Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	Luca Landi
Address	178/10, Viale Giotto, 52100, Arezzo, Italy
Telephone	*office +39-075-5853726*
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E-mail	l. *luca.landi@unipg.it*
Nationality	italian
Date of birth	23/05/1969
Gender	Male

Occupational field

Associate Professor, Machine Design
Department of Engineering, University of Perugia

Work experience

Dates	From 03/2020
Occupation or position held	Director of level I master degree on Industrial Safety Engineering and Risk Analysis, Department of Engineering, University of Perugia.
Main activities and responsibilities	Director an professor of the Master
Name and address of employer	Università di Perugia, Dipartimento di Ingegneria, Facoltà di Ingegneria, Via Duranti, 67, 06125 Perugia, Italia
Type of business or sector	Post lauream education degree

Dates	From 6/03/2020
Occupation or position held	President of Technical Committee UNI/CT 024 “Machine Tools”, delibera Commissione Centrale Tecnica UNI N.613 -19-3-2020.
Main activities and responsibilities	Coordination of Working Groups of CT024, Standardization management in the machine tool sector, Participation in the UNI Central Technical Commission
Name and address of employer	UNI, Ente Italiano di Normazione, Via Sannio n.2, 20137, Milano, Italia
Type of business or sector	Standardization

Dates	From 1/12/2017, until now
Occupation or position held	Associate Professor, Full time, Università degli Studi di Perugia, Scientific Sector: Progettazione e Costruzione di Macchine (ING-IND/14- Machine Design)
Main activities and responsibilities	Research on Machine design topics, Machine Design, teaching at the University of Perugia
Name and address of employer	Università di Perugia, Dipartimento di Ingegneria, Facoltà di Ingegneria, Via Duranti, 67, 06125 Perugia, Italia
Type of business or sector	University professor, Mechanical Engineering, Technical and Scientific Research

Dates	From 6/07/2017 until now
Occupation or position held	Elected Probiviro Tecnico UCIMU Sistemi per Produrre, for the biennium 2017 – 2019, (Italian Association of Machine Tools builder, technical staff), re-elected for 2019-2021, re-elected for 2021-2023.
Main activities and responsibilities	technical arbitration function
Name and address of employer	UCIMU, Viale Fulvio Testi,128, Cinisello Balsamo (MI)
Type of business or sector	Italian Association of Machine Tools Builder

Dates	from 28/12/2015, until now
Occupation or position held	Member of the general Technical Commission Machine Tools of UNI, UNI CT024
Main activities and responsibilities	Standardization, Machine Tools
Name and address of employer	UNI, Italian National Standardization body, via Sannio 2 (MI)
Type of business or sector	UNI, Standardization

Dates	From 11/3/2015 until now
Occupation or position held	Italian Expert member for the technical committee of ISO/TC39/SC10/WG12 – "Environmental evaluation of machine tools", and also member of Italian mirror working group 2,commission UNI CT024
Main activities and responsibilities	Research on Machine design and machine safety topics and standards
Name and address of employer	ISO Standardization body, and UNI, Italian National Standardization body Sannio 2 (MI)
Type of business or sector	ISO, UNI, Standardization

Dates	From 7/2013 until now
Occupation or position held	Member of STANIMUC consiglio di Presidenza (STANdard per l'Industria Manifatturiera Utilizzatori e Costruttori), Italian association working on Standardization for Machine Tools.
Main activities and responsibilities	Research on Machine design and machine safety topics and standards
Name and address of employer	STANIMUC, viale Fulvio Testi,128, Cinisello Balsamo (MI)
Type of business or sector	Italian Association of Machine Tools Builder

Dates	From 12/2011 until now
Occupation or position held	Member of “Sicurezza delle macchine utensili per asportazione” of UNI Commissione Macchine Utensili, CT024 working group 3, (safety of machine tools of Italian standardization association).
Main activities and responsibilities	Research on Machine design and machine safety topics and standards
Name and address of employer	UNI, Italian National Standardization body, via Sannio 2, Milan, Italy
Type of business or sector	UNI, Standardization

Dates	From 27/12/2011 until now
Occupation or position held	Italian expert of ISO/TC39/SC10/WG3 – “Turning Machines” and ISO/TC39/SC10/WG4 – “Machining centres”
Main activities and responsibilities	Research on Machine design and machine safety topics and standards
Name and address of employer	ISO Standardization body, and UNI, Italian National Standardization body Sannio 2 (MI)
Type of business or sector	ISO, UNI, Standardization

Dates	From 1/9/2001 until 11/2017
Occupation or position held	Full time Researcher of Machine Design
Main activities and responsibilities	Research on Machine design topics, Machine Design courses teaching at the University of Perugia
Name and address of employer	Department of Engineering, University of Perugia, Via Duranti, 67, 06125, Perugia, Italy
Type of business or sector	Mechanical Engineering, Technical and Scientific Research

Dates	From 1/7/2000 to 1/8/2001
Occupation or position held	Research Grant
Main activities and responsibilities	“Development of innovative CAE design methods and virtual testing environments”
Name and address of employer	University of Florence, Dipartimento di Meccanica e Tecnologie Industriali of Engineering Faculty, Via di Santa Marta,2 Florence, Italy
Type of business or sector	Mechanical Engineering, Technical and Scientific Research

Dates	From 2000 to 2011
Occupation or position held	Collaborations with some law firms and civil courts
Main activities and responsibilities	Expert for mechanical components failures and workers safety problems in civil actions.
Name and address of employer	Various law firms in Arezzo and Perugia, civil court of Arezzo and Perugia
Type of business or sector	Mechanical components and work safety

Dates	From 9/1997 to 12/1999
Occupation or position held	External collaboration with an associate engineering company
Main activities and responsibilities	Road and Work accidents, civil and penal actions, court of Arezzo

Name and address of employer	“Studio Associato di Ingegneria Carbè”, Via Francesco Petrarca 4/2, Arezzo
Type of business or sector	Mechanical and civil engineering, road accident reconstruction

Education and training

Dates	From 10/1996 to 2/2000
Title of qualification awarded	PhD degree in Machine Design
Principal subjects/occupational skills covered	CAE design methods and virtual testing environments of vehicles and industrial machines
Name and type of organisation providing education and training	University of Florence
Level in national or international classification	PhD degree

Dates	from 10/1996, to 12/2018
Title of qualification awarded	Professional Engineer register
Principal subjects/occupational skills covered	Authorization to sign professional projects as an engineer
Name and type of organisation providing education and training	Registration to the Order of Professional Engineer of Provincia di Arezzo (Italian association of professional engineers), subscription number 828, date16/04/1997
Level in national or international classification	Professional qualifying exam for engineers, mechanical, civil and electronic

Dates	From 11/1988 to 7/1996
Title of qualification awarded	Degree in Mechanical Engineering
Principal subjects/occupational skills covered	Mechanical engineering
Name and type of organisation providing education and training	University of Florence, Faculty of Engineering, Italy
Level in national or international classification	Full “laurea” degree, final dissertation vote 110/110

Dates	From 11/1983 to 7/1988
Title of qualification awarded	Scientific high school degree
Principal subjects/occupational skills covered	Major in scientific subjects
Name and type of organisation providing education and training	Liceo Scientifico “F. Redi”, Arezzo

Level in national or international classification	Final grade 50/60

Personal skills and competences

Mother tongue(s) Italian

Other language(s) English, Spanish

Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
English	C1	Fluent	C2	Excellent	C1	Fluent	C1	Good	C1	Good
Spanish	B1	Intermediate	B2	Good	A2	Sufficient	A2	Sufficient		None

Social skills and competences

Team work: I've been working for 15 years in a Research Team comprising more than 10 people.
In the last 5 years I've been the scientific coordinator of some of the researches (see annexes for the publication related to the research area)

Organisational skills and competences

I've worked with young boys and girls from 1990 to 2001 in AGESCI Association as trainer (Associazione Guide e Scout Cattolici Italiani), acquiring the World "Wood Badge" in 1996, certifying the completion of the unit leader training requirements. From 1996 to 1999 elected to the Arezzo organizing committee of the AGESCI association (more than 1000 people at that time in the Arezzo zone sections).
Research teamwork skills, in the last 5 years I 've worked as scientific coordinator of research teams composed up to five different university and SME obtaining private and public Italian grants.

Technical skills and competences

More than 40 speeches in English during international congresses, co chairman of a technical session (Nonlinear Dynamics and Control: Symposium on Vehicle Systems and Tire Dynamics: Formulations and Applications) on IDETC/CIE 2005, ASME congress September 24-28, 2005, Long Beach, California, USA, see publication annex.
From 2018, co chair and organizer of session "Risk Analysis and Safety in Standardization" of European Safety and Reliability annual Conference.

Computer skills and competences

Excellent knowledge of operating systems and environments: Windows (from version 95), Microsoft Office package and Open Office from SUN.
Excellent knowledge of technical-engineering software as: Matlab (comprising some of its toolboxes), Python, Autocad, Inventor, Catia from version 4, Solid Edge, Ansys (from version 5.1) and other engineering related software.

Artistic skills and competences

Acrylic paintings, guitar level base

Other skills and competences

Historical battles researches and readings.
Audio/Video systems and components for multichannel and 3D shows. 3d printing

Driving licence

Italian driving licence A (motorbike, only national) and B (car, international)

Additional information

Other Personal Interest
Soccer, tennis and mountain bike at basic level

Data

Perugia, 20/10/2020

Firma

(Ing. Luca Landi)

Annex A
Publications

Author of more than 80 national and international publications in the field of machine design and drawing. For the Italian language article some explanation words on the article topics are added.

1. M. Carfagni, L.Landi and M. Pierini, *"Methods for shrinking finite element models of carbodies in white"*, Procedings of the 15th International Modal Analysis Conference,february 3-6 1997, Orlando (FL).
2. M. Carfagni, L.Landi, M. Pierini, M.Poggi, *"Studio di procedure per la simulazione della visibilità posteriore di un autoveicolo"*,ADM – II Seminario italo - spagnolo luglio 1997, Vico Equense (SA) – (on rear vivibility of vehicles)
3. M. Carfagni, P.Citti, L. Landi, *"Procedura di progettazione di uno sportello carburante con CAD parametrico associativo"*, ADM – II Seminario italo - spagnolo luglio 1997, Vico Equense (SA). (on parametric design of vehicle components)
4. M. Carfagni, L. Landi, G. Nerli, *"Studio di un nuovo gruppo vergolino per corda in acciaio*", XXVIII congresso AIAS 8-11 settembre 1999, Vicenza (on machine for production of tires).
5. R. Capitani, M. Delogu, F. Gherardi, L. Landi, *"Verifica strutturale mediante metodologie F.E.M. del telaio di un nuovo carrello ferroviario"*, XXVII congresso AIAS 8 – 11 settembre 1999, Vicenza.
6. M. Carfagni, L. Landi, *"Development of Skin Product with flexible Cad systems"*, ADM International conference on "Design tools and methods in industrial Engineeering" december 1999, Palermo. (CAD fully integrated algorithm for the in plane development of 3D leather bags).
7. R. Capitani, M. Delogu, L. Landi, F. Gherardi, "Modellazione e verifica strutturale del telaio di un nuovo carrello motore ferroviario attraverso l'applicazione di metodologie F.E.M.", 26° Conferenza degli utenti MacNeal-Schwendler Company Italia. (on FEM validation of a innovative vagon car body)
8. M. Carfagni, L. Landi, "*A pratical CAD – CAE application for the automated design and testing of vehicle rearview mirrors*",9th International Conference on Machine Design and Production, September 13-15, 2000 Ankara (Turkey).
9. M. Carfagni, L. Landi, *"A rendering based CAD method for the design and testing of rearview mirrors"*, Seventh IFIP WG 5.2, Workshop on Geometric Modelling: Fundamentals and applications, Centro Santa Elisabetta, Università degli Studi di Parma, October 2-4, 2000.
10. L .Landi , *"Studio ed ottimizzazione di una fresatrice per alta velocità",* Macchine Utensili, Anno XXII, N.4 aprile 2001, pp 104-111 (on structural optimization of a milling machine).
11. M. Carfagni L. Landi, *"Concurrent Engineering for vehicle component validation"*, 8th ISPE Conference– Advances in concurrent engineering, July 28 Aug 1 2001, Anaheim (CA)
12. M. Carfagni, L. Landi, F. Lemmi, "A CAD application for the in plane development of trimmed surface", 12th International Conference on Design Tools and Methods in Industrial Engineering, September 5-7, 2001, Rimini.
13. M. Carfagni, L. Landi, "*Development of a reverse engineering Methodology for motorcycle saddles*", 12th International Conference on Design Tools and Methods in Industrial Engineering, September 5-7, 2001, Rimini.
14. M. Carfagni , F. Chiesi, L. Landi, "*Integration of a procedure for automatic tolerance allocation in a high-level tolerance analysis software*", 12th International Conference on Design Tools and Methods in Industrial Engineering, September 5-7, 2001, Rimini.
15. M. Carfagni L. Landi, "*A CAD methodology for concurrent design of a fuel tank lid*", 27th Design Automation Conference ASME, September 9-12, 2001, Pittsbourgh (Pe).
16. C. Braccesi, L. Landi, *"A new meshless methodology for the solution of curved beams stress-strain state"*, 1st Eurographics Italian chapter, July 11-12, 2002, Milano.
17. C. Braccesi L. Landi, *"Sviluppo e verifica sperimentale di una metodologia per la simulazione della rigidezza di sistemi meccanici costituiti da elementi elastici e corpi volventi"*, XXXI Convegno AIAS, 18 – 21 Settembre 2002, Parma (on a developed software for stiffness estimation of roller bearings components).
18. C. Braccesi L. Landi, *"Sviluppo di una nuova metodologia di risoluzione dello stato di tensione e deformazione di travi curve attraverso tecniche meshless"*, XXXI Convegno AIAS, 18 – 21 Settembre 2002, Parma. (first results on an innovative meshless metodology for strain – stress state solution)
19. C. Braccesi, F. Cianetti e L. Landi, "*Sviluppo di metodologie per l'implementazione di banchi prova virtuali con input accelerometrici*", XXXII Convegno AIAS, 3-6 Settembre 2003, Salerno (on multibody virtual testrig for automotive testing)
20. M. Carfagni, L. Landi, *"A rendering based CAD method for the design and testing of rearview mirrors"*, From Geometric Modelling to shape modelling, Kluwer Academic Publisher, pp 115-126, 2002.
21. C. Braccesi, L. Landi and R. Scaletta, *"New dual meshless flexible bodies methodology for the multibody dynamics: simulation of generalized moving loads"*, Journal of Multy-body Dynamics, Proc. Institution Mechanical Engineers, Vol. 218 Part K, pp. 51-62, 2004.
22. C. Braccesi , F. Cianetti, L. Landi, *"Banco prova virtuale con controllo attivo per la simulazione di autovetture con input accelerometrici"*, 2° Workshop "Problemi di vibrazioni nelle strutture civili e nelle costruzioni meccaniche", Perugia 10 - 11 Giugno 2004.

Annex A
Pubblications

23. C. Braccesi, Luca Landi, *"Metodologia di compensazione degli errori geometrici e di assemblaggio di una elettrotesta industriale tramite approccio cinematico inverso con strumentazione a misura di coordinate"*, Convegno XIV ADM- XXXIII AIAS, 31 Agosto -2 Settembre 2004, Bari (on error compensation of multi axial spindles).
24. C. Braccesi, L. Landi, "Determinazione del limite di tensione di viti a ricircolo di sfere tramite la valutazione d'impatto hertziano elasto-plastico", Convegno XIV ADM- XXXIII AIAS, 31 Agosto -2 Settembre 2004, Bari
25. C. Braccesi , F. Cianetti, L. Landi, *"Time and frequency domain simulation of multibody vehicles using an Active controlled logic virtual test rig"*, 9th International Conference Florence ATA 2005: Vehicle Architectures: Evolution towards improved safety, low-weight, ergonomics and flexibility, Palazzo degli Affari di Firenze, 11-12-13 May 2005
26. C. Braccesi , F. Cianetti, L. Landi, *"A methodology for active control of multibody test-rig for virtual simulation of vehicles through acceleration inputs"*, IDETC/CIE 2005, ASME 2005 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference,September 24-28, 2005, Long Beach, California, USA
27. C. Braccesi , F. Cianetti, L. Landi, *"Random loads fatigue. The use of spectral methods within multibody simulations"*, IDETC/CIE 2005, ASME 2005 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference,September 24-28, 2005, Long Beach, California, USA
28. L. Landi, *"Progettazione dei dispositivi di sicurezza attivi e passivi per i torni alla luce delle recenti norme armonizzate"*, XXXV Convegno Nazionale AIAS – 13-16 Settembre 2006, Università Politecnica delle Marche (AN) (on problems and possible solutions of design with the EN 12415 -12840 standards)
29. C. Braccesi, F. Cianetti e L. Landi*, "Ambiente integrato di progettazione assistita di rollercoaster: individuazione dei parametri cineto-dinamici"*, XXXV Convegno Nazionale AIAS – 13-16 Settembre 2006, Università Politecnica delle Marche (AN) (on cinematic and dynamic roller coaster CAD assisted design).
30. Braccesi C, Landi L., *"A general elastic-plastic approach to impact analysis for stress state limit evaluation in ball screw bearings return system",* International Journal of Impact Engineering, Vol 34/7 pp 1272-1285, 2007.
31. Braccesi C, Landi L., *"Metodologia per lo sviluppo rapido di tracciati tridimensionali di roller-coaster a partire da geometrie proiettive"*. Congresso Internazionale Congiunto XVI ADM – XIX INGEGRAF. ADM 2007 (on new track design of roller coaster from 2D to 3D assisted CAD sketch).
32. Landi L., *"Metodologia per il calcolo della capacità di un processo per processi-prodotti non gaussiani"*, XXXVI Convegno Nazionale AIAS, 4-8 Settembre 2007 Università degli Studi di Napoli Federico II – Seconda Università degli Studi di Napoli (process capability calculation of non-Gaussian processes)
33. C. Braccesi, L. Landi, *"Progettazione concorrente di macchine utensili per PMI con sistemi integrati di progettazione"*. XXXVII Convegno Nazionale AIAS - Università di Roma "la Sapienza". 10-13 settembre 2008 (machine tools design with CAE methods).
34. L. Landi, *"Riprogettazione di cambio meccanico per tornitura per l'abbattimento del rumore"*, XXXVII Convegno Nazionale AIAS - Università di Roma "la Sapienza". 10-13 settembre 2008 (on vibrations of gears for tooling machine).
35. Luca Landi, *"Cambio Meccanico silenzioso"*, Progettare, n 333 inserto speciale trasmissioni meccaniche e motion control, Fiera di Milano Editore, maggio 2009 (abstract, from article 35).
36. C. Braccesi, L. Landi, D. De Stefanis e A. Romano, *"Modellazione Multicorpo per la previsione del comportamento vibrazionale di un cambio automobilistico"*, XXXVIII Convegno Nazionale AIAS – Politecnico di Torino, 9-11 settembre 2009 (vibrational behaviour of an automotive shift control).
37. C. Braccesi, L. Landi, *"An Analytical model for force estimation on arms of concrete mixers",* Proceedings of the ASME 2009 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference, IDETC/CIE 2009, August 30 - September 2, 2009, San Diego, California, USA.
38. C. Braccesi, L. Landi, *"Concurrent Engineering di macchine utensili",* Progettare, n 337 Fiera di Milano Editore, ottobre 2009 (*on concurrent design of tooling machine*).
39. C. Braccesi, L. Landi, *"Lunetta idraulica ottimizzata"*, Progettare, n 338 Fiera di Milano Editore, novembre 2009 (*on optimized hydraulic steady rest for a lathe machine*)
40. G. Castellani, L. Landi, *"Norme, Sicurezza ed Ingranaggi"*, sulla rubrica Gli Appunti di Organi di Trasmissione, curata dall' ing. G. Castellani, Ed. Tecniche nuove, gennaio 2010 (*on "connections" between safety machine directive and real industrial problems for gears driven applications*).
41. C. Braccesi, F. Cianetti, L. Landi, "Intervento di attenuazione dell'instabilità dinamica in una macchina utensile", XXXIX Convegno Nazionale AIAS – Maratea 7-10 settembre 2010, ISBN 8860930749.
42. L. Landi, V. Bello*, "Analisi fmea e analisi dei rischi per la Progettazione di sistemi elettro-meccanici"*, XXXIX Convegno Nazionale AIAS – Maratea 7-10 settembre 2010, , ISBN 8860930749 (*on risk analysis with FMEA technique for a wireless component*)
43. Dario Gozzi, Valentino Bello, Luca Landi, *" Analisi Fmea e analisi dei rischi*", Automazione Industriale, IL Sole 24 ORE Business Media, Aprile 2011 (*abstract, from article 44)*

Annex A
Pubblications

44. C. Braccesi, F. Cianetti, L. Landi, *"Analytical model, Multibody simulation and validation tests for dynamical instability reduction of a grinding machine with dampers"* Proceedings of the ASME 2011 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference IDETC/CIE 2011, August 29-31, 2011, Washington D.C. (USA)
45. L. Landi, *"Sviluppo di un modello dinamico di asse mandrino in macchine utensili rigenerative"*, 40° convegno AIAS, 7-10 settembre 2011, Palermo (dynamical modelling, safety and control of a regenerative spindle axis).
46. S. Baglioni, F. Cianetti , L. Landi, "Influence of the addendum modification on spur gear efficiency", Mechanism and Machine Theory, 49 (2012) pp. 216–233
47. L. Landi, *"Progettazione di ingranaggi in ambiente integrato open source: metodologia generale di progettazione e disegno dell'evolvente"*, 41° convegno AIAS, 5-8 settembre 2012, Vicenza.
48. S. Baglioni, L. Landi, "Progettazione di ingranaggi in ambiente integrato open source: ottimizzazione cinematica e verifiche secondo normativa ISO", 41° convegno AIAS, 5-8 settembre 2012, Vicenza.
49. S. Baglioni, F. Cianetti, L. Landi, "Influence of the addendum modification on spur gear efficiency", Mechanism and Machine Theory, (2012), p. 216-233, ISSN: 0094-114X, doi: 10.1016/j.mechmachtheory.2011.10.007
50. L. Landi, S. Lucertini, "Ottimizzazione di macchine utensili combinate con simulazione di design of experiment", Atti del Ansys User Meeting 2013. Salsomaggiore Terme (2013).
51. L. Landi, T.D. Gatti, Metodologia di progettazione di macchine utensili energeticamente efficienti", (2013), Atti del 42° convegno AIAS - Associazione Italiana Analisi delle Sollecitazioni. Università degli Studi di Salerno.
52. C. Braccesi, F. Cianetti, L. Landi, "Non linear multibody modelling for the vibrational for the vibrational prevision of the shift lever of automotive gearboxes", (2013), ASME IMECE congress, San Diego (USA).
53. S. Baglioni, F. Cianetti, C. Braccesi, L. Landi (2013). Parametric multibody modelling of anthropomorphic robot to predict joint compliance influence on end effector positioning", (2013), ASME IMECE congress, San Diego (USA).
54. A. Bornemann,Y. Froese, L. Landi, H. Mödden, "Probabilities in safety of machinery-Part 1: Risk profiling and farmer matrix", Safety and reliability Methodology and Application CRC Press/Balkema, 1933- 1942, European Safety and Reliability Conference, ESREL 2014, Wroclaw; Poland; 14 -18 September 2014, (2015).
55. A. Bornemann,Y. Froese, L. Landi, H. Mödden, "Probabilities in safety of machinery-Part 2: Theoretical and practical design", Safety and reliability Methodology and application" CRC Press/Balkema, 1943- 1950, European Safety and Reliability Conference, ESREL 2014, Wroclaw; Poland; 14 -18 September 2014, (2015).
56. Landi L., Lucertini S., , "Ottimizzazione di machine utensili combinate con simulazione di design of experiment", Innovabook 2014. p. 101-120, cobalto, ISBN: 9788890559112 (2014). On DOE of Machine tools for design optimization.
57. Desideri U., Landi L., "Energy saving in tooling machines: a new unified approach to reduce energy consumption", Procedings of 10th Conference on Sustainable Development of Energy, Water and Environment Systems. Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Dubrovnik, Croatia, September 27 - October 2, 2015 (2015)
58. Landi L., Cianetti F., Braccesi C., Lucertini S. (2015). Analysis and Optimization of a Spring Based Clamping System", Proceedings of the ASME 2015 International Mechanical Engineering Congress & Exposition. ASME, Houston, Texas, USA, Novembre 2015.
59. Cianetti F., Braccesi C., Landi L., "integrated Roller Coaster Design Environment: Dynamic and Structural Vehicle Analisys, Proceedings of the ASME 2015 International Mechanical Engineering Congress & Exposition. ASME, Houston, Texas, USA, Novembre 2015
60. Landi L., Amici D., "Simulazione di impatto per la progettazione dei ripari metallici di macchine utensili"., Atti del 45° convegno Nazionale AIAS Associazione Italiana Analisi delle Sollecitazioni, 7-10 settembre 2016, Trieste (2016). On impact on safety guards.
61. Landi L., "Sicurezza delle macchine utensili multimodali", U & C. UNIFICAZIONE E CERTIFICAZIONE, vol. 4, p. 25-27, ISSN: 0394-9605, (2016), requested contribution for special issue on safety of machine tools,
62. Landi L., Amici D., "Steel Sheets Impact Simulation For Safety Guards Design: Problems and Perspectives", IMECE2016-65181, Proceedings of the ASME 2016 International Mechanical Engineering Congress and Exposition (IMECE 2016), November 11-17, 2016, Phoenix, Arizona, USA, (2016).
63. Landi L., Amici D , Progettazione virtuale – protezioni di machine utensili, Tecnologie Meccaniche, anno 48, vol. 5, pp. 151-155 (2017), DBI information, ISSN: 0391-1683
64. Landi L., Moedden H., Fabio P., Meister F., Uhlmann E., "Probabilities in safety of machinery - risk reduction through fixed and moveable guards by standardized impact tests, part 1: applications and consideration of random effects." In: Safety and Reliability – Theory and Application: ESREL 2017. Taylor and Francis, CRC Press (2017), ISBN: 9781138629370

65. Landi L., Moedden H., Pera F., Meister F., Uhlmann E., “Probabilities in safety of machinery - risk reduction through fixed and moveable guards by standardized impact tests, part 2: possible improvements with FE impact simulations.” In: Safety and Reliability – Theory and Application: ESREL 2017. Taylor and Francis, CRC Press (2017), ISBN: 9781138629370
66. Landi L., “Impact Tests on Guards and Simulation”, Invited speech in Emo Safety Day conference, Hannover 19-09-2017 (Germany).
67. Landi L., Sorgenti A., Clerini D., “Axiomatic design of an adjustable lifting system for the assembly of booms of telehandlers”, In ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE) - ISBN:9780791858462 vol. 11, DOI:10.1115/IMECE2017-71298
68. Landi L., Amici D., Alunni Boldrini O., Germani E., “Sheets impact simulation for safety guards design: experiments and correlation for FE Explicit models of non-alloy steel”, PROCEDIA STRUCTURAL INTEGRITY, vol. 8 (2018), pp. 8-13 - https://doi.org/10.1016/j.prostr.2017.12.002
69. L. Landi, H. Modden, I. Betti, M. Kohnle, R. Knorpp, A. Bornemann & P. Steger, “Safety of machinery—risk analysis and requirements for safety of gravity loaded axes” In. Safety and Reliability – Safe Societies in a Changing World, Editors Stein Haugen & al,, Proceedings of the ESREL 2018, International European Safety and Reliability Conference, Trondheim, 17-21-june 2018 (Norway), pp1411-1418, CRC Press/Balkema, ISBN: 978-0-8153-8682-7
70. Valigi, M.C., Logozzo, S., Landi, L., Braccesi, C., Galletti, L., Twin-shaft mixers' mechanical behavior numerical simulations of the mix and phases", (2019), Machines, 7 (2), art. no. 39, DOI: 10.3390/machines7020039
71. Landi L., “Progettazione e sicurezza delle macchine utensili con necessità di lavorazioni non standardizzate”., Atti del 48° convegno Nazionale AIAS Associazione Italiana Analisi delle Sollecitazioni, settembre 2019, Assisi (PG). On machine tools safety.
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Annex B

Thesis, Awards and courses on machine design topics

1. Co supervisor of more than 45 mechanical engineering thesis of Engineering Faculty, University of Florence and Perugia, some of them in close collaboration with several Italian tooling and components machine builders regarding international standard, machine directive and machine design topics.
2. UCIMU Association Award 2010-2012, 2013, 2014, 2015 and 2019, 2021 (Italian Association of tooling machines builders) for his support to the knowledge to machine tools, robots and automation
3. Summary of courses held as a teacher or assistant teacher:

Year	Role: assistant teacher, exercitations and seminars
From 1998 to now	*Machine Design* courses of the mechanical engineering laurea degree, University of Florence (1998-2001) University of Perugia (2001 – now, laurea degree)
From 1997 to 1998	*Industrial Drawing* course of the mechanical engineering laurea degree, University of Florence

Year	Role: teacher
From 1999 to 2001	*Principle and Methodologies of Machine Design*, course of the Diploma Universitario in Tecnico Ortopedico (Orthopedic Technician Diploma, 3 year course), University of Florence
From 2002 to 2012	*Quality on machine design and building,* courses of the mechanical engineering, laurea degree, University of Perugia
From 2005 to 2008	*Numerical Methods for Engineering*, courses of the mechanical engineering, laurea degree, University of Perugia

Year	Role: teacher
From 2013 to now	*Design and Safety of industrial systems, master degree in mechanical,* University di Perugia
From 2004 to 2018	*Machine Design II* (advanced) course of the mechanical engineering, *master degree in mechanical* engineering, University of Perugia
From 2018 to now	*Machine Design* course of the mechanical engineering, *laurea degree in mechanical* engineering, University of Perugia

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