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LISTA DE LUCRĂRI

A. Teza de doctorat

Contribuții privind etanșările frontale cu impulsuri, Universitatea Tehnică din Cluj-Napoca, 2006, Conducător științific Prof. dr. ing. Dumitru POP.

B. Cărți publicate

1. Belcin O., Birleanu C., **Pustan M** (2015) ORGANE DE MASINI. ELEMENTE DE PROIECTARE, Risoprint, Romania, Cluj-Napoca, ISBN 978-973-53-1487-3, 585 pagini.
2. **Pustan, M.**, Birleanu, C., Dudescu, C., Golinval J.-C. (2014) DYNAMICAL BEHAVIOR OF SMART MEMS IN INDUSTRIAL APPLICATIONS, in book Smart sensors and MEMS: Intelligent devices and microsystems for industrial applications, Edited by S Nihtianov and A L Estepa, Woodhead Publishing Series in Electronic and Optical Materials No. 51, ISBN 0 85709 502 1, ISBN-13: 978 0 85709 502 2, 510 pages (book chapter – 25 pagini).
3. **Pustan, M.**, Belcin, O., Birleanu, C. (2013) – ORGANE DE MAȘINI - Asamblari demontabile, Osii si arbori drepti, Arcuri metalice, Ed. UTPRESS, Cluj-Napoca, ISBN 978-973-662-821-4, 470 pagini.
4. Belcin O., Birleanu C., **Pustan M** (2011) ELEMENTE CONSTRUCTIVE ÎN CONSTRUCȚIA DE MAȘINI, Ed. Risoprint, Cluj-Napoca, ISBN 978-973-751-871-2, 350 pagini.
5. **Pustan M.**, Rymuza Z., (2009) TRIBO-MECHANICAL CHARACTERIZATION OF MICROCOMPONENTS. In: Research Trends in Mechanics, Edited by the Romanian Academy of Sciences, ISBN 978 973 27 1816 2, (book chapter – 39 pagini)
6. Belcin, O., **Pustan, M.** (2009) ORGANE DE MAȘINI. CUPLAJE – Probleme rezolvate, Ed. Risoprint, Cluj-Napoca, ISBN 978-973-53-0107-1, 145 pagini.
7. Sucală, F., **Pustan, M.**, ș.a. (2008)- ORGANE DE MAȘINI, MECANISME ȘI TRIBOLOGIE - Studii de caz, Ed. Todesco, Cluj Napoca, ISBN 978-973-7695-65-9, 396 pagini.
8. Belcin, O., **Pustan, M.** (2008) ORGANE DE MAȘINI. RULMENȚI. ANGRENAJE – Probleme rezolvate. Ed. Risoprint, Cluj-Napoca, ISBN 978-973-751-871-2, 145 pagini.
9. **Pustan, M.**, Rymuza, Z., (2007) MECHANICAL AND TRIBOLOGICAL CHARACTERIZATION OF MEMS STRUCTURES, Ed. Risoprint, Cluj-Napoca, ISBN 978-973-751-641-1, 145 pagini (in english).
10. Tudose, L., Pop, D., Haragâs, S., Nistor, G., Jucan, D., **Pustan, M.**, (2006) PROIECTAREA OPTIMALĂ A SISTEMELOR COMPLEXE, Ed. Mediamira, Cluj-Napoca, ISBN 973-713-076-6, 318 pagini.
11. Belcin, O., **Pustan, M.**, (2006) ORGANE DE MAȘINI. RULMENȚI, FUSURI ȘI PIVOȚI – Probleme rezolvate, Ed. Risoprint, Cluj-Napoca, ISBN 973-751-118-2, 125 pagini.

12. Belcin, O., **Pustan, M.**, Turcu, I., (2005) ORGANE DE MAȘINI. OSII ȘI ARBORI DREPTI – Probleme rezolvate, Ed. Risoprint, Cluj-Napoca, ISBN 973-656-971-3, 115 pagini.
13. Belcin, O., Turcu, I., **Pustan, M.**, (2004) ORGANE DE MAȘINI. ASAMBLĂRI DEMONTABILE – Probleme rezolvate, Ed. Risoprint, Cluj-Napoca, ISBN 973-656-552-1, 170 pagini.
14. Sucala, F., Bojan, S., Haragas, S., Kerekes, G., **Pustan, M.**, (2004) MECANISME ȘI ORGANE DE MAȘINI – Lucrări de laborator, Ed. Todesco, Cluj-Napoca, ISBN 973-8198-83-6, 72 pagini.
15. Pop, D., Tudose, L., Popa, C., **Pustan, M.**, Haragas S., (2003)- REDUCTOARE CU DOUĂ TREPTE. CALCULUL ANGRENAJELOR , Editura TODESCO, ISBN 973-8198-56-9, 203 pagini.

C. Articole publicate în reviste de specialitate

C.1 Articole publicate în reviste ISI

1. **Pustan M.**, Dudescu C., Birleanu C. (2015) The effect of sensing area position on the mechanical response of mass-detecting cantilever sensor, **Microsystems Technologies**, Volume 21, Issue 9, 28 April 2015, Pages 1827-1834.
2. **Pustan M.**, Dudescu C., Birleanu C. (2015) Nanomechanical and nanotribological characterization of a MEMS micromembrane supported by two folded hinges, **Analog Integrated Circuits and Signal Processing**, ISSN: 0925-1030 (Print) 1573-1979 (Online), Volume 82, Issue 3, 2015, Pages 627-635, DOI 10.1007/s10470-014-0482-y
3. Voicu R., **Pustan M.**, Birleanu C., Baracu A., Muller R. (2015) Mechanical and tribological properties of thin films under changes of temperature conditions, **Surface and Coatings Technology**, doi:10.1016/j.surfcoat.2015.01.026 (in press)
4. Rusu F., **Pustan M.**, Birleanu C., Muller R., Voicu R., Baracu A. (2015) Analysis of the surface effects on adhesion in MEMS structures, **J. Applied Surface Science**, September 2015 (In Press), doi:10.1016/j.apsusc.2015.09.052
5. Merie V., **Pustan M.**, Negrea G., Birleanu C. (2015) Research on titanium nitride thin films deposited by reactive magnetron sputtering for MEMS applications, **J. Applied Surface Science**, doi:10.1016/j.apsusc.2015.07.063
6. Birleanu C., **Pustan M.** (2015) Analysis of the adhesion effect in RF-MEMS switches using atomic force microscope, **Analog Integrated Circuits and Signal Processing**, ISSN: 0925-1030 (Print) 1573-1979 (Online), Volume 82, Issue 3, 2015, Pages 571-581, DOI 10.1007/s10470-014-0481-z
7. Culea E.N., Pascuta P., **Pustan M.**, Tamas-Gavrea D.R., Pop L., Vida-Simiti I. (2015) Effects of Eu:Ag codoping on structural, magnetic and mechanical properties of lead tellurite glass ceramics, **Journal of Non-Crystalline Solids**, Volume 408, 15 January 2015, Pages 18–25
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9. Merie V., **Pustan M.**, Birleanu C., Candea V., Popa C. (2014) Tribological and micro/nano-structural characterization of some Fe-based sintered composites, **International Journal of Materials Research**, DOI: 10.3139/146.111084, <http://www.hanser-elibrary.com/doi/abs/10.3139/146.111084>

10. **Pustan M**, Dudescu C, Birleanu C, Rymuza Z (2013) Nanomechanical studies and material characterization of metal/polymer bilayer cantilevers MEMS Structures, **International Journal of Materials Research**, 104 (4), ISSN 1862-5282, 408-414, DOI: [110.3139/146.110879](https://doi.org/10.3139/146.110879).
11. **Pustan, M.**, Birleanu, C., Dudescu, C. (2013) Simulation and experimental analysis of thermo-mechanical behaviour of microresonators under dynamic loading, **Microsystem Tehnologies**, 19 (6), ISSN 1432-1858, 915-922, DOI: [10.1007/s00542-012-1728-1](https://doi.org/10.1007/s00542-012-1728-1).
12. **Pustan M**, Belcin, O., Birleanu, C. (2013) Mechanical seals with oscillating stator, **Meccanica**, 48 (5) Print ISSN 0025-6455, On-line ISSN 1572-9648, 1191-1200, DOI: [10.1007/s11012-012-9660-0](https://doi.org/10.1007/s11012-012-9660-0).
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14. **Pustan M**, Muller R, Golinval J-C. (2012) Nanomechanical and nanotribological characterization of microelectromechanical system, **Journal of Optoelectronics and Advance Materials**, 18, ISSN 1454-4164, 246-250.
15. Wu, L., Noel, L., Rochus, V. **Pustan, M.**, Golinval, JC. (2011) Micro-Macro Approach to Predict Stiction due to Surface Contact in Micro Electro- Mechanical Systems, **IEEE/ASME Journal of Microelectromechanical Systems**, 20 (4), ISSN 1057-7157, 976-990-412, DOI: [10.1109/JMEMS.2011.2153823](https://doi.org/10.1109/JMEMS.2011.2153823).
16. **Pustan M**, Paquay S, Rochus V, Golinval J-C. (2011) Modeling and finite element analysis of mechanical behavior of flexible MEMS components, **Microsystem Technologies**, 17 (4), ISSN 1432-1858, 553-562, DOI: [10.1007/s00542-011-1232-z](https://doi.org/10.1007/s00542-011-1232-z).
17. **Pustan M.** (2011) Nanomaterial behaviour of a gold microcantilever subjected to plastic deformations, **Digest Journal of Nanomaterials and Biostructures**, 6, ISSN 1842-3582, 287-292.
18. **Pustan, M**, Rymuza, Z. (2007) Mechanical Properties of Flexible Microcomponents with movable load, **Journal of Micromechanics and Microengineering**, 17 (8), ISSN 0960-1317,1611-1617, DOI: [10.1088/0960-1317/17/8/026](https://doi.org/10.1088/0960-1317/17/8/026).
19. **Pustan M**, Ekwiniski G, Rymuza Z (2007) Nanomechanical studies of MEMS Structures, **International Journal of Materials Research**, 98 (5), ISSN 1862-5282, 384-388, <http://www.ijmr.de/MK101482>.

C.2 Articole publicate în reviste de prestigiu din străinătate

20. Merie V., **Pustan M.**, Birleanu C., Negrea G., Belcin O. (2015) Substrate Influence on the Mechanical and Tribological Characteristics of Gold Thin Films for MEMS Applications, **Advanced Engineering Forum** 2015, Vol. 13, p59-66. 8p
21. **Pustan M.**, Birleanu C., Rusu F., Haragas S. (2014) Dynamic Behavior of MEMS Resonators, **Applied Mechanics and Materials** Vol. 658 (2014) pp 694-699, (2014) Trans Tech Publications, Switzerland, DOI:10.4028 / www.scientific.net/AMM.658.694
22. Merie V., **Pustan M.**, Birleanu C. , Negrea G. (2014) The Influence of Substrate on the Mechanical and Tribological Characteristics of MEMS Materials for Space Applications, **Applied Mechanics and Materials** Vol. 658 (2014) pp 329-334, (2014) Trans Tech Publications, Switzerland, DOI: 10.4028/www.scientific.net/AMM.658.329
23. Chiorean R., Dudescu M.C., **Pustan M.**, Hardau M. (2014) V-Beam Thermal Actuator's Performance Analysis Using Digital Image Correlation, **Applied Mechanics and Materials**

- Vol. 658 (2014), pp.173-176, (2014) Trans Tech Publications, Switzerland, DOI: 10.4028/www.scientific.net/AMM.658.173
24. Chiorean R., Dudescu M.C., **Pustan M.**, Hardau M. (2014) Deflection determination of V-beam thermal sensors using Digital Image Correlation, *Key Engineering Materials*, 601, pp. 41-44
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 26. **Pustan M.**, Zygmunt R., Belcin O. (2009) Mechanical properties of micromembranes supported by four hinges, **Machine Design**, ISSN 11821-1259.
 27. **Pustan M.**, Belcin O., (2009) Applications of atomic force microscope for mechanical and tribological characterizations of teeth and biomaterials, **Journal of Tribology in Industry**, Vol. 31, ISSN 0354-8996.
 28. **Pustan, M.**, Rymuza, Z. (2007) Comparative studies of advantages of integrated monolithic versus hybrid microsystem, in *Recent Advances in Mechatronics*, R. Jablonski, M. Turkowski, R. Szewczyk (Editors), Springer Verlag, Berlin, ISBN 978-3-540-73955-5, 521-525.
 29. **Pustan, M.**, Rymuza, Z., Zielecka, M. (2007) Mechanical properties of flexible microcomponents for MEMS/NEMS fluid application, in **MEMS Technology and Devices**, A.Liu, J.Wu, Ch.Lu and Ch.D.Reddy (Editors), Pan Stanford Publishing, Singapore, ISBN-13 978-981-270-960-8, ISBN-10 981-270-960-6, 234-237.
 30. Belcin,O., Turcu,I., **Pustan, M.** (2003) Freewheeling clutch and polyhedral ring. **Revista Meridian Ingineresc** nr.1/2003,Chisinau, ISSN 1683-853-x, 21-24.

C.3 Articole publicate în reviste recunoscute CNCSIS

31. **Pustan, M.**, Birleanu, C., Dudescu, C., Belcin, O., Golinval, J-C. (2012) Size effect on the Dynamical Behaviour of Electro Statically Actuated MEMS Resonators, the 36th International Conference ICMSAV, 25-26 octombrie 2012, Cluj-Napoca, Acta Technica Napocensis, Vol.55, Issue III, seria: Applied Mathematics and Mechanics, ISSN 1221-5872, 599-604, Index Copernicus 2010 - 3.89.
32. Birleanu, C., **Pustan, M.**, Dudescu, C., Belcin, O., Rymuza, Z. (2012) – Nanotribological Investigations on Adesion Effect Aplied to MEMS Materials, the 36th International Conference ICMSAV, 25-26 octombrie 2012, Cluj-Napoca, Acta Technica Napocensis, vol.55, Issue III, seria: Applied Mathematics and Mechanics, ISSN 1221-5872, , 671-676, Index Copernicus 2010 - 3.89.
33. **Pustan M.**, Belcin O., Golinval J.C. (2011) Dynamic investigations of paddle MEMS cantilevers used in mass sensing applications, Acta Technica Napocensis , Vol 54 Series Applied Mathematics and Mechanics, ISSN 1221-5872, 117-112, Index Copernicus 2010 - 3.89.
34. Popa C., Bariani P., **Pustan M.** (2011) Experimental investigations of the rollers surfaces subjected to the contact fatigue, Acta Technica Napocensis , Vol 54 Series Applied Mathematics and Mechanics, ISSN 1221-5872, 203-208, Index Copernicus 2010 - 3.89.
35. **Pustan M.**, Belcin O., Bariani P. (2009) Analysis of resonant frequencies of mechanical microelements by use of atomic force microscope, Acta Technica Napocensis, Vol.2, ISSN 1221-5872, Index Copernicus 2010 - 3.89.

36. **Pustan M.**, Belcin O., (2009) Scale effect on bending stress and strain of sensing mechanical microelements, Acta Technica Napocensis, Vol. 2, ISSN 1221-5872, Index Copernicus 2010 - 3.89.
37. **Pustan, M.**, Dan, A. (2008) Tribological characterizations of Micro-Nano components, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. VII (XVII), Romania.
38. **Pustan, M.**, Rymuza, Z. (2007) Machine elements on micro-scale, Acta Technica Napocensis, Vol. 2, ISSN 1221-5872, 219-224.
39. **Pustan, M.**, Rymuza, Z. (2007) Experimental tests of flexible microcomponents by use of atomic force microscope, Acta Technica Napocensis, Vol. 2, ISSN 1221-5872, 225-228.
40. Tudose, L., **Pustan, M.** (2006) Mechanical seals with impulses. A hydrodynamical approach, The Anal of The "Dunarea de Jos" of Galati, Romania, ISSN 1221-4590, 79-84.
41. **Pustan, M.** (2005) Etanșare frontală exterioară cu impulsuri. Analiza stabilității statice. Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. IV, ISSN 1583-0691.
42. **Pustan, M.** (2005) Analiza pe calculator a etanșărilor frontale exterioare cu impulsuri pe baza debitului de pierderi, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. IV, ISSN 1583-0691.
43. **Pustan, M.** (2004) Hydrodynamic analysis of mechanical seals with impulse. Determination of the Reynolds equation, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. III, ISSN 1583-0691.
44. **Pustan, M.** (2004) Hydrodynamic analysis of mechanical seals with impulse. Determination of leakage flow rate, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. III, ISSN 1583-0691.
45. **Pustan, M.** (2003) Computer analysis of internal mechanical face seal with impulse base don fluid losses, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. II, ISSN 1583-0691.

D. Articole publicate în volumele unor manifestări științifice

46. Invited Lecturer:

Pustan M., Muller R., Golinval JC., Nanomechanical and nanotribological characterization of microelectromechanical system, the 12th International Balkan Workshop on Applied Physics, Constanta, 6-8 July 2011.

D.1 Articole prezentate la Conferinte ISI / IEEE

47. **Pustan M.**, Chiorean R., Birleanu C., Dudescu C. (2015) Reliability design of thermally actuated MEMS switches supported by V -Beams, IEEE Symposium on Design, Test, Integration and Packaging of MEMS/MOEMS (DTIP) 2015, Montpellier, 27-30 April 2015, ISBN 978-1-4799-8627-9
48. Baracu A., Voicu R., Muller R., Avram A., **Pustan M.**, Chiorean R., Birleanu C., Dudescu M. (2015) Design and fabrication of a MEMS chevron-type thermal actuator, Int. Conf. on Nanotechnology and Organic Electronics, AIP Conf. Proc. 1646, 25 (2015); <http://dx.doi.org/10.1063/1.4908578>
49. Merie V., **Pustan M.**, Birleanu C., Negrea G. (2014) Nanocharacterization of titanium nitride thin films obtained by reactive magnetron sputtering, NANOSTRUC 2014 International

Conference on Structural Nano Composites, 20-21 May, Madrid, Spain, <http://www.nanostruc.info/>, <http://dx.doi.org/10.6084/m9.figshare.1094067>

50. Chiorean R., Dudescu M.C., **Pustan M.**, Hardau M. (2014) Analytical and numerical study on the maximum force developed by a V-beam thermal actuator, 7TH INTERNATIONAL CONFERENCE INTERDISCIPLINARITY IN ENGINEERING (INTER-ENG 2013), Procedia Technology, 12, pp359-363, DOI: 10.1016/j.protcy.2013.12.499
51. **Pustan M.**, Birleanu C., Rusu F., Dudescu C., Belcin O. (2014) Size effect on the microbridges quality factor tested in free air space, 15th International Conference on Thermal, Mechanical and Multi-Physics Simulation and Experiments in Microelectronics and Microsystems, EuroSimE 2014, Gent, Belgium – April 7-8-9, 2014, 978-1-4799-4790-4/14/\$31.00 ©2014 IEEE
52. **Pustan M.**, Dudescu C., Birleanu C. (2014) Nanomechanical and Nanotribological characterization of a MEMS micromembrane supported by two folded hinges, DTIP, Design, Test, Integration & Packaging of MEMS/MOEMS 01-04 April 2014, Cannes, France, pp. 282-287, ©EDA Publishing/DTIP 2014 ISBN: 978-2-35500-028-7, IEEE Catalog Number: CFP14DTI-PRT, http://cmp.imag.fr/conferences/dtip/dtip2014/documents/DTIP2014_Program.pdf
53. Birleanu C., **Pustan M.** (2014) Analysis of the adhesion effect in RF-MEMS switches using atomic force microscope, DTIP, Design, Test, Integration & Packaging of MEMS/MOEMS 01-04 April 2014, Cannes, France, pp. 146-152, ©EDA Publishing/DTIP 2014 ISBN: 978-2-35500-028-7, IEEE Catalog Number: CFP14DTI-PRT, http://cmp.imag.fr/conferences/dtip/dtip2014/documents/DTIP2014_Program.pdf.
54. Baracu A., Voicu R., Müller R., Avram A, **Pustan M.**, Chiorean R., Birleanu C., Dudescu C. (2014) Design and fabrication of a MEMS chevron-type thermal actuator, 11th International Conference on Nanoscience&Nanotechnologies (NN14), 8-11 July 2014, Thessaloniki, Greece, AIP Conference Proceedings Vol.1646, pp.25-30, DOI: 10.1063/1.4908578
55. **Pustan, M.**, Dudescu, C., Birleanu, C. (2013) Measurement of energy loss coefficient of electrostatically actuated mems resonators, 4th International Conference on Integrity, Reliability and Failure, Funchal, Portugal, 23-27 June 2013, IRF 2013, TRACK_J: NANOTECHNOLOGIES AND NANOMATERIALS paper no. 3921, ISBN: 978-972-8826-27-7, 305-307.
56. **Pustan, M.**, Birleanu, C., Dudescu, C., Calin, L., (2013) The influence of temperature on mechanical and tribological properties of dental materials, 4th International Conference on Integrity, Reliability and Failure, Funchal, Portugal, 23-27 June 2013, IRF 2013, SYMP_06: INTEGRITY, RELIABILITY AND FAILURE IN DENTAL MATERIALS, paper no. 3923, ISBN: 978-972-8826-27-7, 473 – 475.
57. **Pustan, M.**, Dudescu, C., Birleanu, C. (2013) The effect of sensing area position on the mechanical response of mass - detecting cantilever sensor, DTIP, Design, Test, Integration & Packaging of MEMS/MOEMS 16-18 April 2013, Barcelona, Spain, 87-92, ©EDA Publishing/DTIP 2013 ISBN: 978-2-35500-020-1, IEEE Catalog Number: CFP12DTI-PRT, http://cmp.imag.fr/conferences/dtip/dtip2012/documents/DTIP2013_Program.pdf.
58. **Pustan, M.**, Birleanu, C., Dudescu, C., Belcin, O. (2013) - Temperature Effect on Tribological and Mechanical Properties of MEMS, 978-1-4673-6139-2/13/©2013 IEEE 2013 14th International Conference on EuroSimE 14-16 April 2013, Wroclaw, Poland, DOI: [10.1109/EuroSimE.2013.6529890](https://doi.org/10.1109/EuroSimE.2013.6529890).
59. **Pustan, M.**, Birleanu, C., Dudescu, C. (2012) - Simulation and Experimental Analysis of Thermo-Mechanical Behavior of Microresonators under Dynamic Loading, DTIP, Design, Test, Integration & Packaging of MEMS/MOEMS 25-27 April 2012, Cannes, France, pp 87-

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60. **Pustan, M.**, Birleanu, C., Dudescu, C., Belcin, O. (2012) - Mechanical and tribological characterizations for reliability design of micromembranes, 13th International Conference on Thermal, Mechanical and Multi-Physics Simulation and Experiments in Microelectronics and Microsystems, EuroSimE 2012, Cascais, Portugal – April 16-18, paper 132, ISBN 978-1-4673-1511-1, IEEE Catalog Number: CFP12566-CDR, DOI: [10.1109/ESimE.2012.6191802](https://doi.org/10.1109/ESimE.2012.6191802).
61. Voicu R., Muller R., **Pustan M.** (2011) Investigation of dimensions effect on stress of bi-material cantilever beam, the 34th International Spring Seminar on electronics technologies, 11-15 May 2011, Slovakia, 461-465, DOI: [10.1109/ISSE.2011.6053907](https://doi.org/10.1109/ISSE.2011.6053907).
62. **Pustan M.**, Paquay S., Rochus V., Golinval J-C, (2011) Effects of the electrode position on the dynamical behaviour of electrostatically actuated MEMS resonators, IEEE Conference on Thermal, Mechanical and Multiphysics Simulation and Experiments in Micro/Nanoelectronics and Systems, EuroSimE 2011, Lintz, Austria, DOI: [10.1109/ESIME.2011.5765767](https://doi.org/10.1109/ESIME.2011.5765767).
63. **Pustan M.**, Rochus V., Golinval J-C, (2010) Effects of the geometrical dimensions on stress and strain of electrostatically actuated MEMS resonators at pull-in and stiction positions, IEEE Conference on Thermal, Mechanical and Multiphysics Simulation and Experiments in Micro/Nanoelectronics and Systems, EuroSimE 2010, Bordeaux, France, DOI: [10.1109/ESIME.2010.5464576](https://doi.org/10.1109/ESIME.2010.5464576).
64. **Pustan, M.**, Paquay S., Rochus V., Golinval J-C, (2010) Modeling and finite element analysis of mechanical behavior of flexible MEMS components, IEEE Symposium on Design, Test, Integration & Packaging of MEMS/MOEMS, DTIP 2010, Seville, Spain, 171-176.
65. **Pustan, M.**, Rymuza, Z., Schneider, A., Serra, S.G., and Huq, S.E., Mechanical characteristics of multilayer MEMS components, 20th IEEE International Microprocesses and Nanotechnology Conference, November 5-8, 2007, Kyoto, Japan, Digest of Papers: Japan Society of Applied Physics, Tokyo 2007, 360-361, DOI: [10.1109/IMNC.2007.4456253](https://doi.org/10.1109/IMNC.2007.4456253).

D.2 Articole publicate în volumele unor conferințe internaționale din străinătate

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67. Rusu F., **Pustan M.**, Birleanu C. (2014) Analysis of the Environmental Conditions on the Dynamic Behavior of MEMS Resonators, The 13th European Conference on SPACECRAFT, STRUCTURES, MATERIALS& ENVIRONMENTAL TESTING, 1-4 April 2014, Braunschweig, Germany
68. **Pustan, M.**, Dudescu, C., Birleanu, C. (2013) – Micromembranes supported by serial-parallel connected hinges, 6th ECCOMAS Thematic Conference on Smart, Structures and Materials (SMART2013), Session SS6 Smart Micro & Nano Materials & Structures, paper 1220, Politecnico di Torino, Italy 24-26 June.
69. Pustan, M., Birleanu, C., Dudescu, C., Belcin, O. (2013) - Adhesion, Friction and Wear Measurement of Dental Materials using Atomic Force Microscope, ConsEuro, 9 - 11 May, Paris.

70. **Pustan, M.**, Rochus V., Golinval J-C, (2010) Nanotribological and Nanomechanical Characterizations of MEMS Materials, NanoWal Conference, Louvain-la-Neuve Belgium.
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