Gianluca Vinti

Curriculum Vitae

Personal Information

Gianluca Vinti, born in Rome, on January 24, 1964. Address: Via del Coppetta 6, CAP 06124, Perugia, Italy. Nationality: Italian.

Academic career and positions:

1986	Degree in Mathematics
1986	Winner of two grants at the CNR (National Counsil of Research), and another at the INdAM (Istituto Nazionale di Alta Matematica Francesco Severi)
1991	Researcher at the Faculty of Engineering of the University of Perugia (Italy)
1992	Associate professor at the Faculty of Engineering of the University of Palermo (Italy)
1993-2001	Associate professor at the Faculty of Engineering of the University of Perugia (Italy)
2001 -	Full professor of Mathematical Analysis at the Faculty of Engineering of the University of Perugia (Italy)
2003 - 2005	Coordinator of the "Biennium" at the Faculty of Engineering of the University of Perugia (Italy)
2005 - 2013	Director of the Department of Mathematics and Computer Science of the University of Perugia (Italy)
2006 -	Member of the Scientific Committee of the Unione Matematica Italiana (Italian Mathematical Union) for the periods 2006-2008, 2009-2011, 2012-2014, and 2015-2017
2010 -	President of the "Permanent Conference of the Directors and the Secretaries of the Departments and Centers with budgetary autonomy" (Conferenza Permanente dei Direttori e dei Segretari dei Dipartimenti e dei Centri con autonomia di bilancio) of the University of Perugia
2013 -	Designated by the Board of the INdAM as member of the "Scientific Council of the GNAMPA" (National Group for the Mathematical Analysis, the Probability and their Applications)
2013 -	Referent for the Mathematics of the Educational Centre of the "Accademia Nazionale dei Lincei" at Perugia
2013 -	Member of the Academic Board of the Ph.D. in Mathematics, Computer Science, Statistics organized in consortium (C.I.A.F.M.) among the University of Perugia (Italy), University of Florence (Italy) and the INdAM

From January, 2014 -	Director of the "Department of Mathematics and Computer Science" of the University of Perugia, according to the Italian law 240
From January, 2014 -	Member of the Academic Senate of the University of Perugia
From March, 2014 -	Member of the "Research Commission" and the "Resources Commission" of the Senate of the University of Perugia

Other positions:

2001 – 2013	Delegate for "orientation" of the Faculty of Engineering of the University of Perugia and for the "Erasmus project",
2003–2013	Member of the Academic Board of the Ph.D. in "Mathematics and Computer Science for Processing and the Representation of the Information and the Knowledge "
2008–2013	Member of the "Election Board" of the Faculty of Engineering of the University of Perugia

Teaching activities relating to this academic year - 2016-2017:

He currently teaches at the University of Perugia, in the following courses: Mathematical Analysis for the degree in Civil Engineering (9 CFU), Mathematical Analysis for degree course in Computer Science and Electronic Engineering (8 CFU), Approximation Theory (9 CFU) and Applied Image and Signal Processing (6 CFU) for the Master degree courses in Mathematics and in Computer Sciences .

Editorial activities:

Member of the Editorial Board of the following international scientific journals: Sampling Theory in Signal and Image Processing (STSIP), Journal of Function Spaces and Applications, Open Mathematics, and many others. Reviewer for the American Mathematical Society, and of many scientific journals with an international Editorial Board, such as, Journal of Mathematical Analysis and Applications, Real Analysis Exchange, Commentationes Mathematicae, Ricerche di Matematica, Rendiconti del Circolo Matematico di Palermo, Bollettino U.M.I., and others.

Other organizational activities and associations:

He has organized several conferences and workshop and has been the President of the Organizing Committee of the Joint International Meeting Italian Union of Mathematics - Deutsche Mathematiker Vereinigung (UMI-DMV) that was held in Perugia, from 18 to 22 June, 2007. Founding member of the "Inter-Study Center Lamberto Cesari ". He also organized the session "SIAM Minisymposium on Multivariate Signal Analysis and Inverse Problems", for the Congress of the American Mathematical Society (AMS), which was held at San Antonio (USA) in January 2015, and the "Mathematical Image Processing" session in the Congress GAMM2015 - 86th Annual Meeting of the International Association of Applied Mathematics and Mechanics, which was held in Lecce (Italy), in March 2015. In June 2016, has been one of the organizers of the GNAMPA Congress held in Montecatini Terme (Italy).

Coordination of Project activities:

He has been the coordinator of the following research projects:

- GNAMPA-INdAM project 2005: "Approximations by integral operators and applications to Signal Processing" (Approssimazione con operatori integrali e Applicazioni al Signal Processing).
- Project FIXO-Azione 2006: "Management and Processing of Biomedical Images", in collaboration among the following Italian university: Camerino, Perugia, Siena, Sassari, and the following companies: the Hospital of Perugia, ASUR Marche, research center INRCA of Ancona (Italy), Medicad s.r.l-spin-off of the University of Palermo (Italy). The main purpose of the above project was the formation of a new professional in the field of the analysis and the processing of biomedical images. As part of this project, we have enabled an intense collaboration with the sections of Vascular and Endo-vascular Surgery and Diagnostic and Interventional Radiology of the University of Perugia.
- GNAMPA INdAM project 2007: "Approximation by intyegral and discrete operators and applications to discontinuous signal theory (BV or in Orlicz spaces) and in semi-group theory" (Approssimazione con operatori integrali e discreti ed applicazioni alla teoria dei segnali discontinui (BV o in Spazi di Orlicz) ed alla teoria dei semigruppi).
- 2008 - Project funded by the "Fondazione Cassa di Risparmio di Perugia": "Methods of the mathematical analysis and discrete geometry with applications to the treatment of signals and images, to optical systems, and to cryptography" (Metodi dell'Analisi Matematica e della Geometria Discreta e applicazioni al trattamento di segnali e di immagini, a sistemi di comunicazione ottica e alla crittografia).
- 2009 - Project funded by the "Fondazione Cassa di Risparmio di Perugia": "Mathematical and computer science methods for the applications to the mathematical economics, to Mathematical Physics , to the networks for the communications and the artificial intelligence" (Metodi Matematici e Informatici con applicazioni all'Economia Matematica, alla Fisica Matematica, alle Reti per la gestione delle comunicazioni e all'Intelligenza Artificiale).
- 2010 - Project funded by the "Fondazione Cassa di Risparmio di Perugia": "Theory and methods for the Mathematical Analysis, the geometry and the Computer science for the management of the information" (Teoria e Metodi dell'Analisi Matematica, della Geometria e dell'Informatica per la gestione dell'Informazione).
- PON project 2011: "Models and techniques of approximation for the social network analysis".
- GNAMPA INdAM project 2012: "Methods of operators theory for problems of approximations and evolution equations and their applications" (Metodi di Teoria degli Operatori per Problemi di Approssimazione e per Equazioni di Evoluzione e loro Applicazioni).
- European project MIMA: Mathematics in the Making (Project Manager) - Lifelong Learning Program of the European Union Project n. 539872 - LLP - 1 - 2013 - IT - COMENIUS - CMP Agreement n. 2013 - 3073 / 001 - 001; lead unit: University of Perugia.
- 2015 - Project funded by the "Fondazione Cassa di Risparmio di Perugia": "Enhancement algorithms of thermographic images to study the influence of thermal bridges in the energetic analysis of buildings" (Algoritmi per il miglioramento di immagini termografiche per lo studio dell'influenza dei ponti termici nell'analisi energetica degli edifici).
- National coordinator of the PRIN2012: "Methods of operators theory for approximation problems and applications" (Metodi di teoria degli operatori per problemi di approssimazione ed applicazioni). The project has passed the pre-selection phase, but it was declared not eligible for funding.
- He has also coordinated several departmental research projects and has participated to several national research projects PRIN approved for financing, in collaboration with other Italian universities in the field of Real Analysis, in several research projects of CNR, bilateral projects Italy-Germany and Italy - Marocco, who provided scientific exchanges between researchers. Moreover,

he is the coordinator of a bilateral agreement of scientific cooperation between the University of Perugia and the Adam Mickiewicz University in Poznan (Poland). He is also coordinator of several Erasmus mobility agreements, both for teachers and students (staff and student mobility).

o Finally, he is a member of the Register of scientific experts of the MIUR (Italian Ministry of the University and the Research) D.D. n. 79/2010 / Ric. Moreover, he belongs to the register of auditors of the MIUR, and has been one of the evaluator of 16 regional research projects, and referee and rapporteur of SIR projects of MIUR.

▬▬▬ Member of the commissions of the following competitions:

1) Member of the commission for the admission and the awarding of the title of the Ph.D. in Mathematics (University of Florence, University of Pisa, University of Salento (Lecce) and University of Padova);
2) Member of the commission for the competition to University Researcher (University of Messina, University of Torino, and University of Perugia);
3) Member of the commission for the competition to Full professor;
4) President of the commission for competitions to grants and Post-doc positions.

▬▬▬ Scientific activities:

He has a research team, consisting of 2 Full Professors, 4 Researchers, 1 Post-doc and one collaborator who deals with Real Analysis, Theory of integral operators, Approximation theory and its applications to signal reconstruction and images processing. In particular, we deal with biomedical images (CT images) for the study of vascular patologies, and engineering images (thermographic images) for the study of the seismic vulnerability of the buildings (texture image) and the evaluation of their energy efficiency (thermal bridges). Moreover, some members of the group are also interested in Angio-OCT image processing for the diagnosis of retinopathy and maculopathy and images to radio frequencies for the diagnosis of breast diseases. The above subjects are developed in collaboration with the Departments of Civil and Environmental Engineering (DICA), Engineering (DI), the Biomedical and Surgical Sciences and of Physics and Geology.

He has been research director of some Post-doc students, that dealt with approximation problems for sampling type operators and applications to the reconstruction of signals and images. "

He has been invited to give about 50 plenary lectures at conferences at various universities and research centers, including: Aachen (Germany), Bedlewo (Poland), Czestochowa (Poland), Cologne (Germany), Krakow (Poland), Madrid (Spain), Orleans (France), Poznan (Poland), San Francisco (USA), Toronto (Canada), Thessaloniki (Greece), Trondheim (Norway), York (UK), and in addition to the major Italian universities (Florence, Palermo, Trento, Roma Tre, Naples, Salerno, Bari, Cosenza, Potenza, Lecce, Cassino, Udine, etc.). Finally, he attended as speaker to several national and international conferences.

He has taught to the Ph.D. students in Mathematics at the University of Florence (in consortium with the University of Perugia) and to the Ph.D. students in Mathematics and Computer Science for Processing and the Representation of the Information and the Knowledge " at the University of Perugia.

▬▬▬ Periods of research carried out abroad:

He was invited for research periods at the following foreign universities: RWTH- Aachen- Germany (1991, 1993, 2005), A. Mickiewicz University (UAM) in Poznan, Poland (1994, 1998, 1999),

University of York, UK (2001,2002,2004,2006).

Publications:

Data of the scientific activities:
- SCOPUS: h-index 13, 418 citations;
- WOS: h-index 11, 248 citations;
- MathScinet: h-index 12, 529 citations, ;
- Google Scholar: h-index 23,1426 citations, i10 index 56.

1. C.BARDARO-G.VINTI "Perimetro e variazione generalizzata rispetto ad una misura in $\mathbb{R}^2$, Atti Sem. Mat. Fis. Univ. Modena, 35 (1987), 173-190.
2. C.BARDARO-G.VINTI "Integral operators on vector measures and applications to the moment kernel", Rendiconti di Matematica, 8, (1988), 149-164.
3. C.BARDARO-G.VINTI "Modular convergence in generalized Orlicz spaces for moment type operators", Applicable Analysis, 32, (1989), 265-276.
4. C.BARDARO-G.VINTI "Some estimates of integral operators in fractional calculus", Rapporto Tecnico N. 8/1989 del Dipartimento di Matematica - Università degli Studi di Perugia.
5. G.VINTI "Soluzioni periodiche di sistemi non lineari di Liénard con termini forzanti", Rendiconti del Circolo Matematico di Palermo, Serie II, Tomo XXXIX, (1990), 5-46.
6. C.BARDARO-G.VINTI "On approximation properties of certain non convolution integral operators", Journal of Approximation Theory, Vol. 62, No. 3 (1990), 358-371.
7. C.BARDARO-G.VINTI "On convergence of moment operators with respect to the -variation", Applicable Analysis, Vol 41 (1991), 247-256.
8. C.BARDARO-G.VINTI "Modular estimates of integral operators with homogeneous kernels in Orlicz type spaces", Results in Mathematics, Vol 19 (1991), 46-53.
9. C.BARDARO-G.VINTI "Some estimates of integral operators with respect to the multidimensional Vitali -variation and applications in fractional calculus", Rendiconti di Matematica di Roma, Serie VII, Vol 11 (1991), 405-416.
10. C.BARDARO-G.VINTI "Some estimates of certain integral operators in generalized fractional Orlicz classes", Numerical Functional Analysis and Optimization, 12 (1991), 443-453.
11. G.VINTI "The Fubini-Tonelli integral in the sense of Weierstrass-Cesari over pairs of BV curves", Nonlinear Analysis, Vol 18, No 2 (1992), 121-142.
12. C.BARDARO-G.VINTI "A General Convergence Theorem with respect to Cesari Variation and Applications", Nonlinear Analysis, Vol 22 (1994), 505-518.
13. C.BARDARO-G.VINTI "Modular Convergence Theorems in Fractional Musielak-Orlicz Spaces", Zeitschrift für Analysis und ihre Anwendungen (Journal for Analysis and its Applications), Vol 13 (1994), No. 1, 155-170.
14. G.VINTI "The Generalized φ-Variation in the sense of Vitali: Estimates for Integral Operators and Applications in Fractional Calculus", Commentationes Mathematicae, 34 (1994), 199-213.
15. C.BARDARO-J.MUSIELAK-G.VINTI "Modular estimates and modular convergence for a class of nonlinear operators", Mathematica Japonica, Vol 39, No. 1, (1994), 7-14.
16. C.BARDARO - J.MUSIELAK - G.VINTI "On Absolute Continuity of a Modular connected with Strong Summability", Commentationes Mathematicae, 34 (1994), 21-33.
17. C.BARDARO-G.VINTI "Some Inclusion Theorems for Orlicz and Musielak-Orlicz Type Spaces", Annali di Matematica Pura e Applicata, 168 (1995), 189-203.
18. C.BARDARO-G.VINTI "Modular estimates for linear integral operators in Musielak-Orlicz spaces

on groups", Atti Sem. Mat. Fis. Modena, 43 (1995), 483-490.

19. C.BARDARO-G.VINTI "Modular Approximation by Nonlinear Integral Operators on Locally Compact Groups", Commentationes Mathematicae, 35 (1995), 25-47.

20. C.BARDARO-G.VINTI "Modular Estimates and Modular Convergence for Linear Integral Operators", Contemporary Mathematics, 190 (1995), 95-105.

21. C.BARDARO - J.MUSIELAK - G.VINTI "Approximation by Nonlinear Integral Operators in some Modular Function Spaces", Annales Polonici Math., 53 (1996), 173-182.

22. I.MANTELLINI - G.VINTI "Modular Estimates for Nonlinear Integral Operators and Applications in Fractional Calculus", Numerical Functional Analysis and Optimization, 17 (1996), 143-165.

23. C.BARDARO - J.MUSIELAK - G.VINTI "On the definition and properties of a general modulus of continuity in some functional spaces", Mathematica Japonica, 43 (1996), 445-450.

24. C.BARDARO - J.MUSIELAK - G.VINTI "Nonlinear operators of integral type in some function spaces", Collectanea Mathematica, 48 (1997), 409-422.

25. C.BARDARO - G.VINTI "A Modular convergence theorem for certain nonlinear integral operators with homogeneous kernel", Collectanea Mathematica, 48, (1997), 393-407.

26. C.BARDARO-G.VINTI "A general approach to the convergence theorems of generalized sampling series", Applicable Analysis, 64 (1997), 203-217.

27. C.BARDARO - J.MUSIELAK - G.VINTI "On nonlinear integral operators in spaces Lj ,y (W)", Commentationes Mathematicae, 37 (1997), 23-36.

28. I.MANTELLINI - G.VINTI " φ-variation and nonlinear integral operators", Atti Sem. Mat. Fis.Univ. Modena, volume speciale in Onore del Professor Calogero Vinti, Suppl. Vol. 46 (1998), 847-862.

29. C.BARDARO - J.MUSIELAK - G.VINTI "On the ergodic theorem in some spaces of random variables", Nonlinear Analysis, 33 (1998), 359-365.

30. C.BARDARO - G.VINTI "On the order of modular approximation for nets of integral operators in modular Lipschitz classes", Functiones & Approximatio, 26 (1998), 135-151.

31. C.BARDARO - J. MUSIELAK - G.VINTI "Some modular inequalities related to Fubini-Tonelli theorem", Proceedings of A. Razmadze Mathematical Institute, Georgia, 118 (1998), 3-19.

32. C.BARDARO - G.VINTI "Uniform convergence and rate of approximation for a nonlinear version of the generalized sampling operator", Results in Mathematics, 34 No. 3/4 (1998), 224-240, volume speciale dedicato al Professor P.L. Butzer.

33. C.BARDARO - G.VINTI "The contribution of J. Musielak research to the theory of nonlinear integral operators", apparso sul volume "Viro docto atque iusto Iuliano Musielak", University A.Mickiewicz di Poznan (eds. H. Hudzik, M.Jaroszewskiej) Poznan 1999, ISBN 83-911474-1-X.

34. C. BARDARO - G. VINTI "Nonlinear sampling type operators: uniform and modular approximation results", Proceedings of the 1999 International Workshop on Sampling Theory and Applications (Loen, Norway 11-14 August,1999), Norwegian University of Science and Technology, Trondheim, Norway, ISBN 82-7151-0991.

35. C.BARDARO - G.VINTI "Nonlinear integral operators in modular Lipschitz classes: rates of modular approximation", Function Spaces: the fifth conference. Eds: H. Hudzik, L. Skrzypczak, New York: Marcel Dekker, 2000, 71-84.

36. C.BARDARO - J. MUSIELAK - G.VINTI "On nonlinear integro-differential operators in generalized Orlicz-Sobolev spaces", Journal of Approximation Theory, Vol. 105, N. 2 (2000), 238-251.

37. G. VINTI "A general approximation result for nonlinear integral operators and applications to signal processing" , Applicable Analysis, Vol. 79 (2001), 217-238.

38. C.BARDARO - G.VINTI "On some class of integral operators in modular spaces", Far East

Via del Coppetta, 6 – 06124 Perugia

📱 *(+39) 347 7027210* ● 📞 *(+39) 075 585 5025*

📠 *(+39) 075 585 5024* ● ✉ *gianluca.vinti@unipg.it*

Journal of Mathematical Sciences, Special Volume (2001), Part II (Functional Analysis and its Applications), 129-154.

39. C. BARDARO - J. MUSIELAK - G. VINTI "Approximation by Riemann sums in modular spaces", Hokkaido Mathematical Journal, Vol. 30 (2001), 253-267 .

40. C. BARDARO - G. VINTI "Nonlinear sampling type operators: approximation properties and regular methods of summability", Nonlinear Analysis Forum, 6 (1) (2001), 15-26.

41. S. SCIAMANNINI - G. VINTI "Convergence and rates of approximation for a class of integral operators", Approximation Theory and its Applications, 17(4) (2001), 17-35.

42. C. BARDARO - S. SCIAMANNINI - G. VINTI "Convergence in BVφ by nonlinear Mellin-type convolution operators", Functiones & Approximatio, 29 (2001), 17-28.

43. C. BARDARO - G. VINTI " Urysohn integral operators with homogeneous kernel: approximation properties in modular spaces", Comment. Math. Prace Math., 42(2), (2002), 145-182.

44. C. BARDARO - J. MUSIELAK - G. VINTI "On nonlinear integral equations in some function spaces", Demonstratio Mathematica, 35 (3) (2002), 583-592.

45. I. MANTELLINI - G. VINTI "Approximation results for nonlinear integral operators in modular spaces and applications", Annales Polonici Mathematici, 81(1), (2003), 55-71.

46. S. SCIAMANNINI - G. VINTI "Convergence results in BVφ for a class of nonlinear Volterra-Hammerstein type integral operators and applications", Journal of Concrete and Applied Mathematics, Vol. 1, N. 4 (2003), 287-306.

47. C.BARDARO - P.L. BUTZER - R.L. STENS - G. VINTI "Convergence in Variation and Rates of Approximation for Bernstein-Type Polynomials and Singular Convolution Integrals, Analysis (Munchen), 23 (2003), 299-340.

48. C. BARDARO - G. VINTI " An abstract approach to sampling type operators inspired by the work of P.L. Butzer. Part I - Linear operators", Journal of Sampling Theory and Signal Image Processing, Vol. 2, No.3 (2003), 271-295.

49. L. ANGELONI - G. VINTI " A unified approach to approximation results with applications to nonlinear sampling theory", International Journal of Mathematical Sciences, Vol. 3, N. 1 (2004), 93-128.

50. C. BARDARO - G. VINTI " An abstract approach to sampling type operators inspired by the work of P.L. Butzer. Part II - Nonlinear operators", Journal of Sampling Theory and Signal Image Processing, Vol 3, No. 1, (2004), 29-44.

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52. G. VINTI " Approximation in Orlicz spaces for linear integral operators and Applications", Rendiconti del Circolo Matematico di Palermo, Serie II, Suppl. 76 (2005), 103-127.

53. L. ANGELONI - G. VINTI " Rate of approximation for nonlinear integral operators with applications to signal processing", Differential and Integral Equations, Vol. 18, No. 8 (2005), 855-890.

54. C.BARDARO - P.L. BUTZER - R.L. STENS - G. VINTI "Approximation of the Whittaker Sampling Series in terms of an Average Modulus of Smoothness covering Discontinuous Signals", Journal of Mathematical Analysis and Applications, Vol. 316 (2006), 269-306.

55. L. ANGELONI - G. VINTI " Convergence in Variation and Rate of Approximation for Nonlinear Integral Operators of Convolution Type", Results in Mathematics, Vol. 49 (2006), 1-23.

56. C.BARDARO - P.L. BUTZER - R.L. STENS - G. VINTI "Kantorovich-Type Generalized Sampling Series in the Setting of Orlicz Spaces", Sampling Theory in Signal and Image Processing , Vol. 6 (2006), 29-52

Via del Coppetta, 6 – 06124 Perugia

(+39) 347 7027210 ● *(+39) 075 585 5025*

(+39) 075 585 5024 ● *gianluca.vinti@unipg.it*

57. C. BARDARO - G. VINTI " Approximation of multivariate functions of bounded variation by means of linear convolution operators", Varahmihir Journal of Mathematical Sciences , Vol. 6, No.2 (2006), 393-404.

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59. C. BARDARO – HARUN KARSLI - G. VINTI "On Pointwise Convergence of Linear Integral Operators with Homogeneous Kernels", Integral Transforms and Special Functions, Vol. 19,No.6 (2008), 429-439.

60. C. DONNINI - G. VINTI "Approximation by Means of Kantorovich Generalized Sampling Operators in Musielak-Orlicz spaces", PanAmerican Mathematical Journal, Vol. 18 (2008), No. 2, 1-18.

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63. G. VINTI – L. ZAMPOGNI "Approximation by means of nonlinear Kantorovich sampling type operators in Orlicz spaces ", Journal of Approximation Theory, vol. 161(2009), 511-528.

64. G. VINTI UMI Proceedings: First Joint Meeting UMI-DMV, vol. 2, (2009) Unione Matematica Italiana, BOLOGNA:ISBN: 9788896336014.

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67. L. ANGELONI – G. VINTI, Errata Corrige to: "Approximation by means of Nonlinear Integral Operators in the Space of Functions with Bounded phi-Variation", Differential and Integral Equations, vol. 23, (2010), 795-799.

68. L. ANGELONI – G. VINTI, Erratum to: "Convergence in Variation and Rate of Approximation for Nonlinear Integral Operators of Convolution Type", Results in Mathematics vol. 57 (2010), 387-391.

69. C. BARDARO – H. KARSLI - G. VINTI "Nonlinear Integral Operators with Homogeneous kernels: pointwise approximation theorems", Applicable Analysis, vol. 90 (2011), 463-474.

70. D. COSTARELLI – G. VINTI, "Approximation by Multivariate Generalized Sampling Kantorovich Operator in the Setting of Orlicz Spaces. Bollettino dell'Unione Matematica Italiana, vol. IV (2011), 445-468.

71. G. VINTI – L. ZAMPOGNI "A unifying approach to convergence of linear sampling type operators in Orlicz spaces", Advances in Differential Equations, vol. 16 (2011), 573-600.

72. L. ANGELONI – G. VINTI, "Approximation in variation by homothetic operators in multidimensional setting", Differential Integral Equations, 26 (5-6) (2013), 655–674.

73. C. BARDARO – H. KARSLI - G. VINTI, "On Pointwise Convergence of Mellin Type Nonlinear m-Singular Integral Operators", Communications on Applied Nonlinear Analysis, Vol. 20, No. 2 (2013), 25-39.

74. L. ANGELONI – G. VINTI, "A sufficient condition for the convergence of a certain modulus of smoothness in multidimensional setting", Comm. Appl. Nonlinear Anal., 20 (1) (2013), 1-20.

75. D. COSTARELLI – G. VINTI, "Approximation by Nonlinear Multivariate Sampling-Kantorovich Type Operators and Applications to Image Processing", Numer. Funct. Anal. Optim. 34 (6) (2013), 1-26.

76. L. ANGELONI – G. VINTI, "Variation and approximation for Mellin-type operators", EURASIP, Proceeding of SampTA2013. 10th International Conference on Sampling Theory and Applications July 1st - July 5th, 2013. Jacobs University Bremen, (2013).

77. F. CLUNI, D. COSTARELLI, A.M. MINOTTI, G. VINTI, "Multivariate sampling Kantorovich operators: approximation and applications to civil engineering", EURASIP, Proceeding of SampTA2013. 10th International Conference on Sampling Theory and Applications July 1st - July 5th, 2013. Jacobs University Bremen (2013), 400-403.

78. G. VINTI, "A scientif profile of Patrizia Pucci", in Recent Trends in Nonlinear Partial Differential Equations I: Evolution Problems, in honor of Patrizia Pucci's 60th birthday, Contemporary Mathematics, American Mathematical Society, Volume 594 (2013), 9-18.

79. F. VENTRIGLIA - G. VINTI, "A unified approach for nonlinear Kantorovich-type operators", Bollettino dell'Unione Matematica Italiana, Vol. 9, VI (2013), 715-724.

80. D. COSTARELLI –G. VINTI, "Order of approximation for nonlinear sampling Kantorovich operators in Orlicz spaces", to appear in Commentationes Mathematicae, a special Volume dedicated to Prof. Julian Musielak, Vol. 53, No. 2 (2013), 271-292.

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