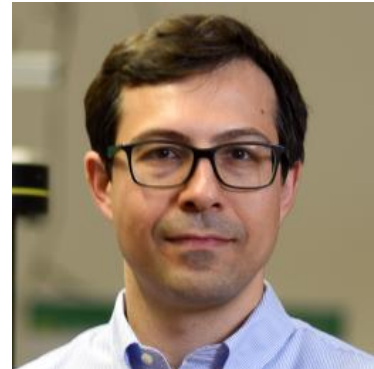


CURRICULUM VITAE

Ing. Pasquale Russo Spena

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Affiliation and current position

Free University of Bozen-Bolzano
Faculty of Science and Technology
Assistant professor of Manufacturing Technologies
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Education

2004: M.Sc., Master of Science in Materials Engineering (focus: Metals Processing) at the Politecnico di Torino, Torino, Italy.

2008: Ph.D, Research Doctorate in Industrial Production Systems Engineering (XXI cycle) at the department of Department of Management and Production Engineering (ex Dept. of Production Systems and Business Economics) at the Politecnico di Torino.

Language skills

Italian (mother tongue)
English (fluent, C1 level, IELTS certification)
German (basic skills, A2 level, ÖSD certification)

Short CV

Ing. Pasquale Russo Spena is Assistant Professor of Manufacturing Technologies and Systems at the Faculty of Science and Technology at the Free University of Bozen/Bolzano.

Ing. Pasquale Russo Spena studied Materials Engineering (focus: Metals Processing) at the Politecnico di Torino and achieved a Ph.D. in Industrial Production Systems Engineering (XXI cycle) at the Politecnico di Torino. In 2009, He started working as Research Assistant at the department of Department of Management and Production Engineering (ex Dept. of Production Systems and Business Economics) at the Politecnico di Torino, where his work was mainly focused in developing models and tools for the management of product information in manufacturing processes.

In 2010, Ing. Pasquale Russo Spena was appointed to the post of Assistant Professor of Manufacturing Technologies and Systems at the Faculty of Science and Technology at the Free University of Bozen/Bolzano.

He is member of the main research area “Industrial Engineering & Automation (IEA)” within the Faculty of Science and Technology, UniBz.

He is member of the Course Council of the bachelor in Industrial and Mechanical Engineering, Faculty of Science and Technology, UniBz.

Responsible of the Erasmus+ exchange for the engineering students of the Faculty of Science and Technology, UniBz.

Member of the Collegium of the PhD programme in “Sustainable Energy and Technologies”, Faculty of Science and Technology, UniBz.

Moreover, he is member in various national and international scientific organizations. Ing. Russo Spena published 50 scientific papers in refereed journals, proceedings and book contributions.

Didactic activity

Ing. Pasquale Russo Spena holds lectures in the field of Manufacturing and Production Engineering for the bachelor course in “Industrial Mechanical Engineering”, and for the master courses in “Industrial Mechanical Engineering” and “Energy Engineering” of the Faculty of Science and Technology, UniBz.

A.A. 2017-2018. Lecturer of “Manufacturing Technology” (B.Sc. in “Industrial and Mechanical Engineering”), Credits (ETCS) 10, 64 lectures hours. Course language: English.

A.A. 2017-2018. Lecturer of “Technologies and Production Processes for Energy Engineering” (M.Sc. in “Energy Engineering”), Credits (ETCS) 6, 40 lectures hours, 16 exercise hours. Course language: English.

A.A. 2016-2017. Lecturer of “Manufacturing Technology” (B.Sc. in “Industrial and Mechanical Engineering”), Credits (ETCS) 10, 64 lectures hours, 34 exercise hours. Course language: English.

A.A. 2016-2017. Lecturer of “Reverse Engineering and Rapid Prototyping” (M.Sc. in “Industrial Mechanical Engineering”), Credits (ETCS) 6, 8 lectures hours, 12 exercise hours. Course language: English.

A.A. 2015-2016. Lecturer of “Manufacturing Technology” (B.Sc. in “Industrial Mechanical Engineering”), Credits (ETCS) 10, 64 lectures hours. Course language: English.

A.A. 2015-2016. Lecturer of “Technologies and Production Processes for Energy Engineering” (M.Sc. in “Energy Engineering”), Credits (ETCS) 6, 40 lectures hours, 16 exercise hours. Course language: English.

A.A. 2014-2015. Lecturer of “Manufacturing Technology” (B.Sc. in “Industrial Mechanical Engineering”), Credits (ETCS) 10, 64 lectures hours, 34 exercise hours. Course language: English.

A.A. 2014-2015. Lecturer of “Technologies and Production Processes for Energy Engineering” (M.Sc. in “Energy Engineering”), Credits (ETCS) 6, 40 lectures hours, 16 exercise hours. Course language: English.

A.A. 2013-2014. Lecturer of “Manufacturing Technology” (B.Sc. in “Industrial Mechanical Engineering”), Credits (ETCS) 10, 64 lectures hours, 34 exercise hours. Course language: English.

A.A. 2013-2014. Lecturer of “Technologies and Production Processes for Energy Engineering” (M.Sc. in “Energy Engineering”), Credits (ETCS) 6, 40 lectures hours, 16 exercise hours. Course language: English.

A.A. 2012-2013. Lecturer of “Manufacturing Technology” (B.Sc. in “Industrial Mechanical Engineering”), Credits (ETCS) 10, 64 lectures hours, 34 exercise hours. Course language: English.

A.A. 2012-2013. Lecturer of “Technologies and Production Processes for Energy Engineering” (M.Sc. in “Energy Engineering”), Credits (CFU) 6, 40 lectures hours, 16 exercise hours. Course language: English.

A.A. 2011-2012. Lecturer of “Pianificazione e Controllo della Produzione” (B.Sc. in “Industrial Mechanical Engineering”), Credits (ETCS) 10, 63 lectures hours, 30 exercise hours. Course language: Italian.

A.A. 2010-2011. Lecturer of “Processi per la Produzione Industriale” (B.Sc. in “Industrial Mechanical Engineering”), Credits (ETCS) 6, 44 lectures hours, 16 exercise hours. Course language: Italian.

Research

The main research activities are in the field of Manufacturing Technology, particularly about the relationships between fabrication, machining and joining processes (e.g., process parameters) with product quality:

Manufacturing and metals characterization

- Conventional machining operations (es. turning, milling);
- Sheet forming;
- Foundry processes;
- Mechanical characterization of metals (tensile properties, hardness, formability, ecc...);
- Microstructural characterization of metals (Optical and SEM analysis, EDS, ecc...).

Joining techniques for metal alloys

- Assessment of weldability of new and innovative steel sheet grades for the automotive industry;
- Tailor welded blanks for the automotive industry;
- Dissimilar welding of metal alloys;
- Resistance spot welding;

Product quality assessment

- Optimization of process and/or machining parameters for the fabrication of metals components for engineering applications;
- Geometrical and tolerance assessment of metals components for engineering applications;

Research Projects

Since 2017 Principal Investigator of the research project “Additive manufacturing for advanced functional design”. Funding body: Free University of Bozen-Bolzano. Grant: TN2092.

Since 2016 Principal Investigator of the research project “Additive Manufacturing FDM: Dimensional Accuracy and Product Acceptability”. Funding body: Free University of Bozen-Bolzano. Grant: TN2078.

Since 2015 Principal Investigator of the research project “Tailor welded blanks of aluminum alloys and steels for the fabrication of automotive lightweight components”. Funding body: Free University of Bozen-Bolzano. Grant: TN2062.

2013-2016 Principal Investigator of the research project “Field study to determine requirements for flexible and agile manufacturing and assembly systems for SMEs”. Funding body: Free University of Bozen-Bolzano. Grant: TN2003.

2013-2016 Principal Investigator of the research project “Arc and laser welding of innovative steels for automotive sheet components”. Funding body: Free University of Bozen-Bolzano. Grant: TN2001.

2010-2013 Principal Investigator of the research project “Effect of process parameters on solidification of large mottled cast iron components”. Funding body: Free University of Bozen-Bolzano. Grant: TN5029.

Memberships

Member of The Minerals, Metals & Materials Society (TMS), USA.

Member of the “Materials Characterization Committee” of the TMS Annual Meeting and Exhibition, USA.

Member of the Associazione Italiana di Tecnologia Meccanica (AITEM), Italy.

Member of the American Welding Society (AWS), USA.

Editorial and reviewer activity

Member of the reviewers’ board of the following referred international Journals (alphabetic order):

Advanced Engineering Materials

Applied Sciences

Engineering Science and Technology

Indian Journal of Engineering & Materials Sciences

International Journal of Advanced Manufacturing Technology

International Journal of Physical Sciences

International Journal of Productivity and Quality Management

Journal of Chemical Engineering and Materials Science

Journal of Manufacturing Processes

Journal of Materials Engineering and Performance

Journal of Materials Design and Applications

Materials

Materials and Design

Materials Characterization
Materials Science and Engineering A
Metals
Optics and Laser Technology
Periodica Polytechnica Mechanical Engineering
Recent Patents on Mechanical Engineering
Steel Research International
Thin-Walled Structures

List of publications (chronological order)

1. **Russo Spena P** (2017). CO₂ laser cutting of hot stamping boron steel sheets. METALS, vol. 7, 456, ISSN: 2075-4701, doi: 10.3390/met7110456
2. Sangermano M., Periolatto M., Signore V., **Russo Spena P** (2017). Improvement of the water-vapor barrier properties of an uv-cured epoxy coating containing graphite oxide nanoplatelets. PROGRESS IN ORGANIC COATINGS, vol. 103, p. 152-155, ISSN: 0300-9440, doi: 10.1016/j.porgcoat.2016.10.032
3. **Russo Spena P**, De Maddis M, Lombardi F (2017). Evaluation of Hot Tearing in Large Mottled Iron Rolls by Microstructural and FEM Casting Analyses. STEEL RESEARCH INTERNATIONAL, vol. 88, p. 1-13, ISSN: 1611-3683, doi: 10.1002/srin.201600391
4. M. Periolatto, E. Di Francia, M. Sangermano, S. Grassini, **Russo Spena P** (2017). Advanced Epoxy-Based Anticorrosion Coatings Containing Graphite Oxide. In: (a cura di): Lucas F. M. da Silva. MATERIALS DESIGN AND APPLICATIONS. ADVANCED STRUCTURED MATERIALS, vol. 65, p. 135-143, Cham:Springer International Publishing AG, ISBN: 978-3-319-50783-5, ISSN: 1869-8433, doi: 10.1007/978-3-319-50784-2_11
5. Kalácska E, Májlínger K, Fábíán ER, **Russo Spena P** (2017). MIG-welding of dissimilar advanced high strength steel sheets. In: Szabo P.J.,Berecz T.,Orbulov I.N.,Majlínger K.,Csore A.. Materials Science, Testing and Informatics VIII. MATERIAL SCIENCE FORUM, vol. 885, p. 80-85, Trans Tech Publications LTD, ISBN: 978-303835763-6, ISSN: 1662-9752, Balatonalmádi; Hungary, 10.10.2015 - 13.10.2015, doi: 10.4028/www.scientific.net/MSF.885.80
6. **Russo Spena P**, De Maddis M., Lombardi F., Rossini, M. (2016). Dissimilar resistance spot welding of Q&P and TWIP steel sheets. MATERIALS AND MANUFACTURING PROCESSES, vol. 31, p. 291-299, ISSN: 1042-6914, doi: 10.1080/10426914.2015.1048476
7. Májlínger K, Kalácska E, **Russo Spena P** (2016). Gas metal arc welding of dissimilar AHSS sheets. MATERIALS & DESIGN, vol. 109, p. 615-621, ISSN: 0264-1275, doi: 10.1016/j.matdes.2016.07.084
8. Rossini M, Ciarapica FE, Matt DT, **Russo Spena P** (2016). A Preliminary Study on the Changes in the Italian Automotive Supply Chain for the Introduction of Electric Vehicles. JOURNAL OF INDUSTRIAL ENGINEERING AND MANAGEMENT, vol. 9, p. 450-486, ISSN: 2013-0953, doi: 10.3926/jiem.1504
9. **Russo Spena P**, De Maddis M., D'Antonio G., Lombardi F. (2016). Weldability and Monitoring of Resistance Spot Welding of Q&P and TRIP Steels. METALS, vol. 6, p. 1-15, ISSN: 2075-4701, doi: 10.3390/met6110270

10. **Russo Spena P**, Cortese L., De Maddis M., Lombardi F. (2016). Effects of Process Parameters on Spot Welding of TRIP and Quenching and Partitioning Steels. STEEL RESEARCH INTERNATIONAL, ISSN: 1611-3683, doi: 10.1002/srin.201600007
11. Ciarapica F, Rossini M, **Russo Spena P**, Matt DT (2016). Factors and barriers affecting the purchase of electric vehicles in the Italian market. INTERNATIONAL JOURNAL OF PRODUCTIVITY AND QUALITY MANAGEMENT, vol. 18, p. 210-237, ISSN: 1746-6474, doi: 10.1504/IJPQM.2016.076708
12. Periolatto M., Sangermano M., **Russo Spena P** (2016). Photocured epoxy/graphene nanocomposites with enhanced water vapor barrier properties. In: (a cura di): D'Amore A., Grassia L., Acierno D., AIP Conference Proceedings. AIP CONFERENCE PROCEEDINGS, vol. 1736, 4949619, American Institute of Physics Inc., ISBN: 978-073541390-0, ISSN: 0094-243X, Ischia, Naples; Italy, 19 June 2016 through 23 June 2016, doi: 10.1063/1.4949619
13. **Russo Spena P**, Holzner P, Rauch E, Vidoni R, Matt DT (2016). Requirements for the Design of flexible and changeable manufacturing and Assembly Systems: a SME-survey. In: Research and Innovation in Manufacturing: Key Enabling Technologies for the Factories of the Future - Proceedings of the 48th CIRP Conference on Manufacturing Systems. PROCEA CIRP, vol. 41, p. 207-212, Elsevier, ISSN: 2212-8271, Ischia, Naples, 24.6.2015 - 26.6.2015, doi: 10.1016/j.procir.2016.01.018
14. Campanella D., **Russo Spena P**, Buffa G., Fratini L. (2016). Dissimilar Al/steel friction stir welding lap joints for automotive applications. In: (a cura di): Cueto E., Chinesta F., Abisset-Chavanne E., AIP Conference Proceedings. AIP CONFERENCE PROCEEDINGS, vol. 1769, 100005, American Institute of Physics Inc., ISBN: 978-073541427-3, ISSN: 0094-243X, Nantes, 27/04/2016, doi: 10.1063/1.4963499
15. M. Luccarelli, D.T. Matt, **Russo Spena P** (2015). Modular Architectures for Future Alternative Vehicles. INTERNATIONAL JOURNAL OF VEHICLE DESIGN, vol. 67, p. 368-387, ISSN: 0143-3369, doi: 10.1504/IJVD.2015.070412
16. **Russo Spena P**, P Matteis, G Scavino (2015). Dissimilar Metal Active Gas Welding of TWIP and DP Steel Sheets. STEEL RESEARCH INTERNATIONAL, vol. 86, p. 495-501, ISSN: 1611-3683, doi: 10.1002/srin.201400154
17. Matt DT, Rauch E, Dallasega P, Vidoni R, **Russo Spena P** (2015). Synchronisierung von ETO-Fertigung und Baustellenmontage (Synchronisation of ETO-manufacturing and on-site installation). ZWF, vol. 01-02, p. 9-13, ISSN: 0947-0085, doi: 10.3139/104.111276
18. **Russo Spena P**, De Maddis M, Lombardi F (2015). Cut quality assessment of CO2 laser cutting of twinning-induced plasticity steel sheets. PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS. PART B, JOURNAL OF ENGINEERING MANUFACTURE, vol. 229, p. 3-19, ISSN: 0954-4054, doi: 10.1177/0954405414525382
19. **Russo Spena P**, De Maddis M., Lombardi F., Rossini M. (2015). Investigation on resistance spot welding of TWIP steel sheets. STEEL RESEARCH INTERNATIONAL, vol. 86, p. 1480-1489, ISSN: 1611-3683, doi: 10.1002/srin.201400336
20. M. Rossini, **Russo Spena P**, L. Cortese, P. Matteis, D. Firrao (2015). Investigation on dissimilar laser welding of advanced high strength steel sheets for the automotive industry. MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol. 628, p. 288-296, ISSN: 0921-5093, doi: 10.1016/j.msea.2015.01.037

21. **Russo Spena P**, Rossini M., Cortese L., Matteis P., Scavino G., Firrao D. (2015). Laser welding between TWIP steels and automotive high-strength steels. In: (a cura di): John Carpenter, Chengguang Bai, J. Pablo Escobedo-Diaz, Jiann-Yang Hwang, Shadia Ikhmayies, Bowen Li, Jian Li, Sergio Neves Monteiro, Zhiwei Peng, Mingming Zhang, Characterization of Minerals, Metals, and Materials 2015. p. 13-20, ISBN: 978-331948191-3, doi: 10.1007/978-3-319-48191-3
22. Broggiato GB, Cortese L, Nalli F, **Russo Spena P** (2015). Full Field Strain Measurement of Dissimilar Laser Welded Joints . In: XXIII Convegno Nazionale IGF. PROCEDIA ENGINEERING, vol. 109, p. 356-363, ISSN: 1877-7058, Favignana, TP, 22-24/06/2015, doi:10.1016/j.proeng.2015.06.243
23. **Russo Spena P**, De Maddis M, Lombardi F (2015). Mechanical Strength and Fracture of Resistance Spot Welded Advanced High Strength Steels. In: XXIII Italian Group of Fracture Meeting, IGFXXIII. PROCEDIA ENGINEERING, vol. 109, p. 450-456, ISSN: 1877-7058, Favignana, TP, 22-24/06/2015, doi: 10.1016/j.proeng.2015.06.262
24. Holzner P, Rauch E, **Russo Spena P**, Matt D (2015). Systematic design of SME manufacturing and assembly systems based on Axiomatic Design. In: 9th International Conference on Axiomatic Design (ICAD 2015). PROCEDIA CIRP, vol. 34, p. 81-86, Elsevier, ISSN: 2212-8271, Florence, 16.9.2015 - 18.9.2015, doi: 10.1016/j.procir.2015.07.01025
25. **Russo Spena P**, Rossini M, Cortese L, Matteis P, Scavino G, Firrao D (2015). Laser Welding between Twip Steels and Automotive High-Strength Steels . In: (a cura di): John S. Carpenter, Chengguang Bai, J. TMS Annual Meeting & Exhibition, March 15-19, 2015, Walt Disney World, Orlando, Florida, USA. p. 11-20, HOBOKEN:Wiley, ISBN: 978-1-119-08246-0, Orlando, United States, 18-19 Marzo 2015, doi: 10.1002/9781119093404.ch2
26. Rossini M, Matt DT, **Russo Spena P**, Luccarelli M, Ciarapica FE (2014). Electric vehicles market penetration forecasts and scenarios: A review and outlook . INTERNATIONAL JOURNAL OF OPERATIONS AND QUANTITATIVE MANAGEMENT, vol. 20, p. 153-192, ISSN: 1082-1910
27. **Russo Spena P**, D'Aiuto F, Matteis P, Scavino G (2014). Dissimilar arc welding of advanced high-strength car-body steel sheets. JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol. 23, p. 3949-3956, ISSN: 1059-9495, doi: 10.1007/s11665-014-1209-z
28. Luccarelli M, Matt D T, **Russo Spena P** (2014). Impact of Electromobility on Automotive Architectures. In: 2013 World Electric Vehicle Symposium and Exhibition, EVS 27. Piscataway, NJ:Institute of Electrical and Electronics Engineers Inc., ISBN: 978-1-4799-3832-2, Barcelona, 17.11.2013 - 20.11.2013, doi: 10.1109/EVS.2013.6914777
29. **Russo Spena P**, D'Aiuto F, Matteis P, Scavino G (2014). Arc welding of advanced high strength steels for car-body components. In: (a cura di): Carpenter JS;Bai C;Hwang J Y;Ikhmayies S;Li B;Neves Monteiro S;Peng Z;Zhang M, Characterization of minerals, metals, and materials. p. 277-284, Hoboken, NJ, USA:John Wiley & Sons, San Diego, CA (USA), 17th-20th February 2014, doi: 10.1002/9781118888056.ch33
30. Luccarelli M, Lienkamp M, Matt DT, **Russo Spena P** (2014). Automotive design quantification: Parameters defining exterior proportions according to car Segment. In: SAE 2014 world congress : April 8 - 10, 2014, Detroit, Michigan, USA ; [papers]. SAE

TECHNICAL PAPER, vol. 01, p. 1-9, WARRENDALE, PA:SAE INTERNATIONAL, ISSN: 0148-7191, Detroit, 8.4.2014 - 10.4.2014, doi: 10.4271/2014-01-0357

31. Luccarelli M, Matt DT, **Russo Spena P** (2013). Impact of electromobility on automotive architectures. *WORLD ELECTRIC VEHICLE JOURNAL*, vol. 6, p. 1-8, ISSN: 2032-6653
32. Russo Spena P, Firrao D (2013). Thermomechanical warm forging of Ti–V, Ti–Nb, and Ti–B microalloyed medium carbon steels. *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING*, vol. 560, p. 208-215, ISSN: 0921-5093, doi: 10.1016/j.msea.2012.09.058
33. Firrao, D., Matteis, P., **Russo Spena P**, Gerosa, R. (2013). Influence of the microstructure on fatigue and fracture toughness properties of large heat-treated mold steels. *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING*, vol. 559, p. 371-383, ISSN: 0921-5093, doi: <http://dx.doi.org/10.1016/j.msea.2012.08.113>
34. F.E.Ciarapica, D.T. Matt, M. Luccarelli, M. Rossini, **Russo Spena P** (2013). Factors affecting future scenarios for alternative vehicles market. *ADVANCED MATERIALS RESEARCH*, vol. 608-609, p. 1607-1612, ISSN: 1022-6680, doi: 10.4028/www.scientific.net/AMR.608-609.1607
35. Ciarapica FE, Matt DT, Rossini M, **Russo Spena P** (2013). Quality, environmental and economic factors influencing electric vehicles penetration in the Italian market. In: (a cura di): AIDI, Proceedings of the Summer School Francesco Turco. p. 358-363, Senigallia, Italy:AIDI Italian Association of Industrial Operation, Senigallia (Italy), 11.9.2013 - 13.9.2013
36. **Russo Spena P**, De Maddis M., Lombardi F., D’Aiuto F. (2013). Resistance Spot Welding of Advanced High Strength TWIP Steels. In: 3rd International Conference on Applied Mechanics, Materials and Manufacturing, ICAMMM 2013. *APPLIED MECHANICS AND MATERIALS*, vol. 423 - 426, p. 876-880, Trans Tech Publications, Switzerland, ISBN: 9783037858882, ISSN: 1660-9336, doi: 10.4028/www.scientific.net/AMM.423-426
37. **Russo Spena P**, De Maddis M, Lombardi F (2012). Influence of microstructure on crack susceptibility of large chilled iron mill rolls. In: (a cura di): American Society of Mechanical Engineers , Proceed [...] Manufacturing: Parts A, B, and C. p. 761-772, New York:ASME – American Society of Mechanical Engineers, ISBN: 978-0-7918-4519-6, Houston, Texas, USA, November 9–15, 2012, doi: 10.1115/IMECE2012-89436
38. Donato F, Matteis P, **Russo Spena P**, Mortarino GMM (2010). Fatigue crack growth in inhomogeneous steel components. *INTERNATIONAL JOURNAL OF FATIGUE*, vol. 32, p. 864-869, ISSN: 0142-1123, doi:10.1016/j.ijfatigue.2009.10.004
39. Matteis P, **Russo Spena P**, Pozzi C, Baser T, Baricco M., Battezzati L, Firrao D, Castellero A (2010). Fracture behavior in Cu_{46.5}Zr_{46.5}Al₇ and Cu_{46.5}Zr_{41.5}Al₇Y₅ bulk metallic glasses.. *METALLURGICAL AND MATERIALS TRANSACTIONS. A, PHYSICAL METALLURGY AND MATERIALS SCIENCE*, vol. 41, p. 1767-1774, ISSN: 1073-5623, doi: 10.1007/s11661-010-0266-7
40. Scavino G., D’Aiuto F., Matteis P., **Russo Spena P**, Firrao D. (2010). Plastic localization phenomena in a Mn-alloyed austenitic steel. *METALLURGICAL AND*

MATERIALS TRANSACTIONS. A, PHYSICAL METALLURGY AND MATERIALS SCIENCE, vol. 41A, p. 1493-1501, ISSN: 1073-5623, doi: 10.1007/s11661-010-0191-9

41. Firrao D, Matteis P, Mortarino GMM, **Russo Spena P**, Ienco MG, Pellati G, Pinasco MR., Gerosa R, Silva G, Rivolta B, Tata E, Montanari R. (2009). Effect of the heat treatment on the mechanical properties of a precipitation hardening steel for large plastic molds. LA METALLURGIA ITALIANA, p. 33-42, ISSN: 0026-0843
42. Firrao D, Matteis P, **Russo Spena P** (2009). Operational safety assessment of 1940s cast steel pulleys. In: Materials Science and Technology 2009 Conference Proceedings . p. 541-549, QUINCY (FL):The Printing House, ISBN: 9781615030064, Pittsburgh, 25/10/2009 - 29/10/2009
43. Firrao D, Matteis P, Mortarino Gmm, **Russo Spena P**, Scavino G, D'Aiuto F (2009). Room temperature plastic flow localization in a Mn-alloyed austenitic steel. In: (a cura di): Cabibbo M; Spigarelli S, RECENT DEVELOPMENTS IN THE PROCESSING AND APPLICATIONS OF STRUCTURAL METALS AND ALLOYS. MATERIALS SCIENCE FORUM, vol. 604-605, p. 139-146, Stafa-Zurich:Trans Tech Publications, ISSN: 0255-5476, Como, ITALY, JUN 22-25, 2008, doi: 10.4028/www.scientific.net/MSF.604-605.139
44. G Scavino, F D'aiuto, P Matteis, **Russo Spena P**, D Firrao (2009). Plastic localization phenomena in a Mn-alloyed austenitic steel. In: Proceedings of sessions and symposia sponsored by the Extraction & Processing Division (EPD), The Minerals, Metals & Materials Society (TMS) (USA). p. 111-118, WARRENDALE, PA:The Minerals, Metals & Materials Society (TMS), ISBN: 9780873397445, San Francisco, CA, USA, 15/2/2009-19/2/2009
45. Firrao D, Matteis P, **Russo Spena P**, Mortarino GMM, Silva G, Rivolta B, Gerosa R, Pinasco MR, Ienco MG, Fabbreschi M (2009). Fatigue and fracture toughness properties of large-bloom mixed-microstructure heat-treated steels. In: (a cura di): 12th International Conference on Fracture, 12th International Conference on Fracture 2009, ICF-12; Ottawa, ON, Canada; 12 - 17 July 2009, vol. 7. p. 5215-5225, Ottawa:12th International Conference on Fracture, ISBN: 9781617382277, Ottawa, 12.7.2009 - 17.7.2009
46. Firrao D, Matteis P, Mortarino GMM, **Russo Spena P**, Silva G, Rivolta B, Gerosa R, Ghidini A (2008). Fatigue behavior of homogeneous-microstructure and mixed-microstructure steels. In: (a cura di): Pokluda J;Lukas P;Sander P;Dlouhy I, 17th European Conference on Fracture 2008: Multilevel Approach to Fracture of Materials, Components and Structures. vol. 3, p. 2364-2370, ISBN: 9788021436923, Brno, Czech Republic, 2 - 5 September 2008
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Bolzano, 06.12.2017

Signature

A handwritten signature in black ink, appearing to read 'Russo Spena P', written in a cursive style.