10.21125/edulearn.2021.1655.
- Rio.10 A. M. M. Rugescu, **F.-F. Răduică**, and I. Simion, “WHEN AESTHETICS MEETS INDUSTRIAL DESIGN (I), EMBRACING CULTURAL APPROACH AND APPRECIATION ATTRIBUTES TO INDUSTRIAL DESIGN,” *ICERI2020 Proc.*, pp. 520–525, 2020, doi: 10.21125/iceri.2020.0157.
- Rio.11 **F.-F. Răduică**, I.-C. Enache, Ionel Simion, AM Nicolau “ENHANCING EDUCATIONAL EFFORTS BY IMPLEMENTING A STUDENTCENTERED WEBSITE FOR AN ENGINEERING DEPARTMENT - ProQuest,” Accessed: Jul. 01, 2024. [Online]. Available: <https://www.proquest.com/openview/e36a7390b01264291b650a8a01c0819a/1?pq-origsite=gscholar&cbl=1876338>

- Rio.12 **F-F. Răduică** and I. Simion, "DESIGN MODELLING AND ANALYSIS OF A WIND TURBINE BLADE SUPPORT SYSTEM," *J. Ind. Des. Eng. Graph.*, vol. 12, no. 1, Art. no. 1, May 2017.
- Rio.13 **F-F. Răduică**, "THE DESIGN OF A MODULAR WIND TURBINE MEANT FOR HOUSES AND OFFICE BUILDINGS," *J. Ind. Des. Eng. Graph.*, vol. 11, no. 2, Art. no. 2, Nov. 2016.
- Rio.14 I. C. Enache, O. R. Chivu, P. Georgiana, and **F-F. Răduică**, "STUDY ON THE ECOLOGICAL SOLUTIONS FOR SUSTAINABLE AVIATION," no. 3.
- Rio.15 I. C. Enache, O. R. Chivu, R.-T. Catana, and **F-F. Răduică**, "An analysis of the environmentally friendly furniture used in airports," *J. Res. Innov. Sustain. Soc.*, vol. 5, no. 2, pp. 35–44, Nov. 2023, doi: 10.33727/JRISS.2023.2.5:35-44.
- Rio.16 I. C. Enache, A. Barosan, and **F-F. Răduică**, "THE ROLE OF ANIMATIONS IN THE TEACHING-LEARNING PROCESS," *EDULEARN21 Proc.*, pp. 1944–1949, 2021, doi: 10.21125/edulearn.2021.0446.
- Rio.17 I. Enache, A. Barosan, **F-F. Răduică**, and V. R. Dinca, "ANIMATION USED AS DIDACTIC METHOD OF TEACHING-LEARNING," presented at the eLSE 2021, Bucharest, RO, Apr. 2021, pp. 139–146. doi: 10.12753/2066-026X-21-018.
- Rio.18 **F.-F. Răduică** and I. Simion, "IMPROVING STRUCTURAL INTEGRITY OF WIND TURBINE IN EXTREME CONDITIONS WITH THE HELP OF TELECOM NETWORKS," *J. Ind. Des. Eng. Graph.*, vol. 12, no. 2, Art. no. 2, Nov. 2017.

- V. BREVETE DE INVENȚIE / INOVAȚII SAU CREAȚII ARTISTICE (B,A)
- VI. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE (P,F)
- VII. COMUNICĂRI ȘTIINȚIFICE NEPUBLICATE (E)