

**CURRICULUM VITAE**  
**Carla Novelli**

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Posizione attuale: Professore Associato presso l'Università degli Studi di Padova.

Settore Scientifico Disciplinare: MAT/03 Geometria.

Studi:

Laurea in Matematica presso l'Università degli Studi di Genova.

Dottorato di Ricerca in Matematica presso l'Università degli Studi di Trento.

Interessi di ricerca: Geometria delle varietà proiettive complesse,  
con particolare riferimento a varietà di Fano, teoria di Mori.

Pubblicazioni:

1. Knutsen A.L., Novelli C., Sarti A., *On varieties that are uniruled by lines*, Compos. Math. 142 (4) (2006) 889–906.
2. Andreatta M., Novelli C., Occhetta G., *Connections between the geometry of a projective variety and of an ample section*, Math. Nachr. 279 (13–14) (2006) 1387–1395.
3. Novelli C., *Fano manifolds of coindex four as ample sections*, Adv. Geom. 6 (4) (2006) 601–611.
4. Novelli C., Occhetta G., *Ruled Fano fivefolds of index two*, Indiana Univ. Math. J. 56 (1) (2007) 207–241.
5. Andreatta M., Novelli C., *Manifolds polarized by vector bundles*, Ann. Mat. Pura Appl. 186 (2) (2007), 281–288.
6. Lanteri A., Novelli C., *Ample vector bundles with zero loci of small  $\Delta$ -genera*, Adv. Geom. 8 (2) (2008) 227–256.
7. Lanteri A., Novelli C., *Varieties of small degree with respect to codimension and ample vector bundles*, J. Math. Soc. Japan 60 (2) (2008), 341–361.

8. Lanteri A., Novelli C., *Ample vector bundles of small  $\Delta$ -genera*, J. Algebra 323 (3) (2010), 671–697.
9. Novelli C., Occhetta G., *Rational curves and bounds on the Picard number of Fano manifolds*, Geom. Dedicata 147 (2010), 201–217.
10. Novelli C., Occhetta G., *Projective manifolds containing a large linear subspace with nef normal bundle*, Michigan Math. J. 60 (2) (2011), 441–462.
11. Beltrametti M.C., Knutsen A.L., Lanteri A., Novelli C., *Geometry of rays-positive manifolds*, Collect. Math. 63 (3) (2012), 375–391.
12. Novelli C., *On Fano manifolds with an unsplit dominating family of rational curves*, Kodai Math. J. 35 (2012), 425–438.
13. Novelli C., Occhetta G., *Manifolds covered by lines and extremal rays*, Canad. Math. Bull. 55 (4) (2012), 799–814.
14. Novelli C., *Extremal rays of non-integral  $L$ -length*, Osaka Math. J. 50 (2) (2013).
15. Horing A., Novelli C., *Mori contractions of maximal length*, Publ. RIMS Kyoto Univ. 47 (2013), 215–228.
16. Arrondo E., Lanteri A., Novelli C., *A notion of  $\Delta$ -multigenus for certain rank two ample vector bundles*, Kodai Math. J. 36 (2013), 137–153.
17. Beltrametti M.C., Horing A., Novelli C., *Fano varieties with small non-klt locus*, Int. Math. Res. Not. 2015 (2015), 3094–3120.
18. Novelli C., *On Fano manifolds of large pseudoindex*, J. Algebra 449 (2016), 138–162.
19. Novelli C., *Blow-ups and Fano manifolds of large pseudoindex*, Math. Scand. 124 (2019), no. 1, 3–50.
20. Novelli C., Urbinati S., *A note on the birational geometry of tropical line bundles*, arXiv:1504.03827.
21. Novelli C., *Products of Fano manifolds and unsplit dominating families of rational curves*, submitted preprint 2017.
22. Novelli C., *Products of Fano manifolds and unsplit families of rational curves*, submitted preprint 2018.
23. Novelli C., *Blow-ups and dominating unsplit families of rational curves on Fano manifolds*, submitted preprint 2019.

Didattica A.A. 2019/2020:

- Universit di Padova, Corso di Laurea in Ingegneria dell'Energia:  
*Fondamenti di Algebra Lineare e Geometria.*
- Universit di Padova, Corso di Laurea Magistrale in Matematica:  
*Geometria Algebrica 2.*