CURRICULUM VITAE

PERSONAL INFORMATION

Name	**CAUSA ANTONIO**
Address	**Viale Andrea Doria,6 - 95125 Catania - Department of Mathematics and Computer Science**
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E-mail	**causa@dmi.unict.it**
Nationality	**Italian**
Date of Birth	**27th of march 1968**

WORK EXPERIENCE

• July 1997 – <u>present</u>	**Assistant professor in Geometry, Department of Mathematics and Computer Science, University of Catania**
2007 – 2010	**Department board member**
• Name and address of the employer	**University of Catania, Piazza Università 2, Catania**
• Occupation or position held	**Assistant professor**

EDUCATION

1992 - University of Catania, Physics degree, 110/110 cum laude

TEACHING EXPERIENCE

• 2019 – present	**DEPARTMENT OF PHYSICS AND ASTRONOMY** **Bachelor's Degree in Physics - 1st Year – Geometry**
2019 – 2020	**DEPARTMENT OF CHEMICAL SCIENCES** **Bachelor's Degree in Chemistry - 1st Year - Calculus**
2014 – 2018	**DEPARTMENT OF BIOLOGICAL SCIENCES -1st Year - Calculus**
2013 – 2014	**DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCES - 1st Year - Coding theory**
2011 –2012	**DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCES - 1st Year – Geometry**
1997 -- 2011	**Linear Algebra, Geometry, tutoring**

• Principal research interests	**Waring's problem for symmetric tensors: polynomials over real and complex field.** **Variational inequalities: applications to traffic equilibrium.** **Combinatorial commutative algebra.**
Principal publications	1. Causa A., Raciti F. Journal of Optimization Theory and Applications, vol. 145 n. 2, pagg. 235-248 (2010) **"Lipschitz Continuity results for a Class of Variational Inequalities and**

Applications: a Geometric Approach" doi: 10.1007/s10957-009-9622-4

2. Causa A., Re R. Communications in Algebra, volume 36, Issue 3, pagg. 1041-1058, (2008) "Homogeneous nilpotent matrices in two variables" ISSN: 0092-7872, doi: 10.1080/00927870701776839

3. Causa A., Raciti F. Optimization Letters, volume 5, n. 3 pagg. 99-112 (2011) "Some remarks on the Walras equilibrium problem in Lebesgue spaces", ISSN: 1862-4472 doi: 10.1007/s11590-010-0193-y

4. Causa A., Raciti F. COMMUNICATIONS TO SIMAI CONGRESS, vol. 3, p. 229-241, (2009) "On the Modelling of the Time Dependent Walras Equilibrium Problem"ISSN: 1827-9015, doi: 10.1685/csc09229

5. Causa A. , R. Re Annali di Matematica pure ed applicata, vol. 190, pagg. 55-59, (2011) "On the maximum rank of a real binary form" doi: 10.1007/s10231-010-0137-2

6. Arena G., Caruso A., Causa A Le Matematiche Volume 60, pp. 375-383 (2005) "Formula di Taylor nei Gruppi di Carnot ed applicazioni"

7. Arena G., Caruso A., Causa A. Rev. Mat. Iberoamericana Volume 26, Number 1, pp. 239-259 (2010) "Taylor formula on step two Carnot groups"

8. Causa A., Jadamba B., Raciti F. Decis. Econ. Finance Volume 40, pp. 159-175 (2017) "A migration equilibrium model with uncertain data and movement costs"

9. Causa A, Raciti F. J. Optim. Theory Appl. Volume 156, pp. 524–528 (2013) "A purely geometric approach to the problem of computing the projection of a point on a simplex"

10. Causa A. Le Matematiche Volume 53 no. 1, pp. 155–175(1998), "Sulle curve di genere Massimo".