

Lista de lucrări

Conf. univ. dr. abil. Ildiko Peter

Teză de Abilitare:

Titlul Tezei: “Development, optimization and characterization of metallic alloys for automotive and high temperature applications, and of functionalized materials for multidisciplinary uses”.

Abilitare în Ingineria Materialelor

Anul susținerii: 2018

Confirmare Ordin MEC: Atestat de abilitare în Ingineria Materialelor nr. 3789/04.06.2018 emis de Ministerul Educației Naționale

Teză Doctorat:

Titlul Tezei: “*Vitrification of bottom ash from incineration of Municipal Solid Waste and their reuse for the preparation of new materials*”, PhD. Thesis (Tesi di Dottorato), 2006, Torino, Italy. Supervisor: Prof. Pietro Appendino (Politecnico di Torino).

Diploma de Doctor în Știința și Ingineria Materialelor (PhD)

Atestat de recunoaștere Nr.76153/A.N./16.05.2017

Eliberat de Ministerul Educației Naționale- Centrul Național de Recunoaștere și Echivalare a Diplomelor

Cărți de specialitate

1. **I.Peter**, “Metallic alloys for engineered applications”, 1-106, ARA Publisher Academic Press, Address: P.O. Box 2761, Citrus Heights, CA 95611-2761 (2018), ISBN 978-1-935924-28-9.

Capitole în volume colective

1. **I.Peter**, R. Sesana, “Relationship between microstructural features and fatigue behavior of Al-based alloy in green chemical processing”, Mechanical Fatigue of Metals – Experimental and Simulation Perspectives, Structural Integrity, pp. 27-33 (2019), ISBN: 978-3-030-13979-7, WOS:000494944700004.
2. **I.Peter**, M. Rosso, “Continuous casting and Rolling of Thin Aluminum Sheets” Encyclopedia of Aluminum and Its Alloys, Two-Volume Set, Edited by George E. Totten, Murat Tiryakioglu, Olaf Kessler, Science CRC Press, (2018), pp. 2696-2706, ISBN 9781351045629, WOS:000670295800157.
3. **I.Peter**, M. Rosso, “Manufacturing, composition, properties and application of sintered hard metals” in Powder Metallurgy - Fundamentals and Case Studies, 244-272, InTech ed. (2017), DOI /10.5772/6687.
4. **I.Peter**, C. Castella, M. Rosso, “The Role of Liquid Phase in SSM Processes” in Liquid Metals and Alloys: From Structure to Industrial Applications by TransTech Publications Ltd. Edited by L. Arnberg, F. Bonollo and R. Montanari

ISSN: 1662-9752, Vol. 884, pp 93-114 pp. 93-114 (2017), DOI: 10.4028/www.scientific.net/MSF.884.93.

5. **I. Peter**, L. Matekovits, M. Rosso, “Up-to-Date Knowledge and Outlooks for the Use of Metallic Biomaterials: Review Paper” in Biomaterials in Regenerative Medicine InTech ed. **2017**, pp. 44-63, <http://dx.doi.org/10.5772/intechopen.69970>.
6. **I. Peter**, B. Varga, “Some considerations on the structure refinement in Al based alloys” in Aluminium Alloys - Recent Trends in Processing, Characterization, Mechanical Behavior and Applications, InTech ed. **2017**, pp. 17-38, <http://dx.doi.org/10.5772/intechopen.71450>.
7. M. Rosso, **I. Peter**, C. Castella, S. Lombardo, Grain Refinement of Self-Hardening Aluminum Alloys”, Light Metals **2016**, Williams, E. Alcoa Technical Center, United States. Published by. Wiley, ISBN: 978-111927478-0;978-111922579, DOI: 10.1002/9781119274780.
8. **I. Peter**, M. Rosso, “Light alloys: from traditional to innovative technologies” in New Trends in Alloy Development, Characterization and Application, 3-38, InTech ed. (2015), ISBN 978-953-51-4216-4, DOI: 10.5772/60769.
9. M. Rosso, **I. Peter**, C. Castella, “Influence on heat treatment parameters on the metallurgical quality of EN AW 7068 extruded” Light Metals 2015 Edited by: Margaret Hyland pp. 229-235, ISBN: 978-111909343-5;978-111908244-6, DOI: 10.1002/9781119093435.ch40.
10. M. Rosso, **I. Peter**, Castella Christian, Roberto Molina, “Properties of AlZn10Si8Mg Alloys for High Performances Application” Light Metals **2014**, Edited by John Grandfield, Published by John Wiley & Sons, Inc., Hoboken, New Jersey, Published simultaneously in Canada. ISBN: 978-111888843-8;978-111888908-4, <https://doi.org/10.1002/9781118888438.ch37>.

Articole în reviste cotate ISI, cu factor de impact

1. L. Kouhalvandi, L. Matekovits, **I. Peter**, “Deep learning assisted automatic methodology for implanted mimo antenna designs on large ground plane”, Electronics **2022**, 11, 47. <https://doi.org/10.3390/electronics11010047>. **IF 2.39**
2. **I. Peter**, Investigations into Ti-Based Metallic Alloys for Biomedical Purposes, Metals **2021**, 11, 1626. <https://doi.org/10.3390/met1101626>. **IF 2.35**
3. F. S. Gobber, E. Fracchia, A. Fais, **I. Peter**, M. Actis Grande, Characterization of AlSi10Mg-CP-Ti Metal/Metal Composite Materials Produced by Electro-Sinter-Forging, Metals **2021**, 10, DOI 10.3390/met1101645. **IF 2.35**
4. A. I. Dumitru, G. Velciu, D. Patroi, J. Pintea, T.G. Dumitru, **I. Peter**, “Influence of the Zr⁴⁺/Ti⁴⁺ ratio on the properties of the 0.98Pb(Zr_{1-x}Ti_x)O₃ – 0.02La(Fe_{3+0.5}, Nb_{5+0.5})O₃ COMPOSITIONS”, Romanian Journal of Materials **2021**, 51 (2), 161 – 168. **IF 0.563**
5. A. I. Dumitru, G. Velciu, D. Patroi, J. Pintea, V. Marinescu, T.G. Dumitru, **I. Peter**, “Investigation of phase formation and electrical properties of Fe-doped PZT ceramics” Romanian Journal of Materials **2021**, 51 (2), 161 – 168. Revista Română de Materiale / Romanian Journal of Materials **2021**, 51 (3), 335 – 341. **IF 0.563**

6. C. Castella, **I. Peter**, S. Lomardo, M. Rosso, "Self-hardening aluminum alloys and their potential applications in the automotive industry", *Metallurgia Italiana* Vol.110, Issue 5, pp. 19-30 (2018). **IF 0.17**
7. **I. Peter**, M. Agapie, B. Varga, "Dendritic segregation of Zn-Al eutectoid alloys" *Metals - Open Access Metallurgy Journal*, Vol. 8, Issue 11, 8 November 2018, ISSN:20754701, <http://dx.doi.org/10.3390/met8110924>. **IF 0.38**
8. L. Matekovits, Y. Su, **I. Peter**, "On the Radiation Mechanism of Implanted Antennas with Large Conformal Ground Plane", *IET Microwaves, Antennas & Propagation*, Vol. 11, No. 12, pp. 1765-1769, Sept. 22, 2017. **IF 1.18**. <http://dx.doi.org/10.1049/iet-map.2017.0280>. **IF 1.18**
9. L. Matekovits, J. Huang, **I. Peter**, K.P. Esselle, "Mutual Coupling Reduction between Implanted Microstrip Antennas on a Cylindrical Bio-metallic Ground Plane, *IEEE Access* Vol.5 (2017) DOI: 10.1109/ACCESS.2017.2703872. **IF 3.55**
10. A. Ghiban, B. Ghiban, **I. Peter**, M. Rosso, I. Dan, Tiganescu T.V., "Structural behaviour of CoCrMoTi(Zr) alloys for dental applications", *Revista de Chimie* Volume 67, Issue 6 (2016) 1131-1136. **IF 1.23**
11. **I. Peter**, M. Rosso, "Evaluation of thixoforging process for steering piston production as possible alternative to hot forging" *La Metallurgia Italiana* 6 (2016) 125-128. **IF 0.17**
12. V. Loscri, L. Matekovits, **I. Peter**, A.M. Vegni, "In-body Network Biomedical Applications: from Modeling to Experimentation, *IEEE Transactions on NanoBioscience*, Vol.15, No.1, pp.53-61, (2016), DOI: 10.1109/TNB.2016.2521386. **IF 2.56**
13. **I. Peter**, M. Rosso, "Study of Ti-enriched CoCrMo alloy for dental application", *IEEE Access*, The Journal for rapid open access publishing, Vol.3, 2015, pp. 73-80, doi 10.1109/ACCESS.2015.2398312. **IF 1.27**
14. A.H.A. Monteverde Videla, R. Alipour Moghadam Esfahani, **I. Peter**, Specchia S. "Influence of the preparation method on Pt3Cu/C electrocatalysts for the oxygen reduction reaction" *Electrochimica Acta* 11 (2015) 51-56 ISSN 0013-4686. **IF 4.803**.
15. A. S Afify, M. Hassan, M. Piumetti, **I. Peter**, B. Bonelli, J.M. Tulliani, "Elaboration and characterization of modified sepiolites and their humidity sensing features for environmental monitoring, *Journal Applied Clay Science* 115 (2015) 165-173. **IF 2.586**
16. **I. Peter**, M. Rosso, F.S. Gobber, "Study of protective coatings for aluminum die casting molds", *Applied Surface Science* 358 (2015) 563–571. **IF 3.15**
17. M. Agapie, **I. Peter**, B. Varga, "Structure of cooled Zn-Al eutectoid based alloys on biphasic domain", *Journal of Optoelectronics and Advanced Materials* Vol. 17, No. 11-12, November – December 2015, 1842 - 1848. **IF 0.38**
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19. R. M. Florea, **I. Peter**, M. Rosso, D. Mitrica, I. Carcea, Microstructural evolution and mechanical properties of AlMg/AlN composite materials obtained "in-situ", *Journal of Optoelectronics and advanced materials* Vol. 15, No. 7- 8, July-August 2013, p. 833 – 840, ISSN: 1454-4164.
20. M. Rosso, **I. Peter**, R. Molina, A. Montedoro, G. Tonno, P. Claus, "Aluminium based components with enhanced characteristics through advanced squeeze

- casting process”, La Metallurgia Italiana, Vol. No. 3 (2012), pp. 25-28, ISSN: 0026-0843. **IF 0.17**
21. **I. Peter**, A. Zago, M. Actis Grande, D. Ugues, “Thermo-mechanical and oxidation behaviour of high temperature advanced metallic alloys”, Surface & Coatings Technology, pp.1776-1784, 2009, Vol.203, DOI: 10.1016/j.surfcoat.2008.12.021, ISSN: 0257-8972. **IF 1.99**
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 23. M. Ferraris, M. Salvo, **I. Matekovits**, A. R. Boccaccini, “Oxidation protective coating for SiC fibre reinforced glass matrix composites”, Advanced Engineering Materials, 6 [11] (2004) 910-914, DOI: 10.1002/adem.200400106, ISSN:1527-2648. **IF 1**
 24. P. Appendino, M. Ferraris, **I. Matekovits**, M. Salvo, “Production of glass-ceramic bodies from municipal solid waste incinerator bottom ashes”, J. Eur. Ceram. Soc. 24 [5] (2004) 803-810, DOI: 10.1016/S0955-2219(03)00264-4, ISSN: 0955-2219. **IF 3**
 25. A. Karamanov, L. Arrizza, **I. Matekovits**, M. Pelino, “Properties of sintered glass- ceramics in the diopside-albite system”, Ceramic International 30 (2004) 2129-2135, DOI: 10.1016/j.ceramint.2003.11.019 ISSN: 0272-8842. **IF 2.6**
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Articole în reviste cotate ISI fără factor de impact și Articole în reviste indexate BDI în ordine decrescătoare a anilor

1. **I.Peter**, Z.German-Salo, L. Moldovan, “Editorial: 2020 First Volume of Acta Marisiensis. Seria Technologica”, Acta Marisiensis. Seria Technologica Vol. 17 (XXXIV) no. 1, 2020, pp. 1-3, ISSN 2668-4217, ISSN-L 2668-4217, doi: 10.2478/amset-2020-0001.
2. **I.Peter**, L. Matekovits, “Materials for electromagnetic purpose: the case of a microstrip patch antenna characteristics improvement by addition of metals as spherical inclusions into the substrate”, Acta Marisiensis. Seria Technologica Vol. 17 (XXXIV) no. 1, 2020, pp. 11-16, ISSN 2668-4217, ISSN-L 2668-4217, doi: 10.2478/amset-2020-0003.
3. A.I. Dumitru, F. Clicinschi, T.G. Dumitru, D. Patroi, J. Pintea, G. Velciu, **I. Peter**, “Effects of sintering temperature on structural and electrical properties of “Fe³⁺ doping PZT ceramics”, Acta Marisiensis. Seria Technologica Vol. 18 (XXXIV) no. 2, 2020, pp. 4-7, ISSN 2668-4217, ISSN-L 2668-4217, doi: 10.2478/amset-2020-0012.
4. **I.Peter**, Z.German-Salo, L. Moldovan, “Editorial: Second Volume of Acta Marisiensis. Seria Technologica”, Acta Marisiensis. Seria Technologica Vol. 17 (XXXIV) no. 2, 2020, pp. 1-3, ISSN 2668-4217, ISSN-L 2668-4217, doi: 10.2478/amset-2020-0011.

5. **I. Peter**, E. Fracchia, I. Canale, R. Maiorano, "Incremental sheet forming for prototyping automotive modules", *Procedia Manufacturing*, Volume 32, **2019**, pp. 50-58, <https://doi.org/10.1016/j.promfg.2019.02.182>.
6. **I. Peter**, M. Rosso, "Focus on development of quality, high pressure die casting process", *Archives of Metallurgy and Materials* 64(1):125-128, (**2019**) DOI: 10.24425/amm.2019.126227.
7. L. Matekovits, G. Fortino, Z. Wang, H. Ghasemzadeh, V. Loscri, **I. Peter**, M. Hämmäläinen, "IEEE Access Special Section Editorial: Body Area Networks (Editorial)" *IEEE Access Open Access* Vol. 6, pp. 30990-30995 (**2018**).
8. **I. Peter**, M. Rosso, S. Lombardo, "Sequential Casting of Functionally Graded Material" *Key Engineering Materials* Vol. 750, pp 153-158 (**2017**), doi:10.4028/www.scientific.net/KEM.750.153.
9. **I. Peter**, "Effect of Ionic Liquid Environment on the Corrosion Resistance of Al-Based Alloy" *Key Engineering Materials* Vol. 750, pp 97-102 (**2017**), doi:10.4028/www.scientific.net/KEM.750.97.
10. **I. Peter**, C. Castella, S. Lombardo, M. Rosso, "Effect of high temperature exposure on the mechanical properties of self-hardening Al-based alloy" *Materials Science Forum* Volume 879, **2017**, pp. 1489-1494 (2017), DOI: 10.4028/www.scientific.net/MSF.879.1489.
11. **I. Peter**, C. Castella, M. Rosso, "Effects of thermal heat treatment parameters on the properties of WE43 magnesium alloy" *Key Engineering Material* 682, pp. 53-60 (**2016**), DOI: 10.4028/www.scientific.net/KEM.682.53.
12. **I. Peter**, M. Rosso, "Study and optimization of metal based sintered materials for automotive brake friction production", *Solid State Phenomena* Volume 254 (**2016**) 20-26.
13. **I. Peter**, L. Matekovits, M. Rosso, "Development of a metal coated conformal periodic geometry for electromagnetic application", *Advanced Materials Research* Vol 1114 (2015) pp 224-228 © (**2015**) Trans Tech Publications, Switzerland doi:10.4028/www.scientific.net/AMR.1114.224.
14. M. Rosso, **I. Peter**, F.S. Gobber, "Focus on carbide-tipped circular saws when cutting stainless steel and special alloys", *Advanced Materials Research* Vol 1114 (2015) pp 13-21 © (**2015**) Trans Tech Publications, Switzerland doi:10.4028/www.scientific.net/AMR.1114.13.
15. M. Rosso, **I. Peter**, C. Castella, R. Molina, "Optimization of composition for self-hardening AlZn10Si8Mg alloys", *Materials Today: Proceedings* 2 **2015**, 4949 – 4956
16. **I. Peter**, L. Matekovits, M. Rosso, "Development of a metal coated conformal periodic geometry for electromagnetic application", *Advanced Materials Research* Vol 1114 (**2015**) pp 224-228 © (2015) Trans Tech Publications, Switzerland doi:10.4028/www.scientific.net/AMR.1114.224.
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18. M. Rosso, **I. Peter**, C. Castella, R. Molina, "Optimization of composition for self-hardening AlZn10Si8Mg alloys", *Materials Today: Proceedings* 2 **2015**, 4949 – 4956
19. M. Rosso, **I. Peter**, F.G. Gobber, "Overview of heat treatment and surface engineering. Influences of surface finishing on hot - work tool steel", *Int. J. Microstructure and Materials Properties*, Vol. 10, No. 1, **2015**, pp.3-30, ISSN 1741-8410.

20. **I. Peter**, B. Varga., M. Rosso, "Eutectoid transformation in Zn-Al alloys solidified by rapid cooling" Materials Science Forum Vols. 790-791 (2014) pp 223-228, doi:10.4028/www.scientific.net/MSF.790-791.223.
21. M. Rosso, **I. Peter**, "FEM analysis for tangible component production", Key Engineering Materials Vols. 611-612 (2014) pp 1657-1664, doi:10.4028/www.scientific.net/KEM.611-612.1657.
22. **I. Peter**, M. Rosso, I. Forno, "Numerical investigation for evaluation and prevention of casting defects", Key Engineering Materials Vols. 611-612 (2014) pp 1807-1814, doi:10.4028/www.scientific.net/KEM.611-612.1807.
23. **I. Peter**, M. Rosso, "From hot forging to thixoforging: FEM analysis of thixoforging process for steering piston production" Solid State Phenomena Volume 217-218, 2014, Pages 366-373.
24. I. Gattelli, G. Chiarmetta. M. Boschini, R. Moschini, M. Rosso, **I. Peter**, "New generation of brake callipers to improve competitiveness and energy savings in very high performance cars" Solid State Phenomena Volume 217-218, 2014, pp 471-480 ISSN: 16629779 ISBN: 978-303835220-4 DOI: 10.4028/www.scientific.net/SSP.217-218.471.
25. **I. Peter**, M. Rosso, "Simulation of electrodeposition of Al from ionic liquid", Materials Science Forum Volume 794-796, 2014, pp 229-234 ISSN: 02555476 ISBN: 978-303835120-7 DOI: 10.4028/www.scientific.net/MSF.794-796.229.
26. **I. Peter**, M. Rosso, C. Castella, R. Molina, "Self-hardening alloys for automotive application Materials Science Forum Volume 794-796, 2014, pp 1221-1226 ISSN: 02555476 ISBN: 978-303835120-7 DOI: 10.4028/www.scientific.net/MSF.794-796.1221.
27. **I. Peter**, R.M. Florea, O. Bălătescu, I. Carcea, "Growth of AlN by Reactive Gas Injection of Nitrogen in an AlMg Matrix", Advanced Materials Research. vol. 1036, 2014, pp. 117-121. - ISSN 1022-6680.
28. **I. Peter**, M. Rosso, C. Castella, "Investigations on coating of dies for advanced squeeze casting process" Acta Metallurgica Slovaca, vol. 20 n. 1, 2014, pp. 18-27. - ISSN 1335-1532.
29. **I. Peter**, Mario Rosso, Dan Ioan, Brandusa Ghiban, Christian Castella, "Design and microstructure of innovative Cobalt base alloy, Materials Science Forum Vols. 790-791 (2014) pp. 235-240, doi:10.4028/www.scientific.net/MSF.790-791.235.
30. **I. Peter**, M. Rosso, A. Toppi, I. Dan, B. Ghiban, Investigation on cobalt based alloy modified by titanium for dental application, Archives of Materials Science and Engineering Vol. 61, Issue 2, June 2013, pp. 62-68, ISSN:1897-2764.
31. M. Rosso, **I. Peter**, C. Castella, R. Molina, "Investigation on AlZn10Si8Mg alloys for automotive application", Metallurgical Science and Technology Vol. 31 No.1 (2013) pp. 3-13, ISSN 0393-6074.
32. M. Rosso, **I. Peter**, D. Suani, About heat treatment and properties of Duplex Stainless steels, Journal of Achievements in Materials and Manufacturing Engineering, Vol. 59 Issue 1, July 2013, pp. 26-36, ISSN 1734-8412.
33. **I. Peter**, M. Rosso, D. Suani, Desing and casting technology for Ti-Al-Nb-Ta alloy, Metalurgia International, 2013 Special Issue Nr. 5, Vol. 18, pp. 29-31, ISSN: 1582-2214.
34. B. Varga, **I. Peter**, Structural transformations in Zn-Al₂₂ alloy solidified by ultra-rapid cooling, Metalurgia International, 2013 Special Issue Nr.6, Vol. 18, pp. 9-12, ISSN: 1582-2214.

35. M. Rosso, **I. Peter**, G. Chiarmetta, I. Gatelli, Extremely light weight rheocast components for auto motive space frame, *Solid State Phenomena* Vols.192-193, pp. 545-550 (2013), doi:10.4028/www.scientific.net/SSP.192-193.545.
36. M. Rosso, **I. Peter**, New frontiers for thixoforming, *International Journal of Microstructure and Materials Properties*, Vol. 8, Issue 1-2, 2013, pp. 113-124; ISSN: 1741-8410.
37. A. De Sabata, L. Matekovits, **I. Peter**, U. L. Rohde, A. M. Silaghi, "Metamaterial based high impedance surface with band-pass frequency response", *Journal of "Materials Science Forum" - Applied Electromagnetic Engineering for Magnetic, Superconducting and Nano Materials*, Vol. 721 (2012), pp. 59-64, ISSN: 1582-2214.
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41. M. Rosso, **I. Peter**, G. Chiarmetta, I. Gatteli, "Development of industrial components by improved rheocasting system" , *International Journal of Materials Forming*, pp. 787– 790, (2010) Vol. 3 Suppl 1, DOI 10.1007/s12289-010-0888-8.
42. **I. Peter**, M. Rosso, C. Bivol, "Microstructure and mechanical behaviour of Al-based alloy obtained by liquid forging technique" *Metallurgia International*, pp.15-19, (2009), Vol. XIV Special Issue 2, ISSN 1582-2214.
43. M. Rosso, **I. Peter**, P. Motoiu, "Studies of plasma nitriding of stainless-steels" *Metallurgia International*, pp.189-193, (2009), Vol. XIV Special Issue 3, ISSN 1582-2214.
44. M. Rosso, **I. Peter**, R. Villa, "Effects of T5 and T6 heat treatments applied to Rheocast A356 parts for automotive applications", *Journal Solid State Phenomena*, Vols. 141-143 (2008) pp. 237-242, DOI: 10.4028/www.scientific.net/SSP.141-143.237, ISSN: 1012-0394.
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46. P. Appendino, M. Ferraris, **I. Matekovits**, M. Salvo, L. Buzzi, M. Veglia, "Vetrificazione e riutilizzo di ceneri pesanti provenienti da inceneritori di rifiuti solidi urbani" – *Enco-Journal* Oct. 2004

Articolele in extenso apărute în volumele unor manifestări științifice (proceedings sau suppl)

1. **I.Peter**, M. Rosso "Investigations on Tungsten Inert Gas welded magnesium alloy" 7th International Conference on Advanced Materials and Structures AMS'18, 28-31 March 2018 Timișoara (Romania).

2. **I. Peter**, L. Matekovits, "Biometallic orthopedic implant with printed antenna" BODYNETS 2018 - 13th EAI International Conference on Body Area Networks October 2-3, **2018**, Oulu, Finland.
3. Z. Hamzavi-Zarghani, A. Yahaghi, L. Matekovits, **I. Peter**, "Tunable Polarization Converter Based on Graphene Metasurfaces", IEEE RADIO 2018 Conference October 15-18, **2018** Mauritius.
4. **I. Peter**, M. Rosso, "Investigations on Tungsten Inert Gas Welded Magnesium Alloy" 7th International Conference on Advanced Materials and Structures - AMS **2018** IOP Publishing, IOP Conf. Series: Materials Science and Engineering 416 (2018) 012030, DOI:10.1088/1757-899X/416/1/012030
5. **I. Peter**, C. Christian, M. Rosso, "Investigation of tungsten inert gas welded EN AW 7075 Al-based alloy" 15th International Conference on Aluminum Alloys, June 12-15, **2016**, Chongqing (*China*).
6. **I. Peter**, B. Aldwell, R. Lupoi, M. Rosso, "Design and optimization of cold spray technique for conformal steel substrate", Proc. of the International Thermal spray Conference & Exhibition, May 10-12, 2016, Shanghai (*China*).
7. **I. Peter**, M. Rosso, "Evaluation of thixoforging process for steering piston production as possible alternative to hot forging" ", Proc. of the International Conference High Tech Die Casting 2016, 22-23 June **2016**, Venice (*Italy*).
8. **I. Peter**, M. Rosso, F. S. Gobber, "Improvement of surface properties of aluminium die casting moulds trough protective coatings", Proc. of the International Conference High Tech Die Casting **2016**, 22-23 June 2016, Venice (*Italy*).
9. V. Loscri, L. Matekovits, **I. Peter**, A.M. Vegni, "Modeling and Experimental Analysis of an In-body Area Nanonetwork", Proc. of 10th EAI International Conference on Body Area Networks (BodyNets 2015), 28-30 September 2015, Sydney, Australia.
10. **I. Peter**, M. Rosso, "Investigation on the properties of multifunctional Ti-based alloy for load bearing implant development" Abstract book of the 6th International Conference on Mechanics of Biomaterials and Tissues (ICMOBT), 6-10 December **2015**, Waikoloa, Hawaii, USA.
11. **I. Peter**, C. Castella, M. Rosso, A. Bendavid, "Development of Protective Coatings for A390 Alloy" CD-rom Proc. of International Thermal spray Conference& Exhibition, Long Beach, CA, 11-14 May **2015**.
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Patents

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Observație 1): În unele publicații și pe diplome Ildiko Peter apare cu numele Ildiko Matekovits, datorită procedurilor impuse la căsătorie și de dobândirea cetățeniei italiene.

