

CURRICULUM VITAE ET STUDIORUM

VINCENZO DE FILIPPIS

1 Personal Informations:

- First name: Vincenzo
- Family name: De Filippis
- Date of birth: 1971, August 13
- Place of birth: Vibo Valentia, Italy
- Nationality: Italian
- Gender: Male
- Current position: Associate professor in Algebra

2 Qualifications:

- 1993, December 12 : M.D. in Mathematics (University of Messina, Italy), Final grade 110/110 cum laude.
- 1999, February 26: Ph.D. in Mathematics (University of Messina, Italy).
- 31/07/2017: National scientific qualification to function as full professor - sector 01/A2 (Geometry and Algebra).

3 Academic positions:

- 2000-2002: Research assistant in "Noncommutative algebra - Derivations in prime rings with polynomial identities", Department of Mathematics and Applications, University of Palermo.
- 2002-2014 : Assistant professor in Geometry, University of Messina.
- 2014- : Associate professor in Algebra, University of Messina.

4 Teaching Activity:

Current Teaching Activity:

- Lecturer of Geometry and Algebra at Department of Engineering, University of Messina (Italy)
- Lecturer of Non Commutative Algebra at MIFT, University of Messina (Italy)

Former Teaching Activity:

- Teaching assistant of Linear Algebra at Department of Computer Science, University of Messina (1997-2001)
- Lecturer of Geometry and Algebra at Department of Engineering, University of Messina (2002-2017)

- Lecturer of Probability and stochastic processes at Department of Engineering, University of Messina (2004-2009)
- Lecturer of Stochastic processes and statistics at Department of Engineering, University of Reggio Calabria (2008-2009)
- Lecturer of Applied Mathematics at Department of Engineering, University of Messina (2009-2010)
- Lecturer of Combinatorics at MIFT, University of Messina (2016)
- Lecturer of Discrete Mathematics at MIFT, University of Messina (2016)
- Lecturer of Non Commutative Algebra at MIFT, University of Messina (2017, 2018, 2019)

5 Reports at conferences and invited lectures:

- Meeting of GNSAGA, Perugia (Italy), November 6-8, 1997: Centralizers of Lie ideals.
- Meeting of the Italian Mathematical Society, Napoli (Italy), September 13-18, 1999: Recent results on prime rings with derivations.
- Conference on Algebras with polynomial identities and combinatorial methods, Bologna (Italy), September 24-26, 2006: Differential identities in prime rings.
- Meeting of the Italian Mathematical Society, Bari (Italy), September 23-29, 2007: Generalized derivations in prime rings.
- Invited speaker at International Conference on Algebra and its applications, Aligarh (India), February 20-22, 2010: On generalized derivations in prime rings.
- Invited lectures at Beijing Institute of Technology, Beijing (China), January 21, 2011: Functional identities on prime and semiprime rings: results and open problems.
- Meeting of the Italian Mathematical Society, Bologna (Italy), September 12-17, 2011: Identities with generalized skew derivations in prime and semiprime rings.
- Invited lectures at Beijing Institute of Technology, Beijing (China), April 24, 2012: Certain subgroups and subring of prime and semiprime rings: results and applications.
- Invited lectures at Beijing Institute of Technology, Beijing (China), March 8, 2013: Commutativity preserving problems on prime and semiprime rings.
- Invited speaker at International Conference on Algebra and its applications, Aligarh (India), December 15-17, 2014: Generalized skew derivations in prime rings.
- Invited Lectures at Beijing Institute of Technology, Beijing (China), February 13-14-15, 2019: "Generalized skew derivations in prime and semiprime rings.
- Invited speaker at "Polynomial Identities in Algebras", Istituto Nazionale di Alta Matematica, Rome (Italy), September 16-20, 2019: "b-Generalized Skew Derivations in prime rings".
- Invited plenary speaker at International Conference on Algebra and Related Topics with Applications, Aligarh (India), December 17-19, 2019: Recent results on functional identities involving generalized skew derivations.

6 On site organizer of the:

- VI Workshop on Combinatorics, Messina (Italy), March 25-27, 2002.
- 17th Annual Conference on Formal Power Series and Algebraic Combinatorics, Taormina (Italy), June 20-25, 2005.
- INDAM DAY 2017, Messina (Italy), June 7, 2017.

7 Member of the scientific committee of the:

- International conference on recent trends in Algebra and Analysis with applications, Aligarh (India), February 12-14, 2014.
- International conference on Algebra and its applications, Aligarh (India), December 15-17, 2014.
- International conference on recent advances in mathematical biology, analysis and applications", Aligarh (India), June 4-6, 2015.

8 Visiting professor at:

- Department of Mathematics, Aligarh Muslim University (Aligarh, India), February 2010.
- Department of Mathematics, EGE University (Izmir, Turkey), September 2010.
- Department of Mathematics, Beijing Institute of Technology (Beijing, China), January 2011.
- Department of Mathematics, Beijing Institute of Technology (Beijing, China), April 2012.
- Department of Mathematics, Beijing Institute of Technology (Beijing, China), February 2013.
- Department of Mathematics, Beijing Institute of Technology (Beijing, China), May 2014.
- Department of Mathematics, Aligarh Muslim University (Aligarh, India), December 2014
- Department of Mathematics, Beijing Institute of Technology (Beijing, China), February 2019.
- Department of Mathematics, Aligarh Muslim University (Aligarh, India), December 2019.

9 Scientific Publications:

- Author of more than 150 research papers.

10 Some recent papers:

1. L. Carini, V. De Filippis, Commutators with power central values on a Lie ideal, *Pacific Journal of Mathematics* 193(2) (2000), 296-278.
2. V. De Filippis, Left annihilators of commutators with derivation on right ideals, *Communications in Algebra* 31(10) (2003), 5003-5010.
3. V. De Filippis, O.M. Di Vincenzo, Posner's second theorem, multilinear polynomials and vanishing derivations, *Journal of Australian Mathematical Society* 76 (2004), 357-368.
4. V. De Filippis, An Engel condition with generalized derivations on multilinear polynomials, *Israel Journal of Mathematics* 162 (2007), 93-108
5. E. Albas, N. Argac, V. De Filippis, Generalized derivations with Engel conditions on one-sided ideals, *Communications in Algebra* 36(6) (2008), 2063-2071.

6. V. De Filippis, O.M. Di Vincenzo, C.Y. Pan, Quadratic central differential identities on a multilinear polynomial, *Communications in Algebra* 36(10) (2008), 3671-3681.
7. V. De Filippis, Generalized derivations with Engel condition on multilinear polynomials, *Israel Journal of Mathematics* 171(1) (2009), 325-348.
8. V. De Filippis, Annihilators of power values of generalized derivations on multilinear polynomials, *Bulletin Australian Math. Soc.* 80 (2009), 217-232.
9. V. De Filippis, Generalized Derivations as Jordan Homomorphisms on Lie Ideals and Right Ideals, *Acta Mathematica Sinica* 25(12) (2009), 1965-1974.
10. V. De Filippis, Product of generalized derivations on polynomials in prime rings, *Collectanea Mathematica* 61(3) (2010), 303-322.
11. B. Dhara, V. De Filippis, R.K. Sharma, Generalized derivations and left multipliers on Lie ideals, *Aequationes Mathematicae* 81 (2011), 251-261.
12. A. Ali, S. Ali, V. De Filippis, Nilpotent and invertible values in semiprime rings with Generalized Derivations, *Aequationes Mathematicae* 82 (2011), 123-134.
13. V. De Filippis, O.M. Di Vincenzo, Vanishing derivations and centralizers of generalized derivations on multilinear polynomials, *Communications in Algebra* 40(6) (2012), 1918-1932.
14. V. De Filippis, F. Wei, Posner's second theorem for skew derivations on multilinear polynomials on left ideals, *Houston Journal of Mathematics* 38(2) (2012), 373-395.
15. E. Albas, N. Argac, V. De Filippis, C. Demir, Generalized skew derivations with invertible values on multilinear polynomials, *Communications in Algebra* 40(11) (2012), 4042-4059.
16. V. De Filippis, G. Scudo, Strong commutativity and Engel condition preserving maps in prime and semiprime rings, *Linear and Multilinear Algebra* 61(7) (2013), 917-938.
17. V. De Filippis, A. Fosner, F. Wei, Identities with Generalized Skew Derivations on Lie Ideals, *Algebras and Representations Theory* 16(4) (2103), 1017-1038.
18. A. Ali, V. De Filippis, F. Shujat, On One Sided Ideals of a Semiprime Ring with Generalized Derivations, *Aequationes Mathematicae* 85(3) (2013), 529-537.
19. V. De Filippis, G. Scudo, Hypercommuting values in associative rings with unity, *Journal of the Australian Math. Society* 94(2) (2013), 181-188.
20. A. Ali, S. Ali, V. De Filippis, Generalized skew derivations with nilpotent values in prime rings, *Communications in Algebra* 42(4) (2014), 1606-1618.
21. V. De Filippis, O.M. Di Vincenzo, Hypercentralizing generalized skew derivations on left ideals in prime rings, *Monatshefte fur Mathematik* 173(3) (2014), 315-341.
22. A. Ali, V. De Filippis, F. Shujat, Commuting Values of Generalized Derivations on Multilinear Polynomials, *Communications in Algebra* 42(9) (2014), 3699-3707.
23. V. De Filippis, Generalized skew derivations as Jordan homomorphisms on multilinear polynomials, *Journal of Korean Math. Soc.* 52/1 (2015), 191-207.
24. V. De Filippis, O.M. Di Vincenzo, Generalized Skew Derivations on Semiprime Rings, *Linear Multilinear Algebra* 63/5 (2015), 927-939.
25. V. De Filippis, S. Huang, Power-commuting skew derivations on Lie ideals, *Monatshefte fur Mathematik* 177/3 (2015), 363-372.

26. V. De Filippis, L. Oukhtite, Generalized Jordan semiderivations in prime rings, *Canadian Math. Bulletin* 58 (2015), 263-270.
27. V. De Filippis, Annihilators and power values of generalized skew derivations on Lie ideals, *Canadian Math. Bulletin* 59/2 (2016), 258-270.
28. A. Ali, V. De Filippis and S. Khan, Power Values of Generalized derivations with annihilator conditions in prime rings, *Communications in Algebra* 44/7 (2016), 2887-2897.
29. L. Carini, V. De Filippis, G. Scudo, Identities with product of generalized skew derivations on multilinear polynomials, *Communications Algebra* 44/7 (2016), 3122-3138.
30. V. De Filippis, Engel-type conditions involving two generalized skew derivations in prime rings, *Communications in Algebra* 44/7 (2016), 3139-3152.
31. V. De Filippis, G. Scudo, Subsets with generalized derivations having nilpotent values on Lie ideals, *Communications in Algebra* 44/9 (2016), 4073-4087.
32. V. De Filippis, Rather large subsets and vanishing generalized derivations on multilinear polynomials, *Communications in Algebra* 45/6 (2017), 2377-2393.
33. L. Carini, V. De Filippis, F. Wei, Annihilating Co-commutators with Generalized Skew Derivations on Multilinear Polynomials, *Communications Algebra* 45/12 (2017), 5384-5406.
34. N. Baydar Yarbil, V. De Filippis, A quadratic differential identity with skew derivations, *Communications Algebra* 46/1 (2018), 205-216.
35. L. Carini, V. De Filippis, G. Scudo, Vanishing and cocentralizing generalized derivations on Lie ideals, *Communications Algebra* 46/10 (2018), 4292-4316.
36. E. Albas, N. Argac, V. De Filippis and C. Demir, An Engel condition with generalized skew derivations on multilinear polynomials, *Linear Multilinear Algebra* 66/10 (2018), 1925-1938.
37. V. De Filippis, F. Wei, An Engel condition with X-Generalized Skew Derivations on Lie ideals, *Communications Algebra* 46(12) (2018), 5433-5446.
38. R. K. Sharma, B. Dhara, V. De Filippis, C. Garg, A result concerning nilpotent values with generalized skew derivations on Lie ideals, *Communications Algebra* 46/12 (2018), 5330-5341.
39. V. De Filippis, F. Wei, b-generalized skew derivations on Lie ideals, *Mediterr. Journal of Math.* 15/2 (2018), article number 65 (<https://doi.org/10.1007/s00009-018-1103-2>).
40. M. Ashraf, V. De Filippis, S.A. Pary, S.K. Tiwari, Derivations vanishing on commutator identity involving generalized derivation on multilinear polynomials in prime rings, *Communications Algebra* 47/2 (2019), 800-813.
41. V. De Filippis, B. Dhara, Generalized Skew-Derivations and Generalization of Homomorphism Maps in Prime Rings, *Comm. Algebra* 47/8 (2019), 3154-3169.
42. V. De Filippis, F. Shujat, S. Khan, Generalized derivations with nilpotent, power-central and invertible values in prime and semiprime rings, *Communications in Algebra* 47/8 (2019), 3025-3039.
43. B. Dhara, V. De Filippis, Engel conditions of generalized derivations on left ideals and Lie ideals in prime rings, *Comm. Algebra* 48/1 (2020), 154-167.
44. C. Demir, N. Argac, V. De Filippis, A quadratic generalized differential identity on Lie ideals in prime rings, *Linear Multilinear Algebra* 68(9) (2020), 1835-1847.

45. N. Argac, V. De Filippis, Power-central values and Engel conditions in prime rings with generalized skew derivations, *Mediterranean Journal of Math.* 18/3 (2021), article number 82.
46. V. De Filippis, G. Scudo, F. Wei, b-Generalized Skew Derivations on multilinear polynomials in prime rings, *Proceedings of INdAM Workshop "Polynomial Identities in Algebras"* Roma 16-20 settembre 2019, Springer Indam Series 44 (2021), 109-138.

11 Other assignments:

- Editor of 'Algebra and its applications', Springer Proceedings in Mathematics and Statistics 174 (2016)
- Editor of 'Algebra and Its applications', De Gruyter Proceedings in Mathematics (2018).
- Member of the Editorial Board of Aligarh Bulletin of Mathematics
- Member of the Editorial Board of Journal of Algebra and Geometry with Applications
- Reviewer for Mathematical Reviews (American Mathematical Society).
- Reviewer for zbMATH Open (European Mathematical Society)