

**Emilio Musso**

Dipartimento di Scienze Matematiche  
Politecnico di Torino

**Current Position**

Full Professor, Department of Mathematical Sciences, Politecnico di Torino (Italy)

**Education**

1981 Laurea in Matematica, University of Turin. Title of the thesis : "Operatori di curvatura, congettura di Hopf e punti critici della curvatura sezionale". Dissertation advisors : Prof. F. Fava, Prof. F. Tricerri.

1987 Doctor Philosophiae in Mathematics, Washington University in St. Louis. Title of the thesis : "Pseudoholomorphic curves in the six sphere". Dissertation advisor : Prof. G. R. Jensen.

**Carrear**

1981-1982 Graduate student, "Istituto Nazionale di Alta Matematica F. Severi".

1982-1983 Military Service.

1983-1984 Graduate student, Washington University in St. Louis.

1984-1985 Research grant of CNR ("Consiglio Nazionale delle Ricerche").

1985-1989 Assistant Professor, University of L'Aquila.

1989-1992 Assistant Professor, University of Florence.

1992-1994 Associated Professor, University "La Sapienza" of Rome.

1994-2008 Full Professor, University of L'Aquila.

2008- Full Professor, Politecnico di Torino

**Field of research**

Differential geometry :

- Geometrical variational problems
- Deformation of submanifolds in homogeneous spaces.
- Isothermic and L-isothermic surfaces.
- Exterior differential systems and integrable systems.

**Field of teaching**

Projective, affine and Euclidean geometry.

Linear Algebra

Differential Geometry

## Mathematical Analysis

### Organization of meetings (from 2015)

- "Workshop in memory of S. Console", Turin, February 2015 (with A.Fino, L.Vezzoni, S.Chiossi).
- "Varietà reali e complesse : geometria, topologia e analisi armonica". Pisa, February 2015 (with F. Ricci and F. Bracci).
- Scientific Committee of the "Mathematica User Group Meeting", University of Naples, May 2015.
- "Differential geometry and Topology", special session within the Conference of the Italian Mathematical Society, Siena, September 2015.
- "New perspectives in differential geometry : special metrics and quaternionic geometry", Workshop Indam, Rome, November 2015 (with G. Gentili, A.Fino and A. Swann).
- "Modern problems of dynamical systems and their applications", Tashkent, Uzbekistan, May 1-3 2017.
- Scientific committee of the workshop "Varietà reali e complesse : geometria, topologia e analisi armonica". Pisa, February 2019 (with F. Ricci and F. Bracci).
- Scientific committee of the conference "Geometric Analysis, Submanifolds and Geometry of pde's ". Torino, September 2019 (with C.Arezzo, G.Besson, G.Manno, S.Salamon, C.L.Terng).
- Workshop "Discrete Harmonic Analysis and Differential Geometry days", Politecnico di Torino, September 24th-25, 2020 (Online), with D.Impera, G. Manno, M. Rimoldi, A.Tabacco, M. Vallarino.
- Conference "Real and Complex Manifolds, the mathematical heritage of Edoardo Vesentini", Scuola Normale Superiore di Pisa, Pisa 29/06/2021-2/7/2021 (with F.Ricci, F.Bracci, C.Petronio and G. Gentili)

### Grants and experiences in the coordination of research projects

1996-1997 Coordinator of the research project "Curvatura e Geometria" , University of L'Aquila and University of Leuven (Belgium), grant of the Italian National Science Foundation (CNR).

1998-2002 Coordinator of the project "Sottovarietà e strutture speciali delle varietà reali e complesse", grant of the Italian office for the scientific research (MURST), Universities of L'Aquila, Palermo, Turin and Potenza.

2002-2004 Coordinator of the project "Sottovarietà e strutture speciali delle varietà reali e complesse", grant of the Italian office for the scientific research (MIUR), Universities of L'Aquila, Palermo, Cagliari and Potenza.

2005-2007 Coordinator of the project "Sottovarietà e strutture speciali delle varietà reali e complesse", grant of the Italian office for the scientific research (MIUR), Universities of L'Aquila, Palermo, Pescara, Rome III.

2012-2015 Coordinator of the Turin node of the national project "Geometria delle varietà reali e complesse : geometria, topologia e analisi armonica", grant of the Italian office for the scientific research (MIUR).

2015-2017 Coordinator of the Turin node of the national project "Geometria delle varietà reali e complesse : geometria, topologia e analisi armonica", grant of the Italian office for the scientific research (MIUR).

2015-2018 Person in charge for the Politecnico di Torino in the Erasmus+ project "Establishment of Computing Centers and Curriculum Developments in Mathematical Engineering Master

programs" (consortium with the Universities of Santiago de Compostela (Spain), Primorska (Slovenia), Urgench, TTPU, BETI (Uzbekistan) KUS and IITU (Kazakhstan).  
2018-2023 Coordinator of the Polito node of the MIUR project PRIN 2017 "Real and Complex Manifolds: Topology, Geometry and Holomorphic Dynamics" project 2017JZ2SW5.

### **Membership of editorial boards**

2015-2018 Editorial committee "Rendiconti del Seminario Matematico" dell' Università e del Politecnico di Torino.

2018. - Editor in chief of "Rendiconti del Seminario Matematico" dell' Università e del Politecnico di Torino.

### **University Service**

1991-1992 Member of the Senate of the University of Florence

1996-2007 Member of the Executive Committee of the Departments of Mathematics, University of L'Aquila.

1996-2005 Member of the Library Committee of the Faculty of Science, University of L'Aquila.

1997-2000 Member of the Committee of the Phd program in Mathematics, Universities of Rome II, L'Aquila, Cosenza.

2000-2008 Member of the Committee of the Phd program in Mathematics, University of L'Aquila.

2009-2014 Member of the Committee of the Phd program in Mathematics, Politecnico of Turin.

2014-2017 Member of the Committee of the Phd program in Mathematics, Politecnico and University of Turin.

2010-2018 Person in charge of the didactical activities in Geometry at the Politecnico of Turin.

2009-2020 Member of the committee for the resource planning of the Department of Mathematical Sciences, Politecnico of Turin.

2012-2019 Representative of the Department of Mathematical Sciences in the Open Access committee of the Politecnico of Turin.

2015-2018 Person in charge of the didactical activities of the Department of Mathematical Sciences at the Politecnico of Turin.

### **Memberships to Scientific Organizations**

1985 - Member of the "Unione Matematica Italiana"

1991 - Affiliated researcher with the "Istituto nazionale di Alta Matematica F. Severi", research group GNSAGA

1996 - Member of the "Scuola Matematica Interuniversitaria" (SMI).

2021 - Member of the Board of the Inter-University Consortium CIAFM, "Consorzio Interuniversitario per l'Alta Formazione in Matematica".

### **Research Visits (from 2015)**

2015 Department of Mathematics, College of Charleston, Charleston, South Carolina.

2015 Visiting Professor, TTPU University, Tashkent, Uzbekistan.

2016 Korea Institute for Advanced Study

2016 Visiting Professor, TTPU University, Tashkent, Uzbekistan.  
 2017 Visiting Professor, TTPU University, Tashkent, Uzbekistan.  
 2018 Visiting Professor, TTPU University, Tashkent, Uzbekistan.  
 2019 Department of Mathematics, College of Charleston, Charleston, South Carolina.  
 2019 Visiting Professor, TTPU University, Tashkent, Uzbekistan.

### **Speaking Invitations (from 2015)**

- "Conformal Geometry of a Time-Like curve immersed in the (2+1)-dimensional Einstein Universe", Colloquium of the Math. Department, College of Charleston, South Carolina, February 2015.
- "Build the space and measure the time", Math+ Seminars, Math. Department, College of Charleston, South Carolina, February 2015.
- "Complex conformal geometry and hypersurfaces in complex projective space", Geometry Seminar, Korea Institute for Advanced Study, June 2016.
- "Conformal geometry of time-like curves in the (1+2)-dimensional Einstein universe", Workshop on Geometry of Lagrangian Grassmannians and nonlinear PDE's, IMPAN, Warsaw, 5-9 Sept. 2016.
- "Minding Surfaces and pseudo-spherical twisted columns", Workshop on Riemannian and complex geometry, Parma, 19-20 Sept. 2016.
- "Pseudo-spherical surfaces and topologically embedded pseudo-spherical cylinders", conference "Modern problems of dynamical systems and their applications", Tashkent, Uzbekistan, May 1-3 2017
- "Conformal differential invariants of a time-like curve with applications to a conformally invariant variational problem", conference "Foundations of computational mathematics", Barcelona, Spain, July 13-16, 2017.
- "Variazioni sulle superfici di Scherk", Wolfram Technology tour Italia, Torino, Italy, September 21, 2017.
- "The cr-strain functional for Legendrian curves in  $S^3$ ", Differential Geometry Workshop 2018, 12-14 September, Cagliari.
- "Cauchy-Riemann Geometry of transversal knots in the three-sphere", Colloquium of the Math. Department, College of Charleston, South Carolina, May 2019.
- "Cauchy-Riemann Geometry of transversal knots in the three-sphere", International conference "Geometry, Differential equations and Analysis", Kharkiv, Ukraine 17-21 June 2019.
- "Cauchy-Riemann Geometry of transversal knots in the three-sphere", Workshop "Discrete and Differential Geometry", Lecce, 20 September 2019.
- "Cauchy-Riemann Geometry of transversal knots in the three-sphere", conference "Actual Problems and Applications of Analysis", October 2019, Karshi State University (Uzbekistan).
- "Cauchy-Riemann Geometry of Legendrian curves in the three-sphere", Geometry and Topology seminar, Department of Mathematical Sciences, University of Durham, UK, April 2020.
- "The cr-strain functional for Legendrian curves in the three-sphere", Geometry seminar, Department of Mathematics, University of Jena, March 2021.
- "Cr-geometry of Legendrian curves in the three-sphere", mini-symposium "Differential Geometry : old and new" (MS-ID 15), within the 8th European Congress of Mathematics, 20-26 June 2021, Portoroz-Slovenia (on line)

## Publications

### Papers published in Scientific Journals

1. E.Musso, "La curvatura di Ricci dei gruppi nilpotenti di ordine due", Atti Acc. Sci. di Torino 117 (1983).
2. E.Musso, F.Tricerri, "Riemannian metrics on tangent bundles", Ann. Mat. Pura Appl., 115 (1988), 1-20.
3. E.Musso, "On the twistor space of the six-sphere", Bull. Austr. Math. Soc., 39 (1989), 119-127.
4. E.Musso, "Submersioni localmente conformemente Kaehleriane", Boll. UMI 7 (1989), 171-176.
5. E.Musso, "Twistori di contatto e geometria conforme", Riv. Mat. Univ. Parma 8 (1989), 227-245.
6. E.Musso, "Willmore Surfaces in four sphere", Ann. of Global Anal. And Geom., 8 (1990), 21-41.
7. E.Musso, "Homogeneous pseudo-Hermitian Riemannian manifolds of Einstein type", Am. Jour. of Math., 113 (1990), 219-241.
8. E.Musso, "On the transformation group of a quaternionic manifold", Boll. UMI 6-B (1992), 79-103.
9. E.Musso, "Le condizioni d'integrabilità delle forme fondamentali di Fubini", Rend. Sem. Mat. Univ. Politecn. Torino 48 (1992)
10. E.Musso, "Su una proprietà delle curve stazionarie rispetto a funzionali dipendenti dalle curvature", Rendiconti di Mat., 12 (1992), 805-815.
11. E.Musso, "The local embedding problem for optical structures", Journal of Geom. and Phys., 19 (1992), 1-18.
12. G.Jensen, E.Musso, "Rigidity of Hypersurfaces", Ann. Sci. Ecole Norm. Sup., 27 (1994), 227-248.
13. E.Musso, "The conformal arclength functional", Math. Nachrichten 165 (1994), 107-131.
14. E.Musso, L.Nicolodi, "L-minimal canal surfaces", Rend. di Matematica 15 (1995), 421-445.
15. E. Musso, "Deformazione di Superfici nello spazio di Moebius", Rend. Ist. Mat. Univ. Trieste (1995), 25-45.
16. E.Musso, L.Nicolodi, "A variational problem for Surfaces in Laguerre geometry", Trans. AMS 348 (1996), 4321-4337.
17. E.Musso, L.Nicolodi, "Isothermic Surfaces in Laguerre Geometry", Boll. UMI II-B (1997), 125-144.
18. E. Musso, "Isothermic Surfaces in Euclidean Space", Publ. Depto. Geometria y Topologia Univ. Santiago de Compostela 89 (1998), 219-235.
19. E. Musso, L. Nicolodi, "L-minimal surfaces with plane lines of curvature", Abh. Math. Sem. Univ. Hamburg 69 (1999), 123-138.
20. E. Musso, L. Nicolodi, "Willmore canal surfaces in Euclidean space", Rend. Istit. Mat. Univ. Trieste. 31 (1999), 1-26.
21. E. Musso, L. Nicolodi, "The Bianchi-Darboux transform of L-isothermic surfaces", Int. Jour. of Math., Vol. 11, 7 (2000), 911-924.
22. E. Musso, "Le deformazioni spettrali associate al catenoide", Rend. Sem. Matematico di Messina, Serie II, Vol.7 (2000), 45-61.

23. E. Musso, "The Delaunay problem for curves with constant torsion", *Rendiconti Circ. Mat. Palermo, Serie II, Tomo L* (2001), 285-298.
24. U. Hettrich-Jeromin, E. Musso, L. Nicolodi, "Moebius geometry of surfaces of constant mean curvature 1 in Hyperbolic space", *Ann. Global Anal. and Geom.* Vol. 19, 2 (2001), 185-205.
25. E. Musso, "Liouville integrability of a variational problem for Legendrian curves in the three-dimensional sphere", *Quaderni di Matematica, Ser. Ed. by Dip. Matem. II Università di Napoli (Caserta)*, 9 (2002).
26. J. Grant, E. Musso, "Coisotropic variational problems", *Journal of Geometry and Physics* 50 (2004), 303-338.
27. E. Musso, L. Nicolodi, "Reduction for the projective arclength functional", *Forum Mathematicum*, Vol. 17 n.4, pag. 569-590 (2005).
28. E. Musso, L. Nicolodi, "On the Cauchy problem for the integrable system of Lie -minimal surfaces", *Journal of Mathematical Physics* 46 (2005), 11, 3509-3523
29. E. Musso, L. Nicolodi, "Deformation and Applicability of Surfaces in Lie Sphere Geometry", *Tohoku Math.J.* Vol.58, n.2 (2006), 161-187.
30. E. Musso, L. Nicolodi, "Tableaux over Lie algebras, integrable systems, and classical surface theory", *Comm. Analysis and Geom.* Vol 14 (2006), 475-496.
31. E. Musso, L. Nicolodi, "A Class of Overdetermined Systems defined by tableaux : involutiveness and Cauchy problem", e-print math.DG/0602676 *Physica D : Nonlinear Phenomena* 229 (2007), n.1, 35-42.
32. E. Musso, L. Nicolodi, "Closed trajectories of a particle model on null curves in anti-de Sitter 3-space", *Classical and Quantum Gravity*, 24 (2007), 5401-5411.
33. E. Musso, L. Nicolodi, "Reduction for constrained variational problems on 3D null curves", *SIAM Journal on Control and Optimization* 47 (2008), no.3, 1399-1414.
34. E. Musso, L. Nicolodi, "Symplectic Applicability of Lagrangian Surfaces", *Symmetry, Integrability and Geometry : methods and applications*, Vol.5, (2009) ISSN 1815-0659.
35. E. Musso, L. Nicolodi, "Invariant Signatures of Closed Planat Curves", *Journal of Mathematical Imaging and Vision*, vol. 43 (1), (2009) ISSN: 0924-9907
36. E. Musso, L. Nicolodi, "The spinor representation of constant mean curvature one surfaces in the Hyperbolic space". *Note di Matematica*, vol.28, p.317-339, (2009) ISSN 1123-2536.
37. E. Musso, L. Nicolodi, "Conformal deformation of space-like surfaces in Minkowski space", *Houston Journal of Mathematics*, vol. 35(4), p. 1029-1049, (2009) ISSN 0362-1588.
38. E. Musso, "Variational problems for plane curves in centro affine geometry", *Journal of Physics A, Mathematical and Theoretical*, Vol.43, p. 1-24, (2010) ISSN: 1751-8113
39. E. Musso, "An experimental study of Goldstein-Petrich curves". *Rendiconti del Seminario Matematico*, Vol.67, p. 1-20, (2010) ISSN 0373-1243
40. E. Musso, L. Nicolodi, "Hamiltonian flows on null curves", *Non-Linearity*, pp. 13, 2010, Vol. 23, 2117-2129 (2010), ISSN: 0951-7715, DOI: [10.1088/0951-7715/23/9/005](https://doi.org/10.1088/0951-7715/23/9/005)
41. E. Musso, "Motions of curves in the projective plane inducing the Kaup-Kupershmidt hierarchy", *Integrability and Geometry : methods and applications*, vol. 8 (2012), 030, 20 pages, Special Issue "Symmetries of Differential Equations : Frames, Invariants and Applications".
42. E. Musso, L. Nicolodi, "On Small-type formulae for curves in  $PSL(2,C)$ ". *Atti Accad.Naz. Lincei CL. Sci.Fis.Mat.Natur. Rend. Lincei* (9) Mat.Appl., 24 (2013), p.311-328, doi:10.4171/RLM/656.
43. E. Hubert, E. Musso, "Lagrangian curves in a 4-dimensional affine symplectic space". *Acta Applicandae Mathematica*. vol. 129, n.1, pp. 1-28, (2014) ISSN 1572-9036.

44. G. Jensen, E. Musso, L. Nicolodi, "The geometric Cauchy problem for the membrane shape equation", *Journal of Physics A, Mathematical and Theoretical*, Vol.47, p. 1-22, (2014) ISSN: 1751-8113, doi:10.1088/1751-8113/47/49/495201/RLM/656. [arXiv:1406.5981](https://arxiv.org/abs/1406.5981).
45. E. Musso, L. Nicolodi, "Marginally outer trapped surfaces in de Sitter space by Low-dimensional Geometries", *Journal of Geometry and Physics*, Vol.96, p. 168-186 (2015).
46. E. Musso, L. Nicolodi, "Holomorphic differentials and Laguerre deformation of surfaces", *Mathematische Zeitschrift* 284 (2016), no. 3-4, 1089-1110, [arXiv:1401.1776](https://arxiv.org/abs/1401.1776) [math.DG].
47. J.M. Manzano, E. Musso, L. Nicolodi, "Bjorling-type problems for elastic surfaces", *Rendiconti del Seminario Matematico Univ. Pol. Torino*, Vol.74 (2016), 213-233.
48. A. Dzhililov, E. Musso, L. Nicolodi, "Conformal geometry of time-like curves in the (1+2)-dimensional Einstein universe", *Nonlinear Analysis Series A : Theory, Methods and Applications*, 143 (2016) 224-255, [arXiv:1603.01035](https://arxiv.org/abs/1603.01035) [math.DG].
49. E. Musso, L. Nicolodi, "Quantization of the conformal arc-length functional on space curves", *Communications in Analysis and Geometry*, 25, n.1 (2017), 209-242, [arXiv:1501.04101](https://arxiv.org/abs/1501.04101) [math.DG].
50. G. Jensen, E. Musso, L. Nicolodi, "Compact Surfaces with no Bonnet Mate", *Journal of Geom. Anal.*, 2017, pp.1-9, ISSN 1050-6926 , DOI 10.1007/s12220-017-9924-y, [arXiv:1703.09629](https://arxiv.org/abs/1703.09629) [math.DG].
51. N. Siemsek, A. Dzhililov, E. Musso, "Some remarks on the geometry of circle maps with a break point", *Filomat* Vol.32 (16), 2018, pp.5549-5563. DOI:10.229/FIL1816549S
52. D. Impera, E. Musso, "Space-like Willmore Immersions", *Riv. Mat. Univ. Parma*, Vol.9 (2018), pp.1-29
53. E. Musso, L. Nicolodi, "Topologically embedded helicoidal pseudospherical cylinders", *Nonlinearity*, Vol. 32 (1), 2019, pp. 22-45. DOI : 10.1.10888/1361-6544/aae720
54. O. Eshobilov, E. Musso, L. Nicolodi, "Critical Robertson-Walker universes", *Differential Geometry and its Applications*, vol. 66 (2019), pp. 23-41. DOI:10.1016/j.difgeo.2019.05.008
55. O. Eshobilov, E. Musso, L. Nicolodi, " On the restricted conformal group of the (1+n)-Einstein static universe" , *Journal of Geometry and Physics*, Vol. 146 (2019), pp.1-18, DOI : 10.1016/j.geomphys.2019.103517, [arXiv:1909.08563v1](https://arxiv.org/abs/1909.08563v1) [math.DG].
56. E. Musso, F. Salis, "The Cauchy-Riemann strain functional for Legendrian curves in the 3-sphere", *Annali di Matematica Pura ed Applicata*, 199, pages 2395–2434(2020) (published on line march 2020), DOI : 10.1007/s10231-020-00974-7. Available on [arXiv:2003.01713](https://arxiv.org/abs/2003.01713)
57. E. Musso, L. Nicolodi, F. Salis, "On The Cauchy-Riemann Geometry of Transversal Curves in the 3-Sphere", *Journal of mathematical Physics, Analysis, Geometry*, Vol. 16, n.3, pp. 1-52, DOI : 10.15407/mag. Available on [ArXiv:2004.11350](https://arxiv.org/abs/2004.11350)
58. O. Eshobilov, E. Musso, L. Nicolodi, "The geometry of conformal timelike geodesics in the Einstein universe", *Journal of Mathematical Analysis and Applications*, vol. 495 (2021), no. 2, 124730, 32 pp. Scopus : 2-s2.0-85094956923, Wos :000601091000027, <https://doi.org/10.1016/j.jmaa.2020.124730>.
59. F. Burstall, E. Musso, M. Pember, "Quartic differentials and Harmonic maps in conformal surface geometry", to appear in *Annali della Scuola Normale Superiore* DOI: 10.2422/2036-2145.202007\_112. Available on [arXiv:2007.03992](https://arxiv.org/abs/2007.03992)

1. E.Musso, F.Tricerri, "Groups with polynomial growth and differential geometry", in *Generators and Relations in Groups and Geometries*, A. Barlotti et al. Eds., Kluwer Academic Publ., (1991), 219-241.
2. E.Musso, L.Nicolodi, "On the equation defining isothermic surfaces in Laguerre geometry", *Proceedings Conference New Developments in Differential Geometry*, Budapest 1996. J. Szente ed. Kluwer Academic Press. Dordrecht, the Netherlands, 1998, 285-294.
3. E. Musso, D. Carfi', "T-transforms of Willmore isothermic surfaces", *proceedings of the international conference in honor of P. Calapso*, Messina (1998), *Rendiconti del seminario matematico di Messina*, 2000, 69-86.
4. E. Musso, L.Nicolodi "Solitons and Special Isothermic Surfaces", in *Global Differential Geometry: The Mathematical Legacy of Alfred Gray* (Bilbao, 2000), 310-314, *Contemp. Math.* 241, AMS, Providence, RI 2001.
5. E.Musso, L.Nicolodi "Darboux transforms of Dupin Surfaces", *proceedings of the international conference "PDE's, Submanifolds and Affine Differential Geometry"*, Warsaw, September 2000, *Banach center publications*, Institute of Mathematics, Polish Academy of Sciences, Warszawa, Vol.57 (2002).
6. E.Musso, "Density flow of a vector field along the Roman surface of Steiner", *proceedings of the international conference "Generative Art 2005"*, Milan December 2005, edited by Celestino Soddu, AleaDesign srl, Milan 2005.
7. E.Musso, L.Nicolodi, "Differential Systems associated with tableaux over Lie Algebras", "Symmetries and overdetermined systems of partial differential equations", 497-514, *The IMA Volumes in Mathematics and its Applications*, M. Eastwood and W.Miller eds., 144, Springer, New York, 2007, (e-print DG/0705.2715).
8. E.Musso. "Linear Control Systems and Invariant Variational Problems", in *Bollettino di Matematica pura e applicata* Vol. III. p.71-87, Aracne ed. Roma, 2010, Cod. ISBN 9788854831988, *Proceedings Convegno Internazionale di Geometria in onore della Prof.ssa Renata Grimaldi*, Palermo Giugno 2010.
9. E. Musso. "Congruence Curves of the Goldstein-Petrich Flows", *Proceedings "Harmonic Maps fest"*, Cagliari, Eds. E. Loubreau and S. Montaldo, *Contemporary Mathematics*, 542, AMS 2011, p. 99-114.
10. E. Musso. "Conformal arc-length functional". *Proceedings International Conference on Mathematical Modeling in Physical Sciences*, 3-7 September 2012 Budapest. *Open Acces Journal of Physics-IOP Conference Series* 410 (2013) 012031, p. 1-4, [doi:10.1088/1742-6596/410/1/012031](https://doi.org/10.1088/1742-6596/410/1/012031)
11. E.Musso, L.Nicolodi "Surfaces in Laguerre Geometry", *Banach center publications*, Institute of Mathematics, Polish Academy of Sciences, Warszawa, Vol. 117 (2019), pp.223-255, DOI: 10.4064/bc117-8

## **Books**

O. Kowalski, E. Musso, D. Perrone eds., "Complex, Contact and Symmetric Manifolds : in Honor of Lieven Vanhecke", *Progress in Mathematics*, Birkhauser, Vol. 234 (2005).

G. R. Jensen, E. Musso, L. Nicolodi, "Surfaces in Classical Geometries: A treatment by Moving Frames", *Universitext*, Springer, New York, 2016.



S. G. Chiossi, A. Fino, F. Podestà, E. Musso, L. Vezzoni eds. “Special Metrics and Group Actions in Geometry”, Springer Indam Series n.23, Springer, 2017.