Ferdinando Di Martino
CURRICULUM VITAE

Google Scholar webpage	https://scholar.google.it/citations?hl=it&user=IsC1v5wAAAAJ&view_op=list_works&sortby=pubdate
Actual position	Research Fellow in Computer Science at the department of Architecture, Università degli studi di Napoli Federico II
Academic habilitation	National habilitation for the applied-for position of associate professor in computer science (01/B1) obtained in date 10-04-2017.

Education

Date	20/01/2010
Title	PhD in computer science
Thesis title	Fuzzy Logic Based Methods For Image Processing and Data Analysis
Keys	Fuzzy logic, fuzzy sets, fuzzy relations, soft computing, image processing, data analysis, data mining
Institution	Università degli Studi di Salerno

Date	16/12/1988
Title	Master's degree in Physics
Thesis title	Kinematical catalogue of early type galaxies
Keys	Early type galaxies, kinematics and dynamics of galaxies, numerical data analysis, large dataset catalogues,
Institution	Università degli Studi di Napoli Federico II
Knowledge degree of foreign languages	
Language	English
Knowledge level	Good
Language	French
Knowledge level	Adeguate

Appointments – main Research Groups and Projects	

Research Group	EUropean Society for Fuzzy Logic And Technology (EUSFLAT) Research Working Group
Period	2016-today
Position	Member of the EUSFLAT Research Working Group on soft computing in image processing.
Main activities and responsibilities	Research group manager on Fuzzy Transform applications for image and data processing
Research Group	Centro Interdipartimentale Applied Soft Computing – Università degli Studi di Salerno (Italy)
Period	2016-today
Position	Member of the Soft Computing Research group
Main activities and responsibilities	Research group manager on Fuzzy Transform applications for image and data processing
Research Project	Research Project PRIN 2015-2017: "Adaptive Design and Technological Innovations for the rigeneration in urban districts resilient to climate change, Università degli Studi di Napoli Federico II, dipartimento di Architettura (DIARC)
Period	2016- today
Position	Senior researcher
Main activities and responsibilities	DIARC GIS working group manager for the activities of modeling and processing of spatial analysis processes and spatial data infrastructure - heat wave and pluvial flood vulnerability
Research Project	Research Project METROPOLIS – PON Ricerca e competitività 2007-2013, Università degli Studi di Napoli Federico II, dipartimento di Architettura (DIARC)
Period	2015- today
Position	Senior researcher

Main activities and responsibilities	DIARC GIS working group manager for the activities of modeling and processing of spatial analysis processes and spatial data infrastructure - heat wave and pluvial flood vulnerability
Research Project	Research Project SIRET – Sistema Intelligente di Recruiting e Training – PON Ricerca e competitività 2007-2013
Period	2011 – 2015
Position	Member of the Scientific Technical Committee, research manager
Main activities and responsibilities	Management of the research development objective: OR3 – Semantic matchmaking retrieval framework to the connection betweend job demand and offer. OR7 – Prototype framework for recruiting & training services.
Research Project	Research Project "Cilento Labscape. Un modello integrato per l'attivazione di un Progetto di ricerca "Living Lab nel Parco Nazionale del Cilento e Vallo di Diano" –finanziato con fondi europei FARO (Finanziamento per l'Avvio di Ricerche Originali), Università di Napoli Federico II, Polo delle Scienze e delle Tecnologie,
Period	2011 – 2015
Position	Research manager
Main activities and responsibilities	DIARC GIS working group manager for the activities of analysis, design and development of the spatial infrastructure geoportal for living lab services
Research Project	POR 297 Regione Campania – Università degli Studi di Napoli Federico II - Sviluppo di metodi evoluti di fuzzy clustering ed approcci fuzzy per data mining applicati a dataset di grandi dimensioni" presso il Dipartimento di Costruzioni e Metodi Matematici dell'Università degli Studi di Napoli Federico II
Period	2009-2010
Position	Reasearch manager, Senior researcher
Main activites and responsasbilities	Research activities aimed to propose and implement an advanced fuzzy clustering algorithm of fuzzy for spatial hot spots detection and to implement a geocomputational framework to study the spattio-temporal hotspots evolution.
Research Project	National Research Laboratory CRISALIDE (Centro di RIcerca Sistemi Avazati e Laboratorio di automazione InDustrialE) – Industrial Research Laboratory on Information Technology, art. 14, par. 9, D.M. n. 593 8/8/2000, and certified Regional Information Technology research Laboratory, Regione Campania.
Period	1998-2007

Position	Research LAB Director
Main activities and responsibilities	Manager of the research laboratory, research working group manager.
Research Project	Research Project MIUR 297 - Tema 19 –COSTIERA: Controllo Ottimale geSTIone ed Erogazione Acque potabili
Period	1998-2007
Position	Project Manager
Main activities and responsibilities	Project Management Working group manager for the activities of analysis, design and development of the geospatial framework for monitoring aquifer pollutions vulnerability and risk. Modeling and implementation of a fuzzy reliability algorithm for evaluating the reliability of spatial thematic maps.
Research Project	Research Project MIUR SESPIM – Sistemi Esperti Per Il Mezzogiorno
Period	1991-1998
Position	Junior Researcher
Main activities and responsibilities	Analysis and implementation of a fuzzy rule system encapsulated in a geocomputational framework to supply decisional support in the management of infrastuctural networks.

Summary of Scientific Achievements

Editor in computer science international journals

Journal: **Soft Computing**

Title: Associate editor

Year: 2014

Journal: **Advances in Fuzzy System**

Title: Associate editor

Year: 2016

Publications in international journals

Authors: **F. Di Martino, S. Sessa**

Title: Fuzzy Transforms Prediction in Spatial Analysis and its Application to Demographic Balance Data, Soft Computing.(2017), 1-14, DOI: 10.1007/s00500-017-2621-8.

Year: 2017

Authors: **F. Di Martino, P. Hurtik, I. Perfilieva, S. Sessa**

Title: Image reduction method based on the F-transform, Soft Computing.(2017) 21(7), 1847-1861 DOI: 10.1007/s00500-015-1885-0

Year: 2017

Authors: **F. Di Martino, S. Sessa**

Title: Max-Min Fuzzy Relation Equations for a Problem of Spatial Analysis, Soft Ratio Mathematica, Vol. 31, 2016, pp. 37—64, DOI: 10.23755/rm.v31i0.318.

Year: 2016

Authors: **V. D'Ambrosio, F. Di Martino**

Title: The Metropolis research. Experimental models and decision-making processes for the adaptive environmental design in climate change, UPLAND, Journal of Urban Planning, Landscape and urban Design, (2016) 1 (1), 187-217, ISSN online 2531-99062016.

Year: 2016

Authors: **F. Di Martino, R. Mele, S. Sessa, U.E.S. Barillari, M. R. Barillari**

Title: WEB GIS Based on spatio temporal hot-spots: an application tu oto-laryngo-pharyngeal diseases, Soft Computing 20 (6), 2135-2147 DOI: 10.1007/s00500-015-1626-4

Year: 2016

Authors: **F. Di Martino, I. Perfilieva, S. Sessa**

Title: Fuzzy Methods for Data Analysis. Advances in Fuzzy Systems (2015) Article ID 957856, 1 pp., DOI:10.1155/2015/9578562015.

Year: 2015

Authors: **F. Di Martino, P. Hurlik, I. Perfilieva, S. Sessa**

Title: A color image reduction based on fuzzy transforms. Information Sciences. 266: 101-111, DOI: 10.1016/j.ins.2014.01.014.

Year: 2014

Authors: **F. Di Martino, S. Sessa**

Title: Type-2 interval fuzzy rule-based systems in spatial analysis. Information Sciences 279: 199-212, DOI: 10.1016/j.ins.2014.03.114.

Year: 2014

Authors: **F. Di Martino, V. Loia, S. Sessa**

Title: Multi-species PSO and fuzzy systems of Takagi-Sugeno-Kang type. Information Sciences 267: 240-251, DOI: 10.1016/j.ins.2014.01.017.

Year: 2014

Authors: **F. Di Martino, S. Sessa, U.E.S. Barillari, M. R. Barillari**

Title: Spatio-temporal hotspots and application on a disease analysis case via GIS, Soft Computing 18 (12): 2377-2384. DOI: 10.1007/s00500-013-1211-7. 2014

Year:

Authors: **F. Di Martino, R Mele, U.R. Barillarti, MR. Barillari, I Perfilieva, S. Senatore**

Title: Spatio-temporal HotSpot Analysis for exploring Evolution of Diseases an application to oto-laryingo-pharingeon diseases, Advance on Fuzzy Systems, Special Issue on Fuzzy Methods and Approximate Reasoning in Geographical Information Systems Vol. 2013. Article ID 385974, 7 pag, DOI: 10.1155/2013/385974.

Year: 2013

Authors: **F. Di Martino, S. Sessa**

Title: Image Matching by using Fuzzy Transforms, Advance on Fuzzy Systems, Special Issue Fuzzy Functions, Relations and Fuzzy Transforms Vol. 2013. Article ID 700704, 10 pag, DOI: 10.1155/2013/760704.

Year: 2013

Authors: **F. Di Martino, S. Sessa**

Title: Coding B-Frames of Color Videos with Fuzzy Transforms, Advances in Fuzzy System,sVolume 2013 (2013), Article ID 652429, 9 pages, DOI: 10.1155/2013/652429.

Year: 2013

Authors: **F. Di Martino, S. Sessa**

Title: A fuzzy particle swarm optimization algorithm and its application to hotspot events in spatial analysis. Journal of Ambient Intelligence and Humanized Computing, vol. 4, 85-97, DOI: 10.1007/s12652-011-0096-5.

Year: 2013

Authors: **F. Di Martino, S. Sessa**

Title: Hotspots Detection in Spatial Analysis via the Extended Gustafson-Kessel Algorithm. Advanced in Fuzzy Systems 2013, vol. Article ID 876073, 7 pages, DOI:10.1155/2013/876073.

Year: 2013

Authors: **P. D'Amico, F. Di Martino, S. Sessa**

Title: Indicatori per la Mobilità sostenibile, la Provincia di Napoli, 2011 (2011). Tema. Journal of Land Use, Mobility and Environment, 4(2) DOI: 10.6092/1970-9870/235

Year: 2012

Authors: **F. Di Martino, V. Loia, S. Sessa**

Title: Fuzzy Systems Based on Multispecies PSO Method in Spatial Analysis, Advanced In Fuzzy Systems 2012 (2012), 8 pp, DOI: 10.1155/2012/808361.

Year: 2012

Authors: **F. Di Martino, S. Sessa**

Title: Fragile watermarking tamper detection with images compressed by fuzzy transforms, Information Science 19 (15), 62-90 (2012), DOI: 10.1016/j.ins.2012.01.014

Year: 2012

Authors: **F. Di Martino, S. Sessa**

Title: Detection of Fuzzy Association rules by Fuzzy Transforms, Advances of Fuzzy Systems, Article 258 476 – 12 pp, DOI: 10.1155/2012/258476.

Data: 2012

Authors: Authors: **F. Di Martino, S. Sessa**

Title: A fuzzy particle swarm optimization algorithm and its application to hotspot events in spatial analysis, J Ambient Intell Human Comput (2011) 1-13 DOI 10.1007/s12652-011-0096-5,

Year: 2012

Authors: **P. D'Amico, F. Di Martino, S. Sessa**

Title: A GIS as a decision support system for sustainable mobility, Contemporary Engineering Sciences, 5(1): 9-32 (2012)

Year: 2011

Authors: **F. Di Martino, V.Loia, S. Sessa**

Title: Fuzzy transforms method in prediction data analysis. Fuzzy Sets and Systems 180(1): 146-163 (2011), DOI: 10.1016/j.fss.2010.11.009.

Year: 2011

Authors: **F. Di Martino, S. Sessa**

Title: The extended fuzzy C-means algorithm for hotspots in spatio-temporal GIS. Expert Syst. Appl. 38(9): 11829-11836 (2011), DOI: 10.1016/j.eswa.2011.03.071.

Year: 2011

Authors: **F. Di Martino, S. Sessa**

Title: Spatial Analysis and Fuzzy Relation Equations. Advances in Fuzzy Systems 2011: 1-14 (2011), DOI: 10.1155/2011/429498.

Year: 2011

Authors: **F. Di Martino, V. Loia, S. Sessa**

Title: By Using Fuzzy Rules for Applications to Risk Analysis in the Vesuvian Area, Contemporary Engineering Sciences, 4(2): 55-78 (2011)

Year: 2011

Authors: **F. Di Martino, V. Loia, S. Sessa**

Title: A segmentation method for images compressed by fuzzy transforms. Fuzzy Sets and Systems 161(1): 56-74 (2010), DOI: 10.1016/j.fss.2009.08.002.

Year: 2010

Authors: **F. Di Martino, V. Loia, S. Sessa**

Title: Fuzzy transforms for compression and decompression of color videos. Information Sciences 180(20): 3914-3931 (2010), DOI: 10.1016/j.ins.2010.06.030.

Year: 2010

Authors: **F. Di Martino, V. Loia, S. Sessa**

Title: Fuzzy transforms method and attribute dependency in data analysis. Information Sciences 180(4): 493-505 (2010), DOI: 10.1016/j.ins.2009.10.012.

Year: 2010

Authors: **F. Di Martino, S. Sessa**

Title: Eigen fuzzy sets and a genetic algorithm for image information reconstruction, Journal Of Uncertain Systems,4:- 171-180 (2010)

Year: 2010

Authors: **F. Di Martino, V. Loia, S. Sessa**

Title: Direct and inverse fuzzy transforms for coding/decoding color images in YUV space, Journal of Uncertain Systems, 3(1):11-30 (2009)

Year: 2009

Authors: **F. Di Martino, V. Loia, S. Sessa**

Title: A fuzzy hybrid method for image decomposition problem, International Journal of Reasoning-Based Intelligent Systems, Vol. 1, N. 1/2 (2009) 77-84. DOI: 10.1504/IJRIS.2009.026719

Year: 2009

Authors: **F. Di Martino, S. Sessa**

Title: Implementation of the Extended Fuzzy C-Means algorithm in Geographic Information Systems, Journal of Uncertain Systems, 3(4): 298-306 (2009)

Year: 2009

Authors: **F. Di Martino, V. Loia, I. Perfilieva, S. Sessa**

Title: An image coding/decoding method based on direct and inverse fuzzy transforms, International Journal of Approximate Reasoning, 48 (2008) 110–131, DOI: 10.1016/j.ijar.2007.06.008.

Year: 2008

Authors: **F. Di Martino, V. Loia, S. Sessa**

Title: Extended fuzzy C-means clustering algorithm for hotspot events in spatial analysis. Int. Journal Hybrid Intelligent Systems 5(1): 31-44 (2008), DOI: 10.3233/HIS-2008-5103.

Year: 2008

Authors: **F. Di Martino, S. Sessa**

Title: Compression and decompression of images with discrete fuzzy transforms. Information Sciences 177(11): 2349-2362 (2007), DOI:

10.1016/j.ins.2006.12.027.

Year: 2007

Authors: **F. Di Martino, S. Sessa**

Title: Digital watermarking in coding/decoding processes with fuzzy relation equations. Soft Computing 10(3): 238-243 (2006), DOI: 10.1007/s00500-005-0477-9.

Year: 2006

Authors: **F. Di Martino, V. Loia, S. Sessa**

Title: A fuzzy-based tool for modelization and analysis of the vulnerability of aquifers: a case study. International Journal Approximate Reasoning 38(1): 99-111 (2005), DOI: 10.1016/j.ijar.2004.05.001.

Year: 2005

Authors: **F. Di Martino, H. Hirota, H. Nobuhara, W. Pedrycz, S. Sessa**

Title: Fuzzy relation equations for compression/ decompression processes of color images in the RGB and YUV spaces, Fuzzy Optimization and Decision Making, 4: 235–246 (2005), DOI: 10.1007/s10700-005-1892-1.

Year: 2005

Editorials

Authors: **F. Di Martino, S. Sessa, I. Perfilieva**

Title: Fuzzy Methods for Data Analysis, Advances in Fuzzy Systems, Volume 2015 (2015), Article ID 957856, 1 page DOI: 10.1155/2015/957856

Year: 2015

Authors: **F. Di Martino, S. Sessa, I. Perfilieva, S. Senatore**

Title: Fuzzy Methods and Approximate Reasoning in Geographical Information Systems, Advances in Fuzzy Systems, Volume 2014 (2014), Article ID 840297, 1 page DOI: 10.1155/2014/840297

Year: 2014

Authors: **F. Di Martino, S. Sessa, I. Perfilieva**

Title: Fuzzy Functions, Relations, and Fuzzy Transforms: Theoretical Aspects and Applications to Fuzzy Systems, Advances in Fuzzy Systems , Volume 2012 (2012), Article ID 295164, 2 pages DOI: 10.1155/2013/296431

Year: 2013

Authors:	**F. Di Martino, S. Sessa, I. Perfilieva**
Title:	Fuzzy Functions, Relations, and Fuzzy Transforms: Theoretical Aspects and Applications to Fuzzy Systems, Advances in Fuzzy Systems , Volume 2013 (2013), Article ID 296431, 1 page DOI: 10.1155/2012/295164
Year:	2012

Authors:	**F. Di Martino, S. Sessa**
Title:	Information sciences: Special Issue: Fuzzy Relation Equations: New Trends and Applications, vol. 234, pages 1-2, DOI: 10.1016/j.ins.2013.03.001
Year:	2013

Publications in international conferences

Authors:	**F. Di Martino, R. Mele, S. Sessa. U. E. Barillari, M. R. Barillari**
Title:	Fuzzy Transforms and Seasonal Time Series , International Workshop on Fuzzy Logic and Applications WILF 2016: Fuzzy Logic and Soft Computing Applications pp 54-62, Springer, DOI: 10.1007/978-3-319-52962-2_4.
Year:	2017

Authors:	**F. Di Martino, R. Mele, S. Sessa. U. E. Barillari, M. R. Barillari**
Title:	WebGIS based on Spatio-Temporal Hotspots: An Application to Oto-Laryngo-Pharyngeal Diseases, IncosSpringer. 2014 6th International Conference on Intelligent Networking and Collaborative Systems, Springer, DOI: 10.1109/INCoS.2014.72.
Year:	2014

Authors:	**P. D'Amico, F. Di Martino, S. Sessa**
Title:	A GIS as decision support system for planning sustainable mobility in a case-study, Studies in Fuzziness and Soft Computing, Multicriteria and Multiagent Decision Making with Applications to Economics and Social Sciences Studies in Fuzziness and Soft ComputingVolume 305, 2013, pp 115-128
Data:	2013

Authors:	**F. Di Martino, V. Loia, I. Perfilieva, S. Sessa**
Title:	Fuzzy Transform for Coding/Decoding Images: On Fuzziness, Studies in Fuzziness and Soft Computing Volume 298, 2013, pp 139-146 DOI: 0.1007/978-3-642-35641-4_22, Springer. 2013.

Year: 2013

Authors: **F. Di Martino, S. Sessa**

Title: Fuzzy Transform and Fragile Watermarking Tamper detection of Coded Images, EUSFLAT-LFA 2011 July 2011 Aix-les-Bains (France), (2011) 444-451, DOI: 10.2991/eusflat.2011.10

Year: 2011

Authors: **F. Di Martino, S. Sessa**

Title: Spatial Analysis with a Tool GIS via Systems of Fuzzy Relation Equations, ICCSA, Part II, Beniamino Murgante eds., Springer Verlag , LNCS 6783, (2011), 15-30, DOI: 10.1007/978-3-642-21887-3_2.

Year: 2011

Authors: **F. Di Martino, V. Loia, S. Sessa**

Title: Multi-dimensional fuzzy transforms for attribute dependencies, Proceedings of IFSA-EUSFLAT 2009 J. P. Carvalho, D. Dubois, U. Kaymak and J. M. C. Sousa, Eds.) (Lisbona, 20-24/7/2009), (2009). 53– 57, SIBN: ISBN: 978-989-95079-6-8.

Year: 2009

Authors: **F. Di Martino, S. Sessa, G. Polese, M. Vacca**

Title: A map-reduce framework for change propagation in geographic databases, Proceedings of 11th International Conference on Enterprise Information Systems ICEIS (Milano, 6 –10/5/2009), Vol. DISI, INSTICC, (2009), 31-36, ISBN: 9789898111845.

Year: 2009

Authors: **F. Di Martino, S. Sessa**

Title: Dynamic buffer areas obtained by EFCM method in GIS environment, Proceedings of 10th International Conference Visual 2008 (M. Sebillo, G. Vitiello, G. Schaefer, Eds.), (Salerno, 11-12/9/2008), LNCS 5188, Springer-Verlag, Berlin-Heidelberg, (2008), 92– 95, DOI: 10.1007/978-3-540-85891-1_11.

Year: 2008

Authors: **F. Di Martino, V. Loia, S. Sessa**

Title: A fuzzy hybrid method for image decomposition problem, EvoWorkshops 2008 (Napoli, 26-28/3/2008), (M. Giacobini et al., Eds.), LNCS 4974, Springer-Verlag, Berlin-Heidelberg, (2008), 353–358, DOI: 10.1007/978-3-

540-78761-7_37.

Year: 2008

Authors: **F. Di Martino, V. Loia, S. Sessa**

Title: Extended fuzzy c-means clustering in GIS environment for hotspot events, Proceedings of KES2007/WIRN 2007, Lecture Notes of Artificial Intelligence (B. Apolloni et al., Eds.), Vol. 4692, Part I, Springer, (2007), 101-107, DOI: 10.1007/978-3-540-73400-0_43.

Year: 2007

Authors: **F. Di Martino, S. Sessa**

Title: A genetic algorithm based on eigen fuzzy sets for image reconstruction, in: Applications of Fuzzy Set Theory, Proceedings of WILF 2007 (7-10/7/2007, Camogli, Italy), Lecture Notes of Artificial Intelligence (F. Masulli, S. Mitra, G. Pasi, Eds.), Vol. 4578, Springer, (2007), 342-348, DOI: 10.1007/978-3-540-73400-0_43.

Year: 2007

Authors: **F. Di Martino, V. Loia, S. Sessa**

Title: By coding/decoding images with fuzzy transforms, Proceedings of International Conference on Information Processing and Managment of Uncertainty in Knowledge-Based Systems (IPMU, Parigi, 2-7/7/2006), Edizioni EDK (2006)

Year: 2006

Authors: **F. Di Martino, H. Nobuhara, S. Sessa**

Title: Fuzzy sets and image information retrieval, Proceedings of FUZZ-IEEE 2004 (Budapest, 26-29/7/2004), IEEE Press, Vol. 3, (2004), 1385-1390, DOI: 10.1109/FUZZY.2004.1375373.

Year: 2004

Authors: **F. Di Martino, V. Loia, S. Sessa**

Title: A method for coding/decoding images by using fuzzy relation equations, Proceedings of Conference IFSA 2003 Lecture Notes in Artificial Intelligence Vol. 2715, Springer, (2003), 436- 441, DOI: 10.1007/3-540-44967-1_52.

Year: 2003

Authors: **F. Di Martino, V. Loia, S. Sessa**

Title: A method in compression/decompression of images using fuzzy equations and fuzzy similarities, Proceedings of Conference IFSA 2003 Lecture Notes in Artificial Intelligence Vol. 2715, Springer, (2003), 524-527, DOI: 10.1007/3-540-44967-1_52.

Year: 2003

Authors: **F. Di Martino, V. Loia, S. Sessa**

Title: Fuzzy reliability analysis in the implementation of the Geographical Information Systems: a case study, 2002 FUZZ-IEEE International Conference on Fuzzy Systems, IEEE Press, Volume 2, pp. 980 – 984, DOI: 10.1109/FUZZ.2002.1006637.

Year: 2002

Papers in edited volumes

Authors: **F. Di Martino, S. Sessa**

Title: Layer Image Compression and Reconstruction by Fuzzy Transforms, in " Modern Image Processing Algorithms Employing Computational Intelligence Techniques" (Patrick Siarry and Amitava Chatterjee, Eds.), Springer , (2012) CAP. 6, DOI: 10.1007/978-3-642-30621-1_6.

Year: 2012

Authors: **F. Di Martino, S. Sessa**

Title: Digital Watermarking strings with images compressed by fuzzy relation equations, in " Modern Image Processing Algorithms Employing Computational Intelligence Techniques" (Patrick Siarry and Amitava Chatterjee, Eds.), Springer, (2012) CAP. 9, DOI: 10.1007/978-3-642-30621-1_6.

Year: 2012

Authors: **F. Di Martino, H. Nobuhara, S. Sessa**

Title: Eigen fuzzy sets and image information retrieval, in " HANDBOOK OF GRANULAR COMPUTING" (W. Pedrycz, A. Skowron, V. Kreinovich, Eds.), John Wiley & Sons (Chichester, England), (2008), 863-872. ISBN: 978-0-470-03554-2.

Year: 2008

Authors: **F. Di Martino, V. Loia, S. Sessa, M. Giordano**

Title: An evaluation of the reliability of a GIS based on the fuzzy logic in a concrete case study, in "FUZZY MODELING WITH SPATIAL INFORMATION FOR GEOGRAPHIC PROBLEMS" (F.E.Petry, V.B. Robinson, M.A. Cobb, Eds.), Springer (2005), 185-208. ISBN: 978-3-540-23713-6.

Year: 2005

Publications in national conferences proceeding and edited volumes

Authors: **F. Di Martino, S. Sessa**

Title: Processi di analisi spaziale per la gestione della conoscenza in "Progettazione ambientale per l′adattamento al Climate Change. Modelli innovativi per la produzione di conoscenza" (V. D' mbrosio, M. F. Leone, Eds.), Clean , (2016) CAP. 2, 58-69, ISBN: 978-88-8497-607-9.

Year: 2016

Authors: **B. Cavallo, F. Di Martino, S. Sessa**

Title: Come costruire un SIT dinamico per processi decisionali. Una overview su analisi spaziale e prospettive di lavoro interattivo in "GIS, GIS DAY 2015 – DAY 2012. IL GIS per la Gestione e il Governo del Territorio", Napoli, 19/11/2015, a cura di B. Cardone, F. Di Martino, S. Sessa, Aracne, 15-24, ISBN: 978-88-548-9423-5.

Year: 2016

Authors: **F. Di Martino, V. D'Ambrosio et al.**

Title: Determinazione delle altezze dell'edificato della Municipalità di Ponticelli (NA) e relativo hillshade in ambiente, GIS, GIS DAY 2015 – DAY 2012. IL GIS per la Gestione e il Governo del Territorio", Napoli, 19/11/2015, a cura di B. Cardone, F. Di Martino, S. Sessa, Aracne, 145,158, ISBN: 978-88-548-9423-5.

Year: 2016

Authors: **F. Di Martino, S. Sessa**

Title: Fuzzy Logic and Spatial Analysis in GIS Environment, BDC. Bollettino Del Centro Calza Bini 15 (1), 233-247, DOI: 10.6092/2284-4732/3780.

Year: 2015

Authors: **F. Di Martino, S. Sessa**

Title: Hotspots detection in spatial analysis: an application to military war, "GIS DAY 2013. Il GIS per la Gestione e il Governo del Territorio", Napoli, 20/11/2013, a cura di B. Cardone, F. Di Martino, S. Sessa, Aracne Editrice S.r.l., Vol. A08, 2014, pp. 69-80. DOI: 10.4399/978885487431262013.

Year: 2014

Authors: **F. Di Martino, R. Mele, S. Sessa, E. Barillari, M. R. Barillari**

Title: WEBGIS platform for detecting spatio-temporal hotspots of oto-laryngo-pharyngeal diseases, in "GIS DAY 2013. Il GIS per la Gestione e il

Governo del Territorio", Napoli, 20/11/2013, a cura di B. Cardone, F. Di Martino, S. Sessa, Aracne Editrice S.r.l., Vol. A08, 2014, pp. 81-94. DOI: 10.4399/97888548743127.

Year: 2014

Authors: **B. Cardone, F. Di Martino, S. Sessa, R. Spiniello**

Title: Analisi degli standardurbanistici mediante tecnologia GIS nel Comune di Avellino, in "GIS DAY2010. I Geographical Information Systems per la Gestione e il Governo del Territorio", Napoli, 17/11/2010, a cura di S. Sessa, Aracne Editrice S.r.l.,Vol. 285, 2012, pp. 29-48. DOI: 10.4399/978885484454432014.

Year: 2013

Authors: **B. Cardone, F. Di Martino, S. Sessa**

Title: Un SIT per la valutazione del valore economico degli edifici nelle zone OMI, in "GIS DAY 2012. IL GIS per la Gestione e il Governo del Territorio", Napoli, 14/11/2012, a cura di B. Cardone, F. Di Martino, S. Sessa, Aracne Editrice S.r.l., Vol. A08, 2013, pp. 19-32. DOI: 10.4399/97888548697833.

Year: 2013

Authors: **B. Cardone, F. Di Martino, G. Mattera, S. Sessa**

Title: Un GIS per l'abusivismo edilizio nel Comune di Forio d'Ischia, in "GIS DAY 2012. IL GIS per la Gestione e il Governo del Territorio", Napoli, 14/11/2012, a cura di B. Cardone, F. Di Martino, S. Sessa, Aracne Editrice S.r.l., Vol. A08, 2013, pp. 33-43. DOI: 10.4399/97888548697834.

Year: 2013

Authors: **M. Cerreta, F. Di Martino, G. Poli**

Title: Il contributo del GIS alla realizzazione di un sistema spaziale dinamico di supporto alla realizzazione per paesaggi marginali: una mappa dei valori

Year: complessi a Napoli. in "GIS DAY 2012. IL GIS per la Gestione e il Governo del Territorio", Napoli, 14/11/2012, a cura di B. Cardone, F. Di Martino, S. Sessa, Aracne Editrice S.r.l., Vol. A08, 2013, pp. 45-76. DOI: 10.4399/97888548697836 (2013)
2013

Authors: **F. Di Martino, R. Mele, S. Sessa**

Title: Analisi spazio-temporale di hotspot relativi all'incidenza di alcune patologie nell'area metropolitana di Napoli, in "GIS DAY 2012. IL GIS per la Gestione e il Governo del Territorio", Napoli, 14/11/2012, a cura di B. Cardone, F. Di Martino, S. Sessa, Aracne Editrice S.r.l., Vol. A08, 2013, pp. 77-90. DOI: 10.4399/97888548697836

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Authors: **B. Cardone, F. Di Martino, A. Guerrireo, I. Garofalo, S. Sessa, O. Ventura**

Title: Terre e sentieri del Partenio: dalla conoscenza al progetto, in "GIS DAY 2011. I Geographical Information Systems per la Gestione e il Governo del Territorio", Napoli,16/11/2011, a cura di B. Cardone, F. Di Martino, S. Sessa, Aracne EditriceS.r.l., Vol. 448, 2012, pp. 37-48. DOI : 10.4399/97888548567384

Year: 2012

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Title: Carta del paesaggio del Comune di Massa Lubrense: un approccio integrato tra GIS e AMC, in "GIS DAY 2011. I Geographical Information Systems per la Gestione e il Governo del Territorio", Napoli, 16/11/2011, a cura di B. Cardone, F. Di Martino, S. Sessa, Aracne Editrice S.r.l., Vol. 448, 2012, pp. 53-67. DOI: 10.4399/97888548567386.

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Authors: **B. Cardone, F. Di Martino, F. Miraglia, S. Sessa**

Title: Un GIS per lacatalogazione del patrimonio architettonico di Carinola, in "GIS DAY2011. I Geographical Information Systems per la Gestione e il Governo del Territorio", Napoli, 16/11/2011, a cura di B. Cardone, F. Di Martino, S.Sessa, Aracne Editrice S.r.l., Vol. 448, 2012, pp. 205-210. DOI:10.4399/978885485673817.

Year: 2012

Authors: **P. D'Amico, F. Di Martino, S. Sessa**

Title: Indicatori per la Mobilità sostenibile, la Provincia di Napoli, 2011 (2011). Tema. Journal of Land Use, Mobility and Environment, 4(2) DOI: 10.6092/1970-9870/235

Year: 2011

Authors: **B. Cardone, F. Di Martino, Garofalo, S. Sessa, O. Ventura**

Title: Uso di tecnologia GIS come strumento di supporto alla pianificazione urbanistica
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Year: 2011

Authors: **V. Cortese, P. D'Amico, F. Di Martino, R. Mari, F. Napolitano, G. Palma, S. Sessa, F. Sgariglia, M. Soravia**

Title: *Il GIS come sistema di supporto alle decisioni per la pianificazione della mobilità sostenibile in un caso studio, in"GIS DAY 2010. I Geographical Information Systems per la Gestione e il Governo del Territorio", Napoli, 17/11/2010, a cura di S. Sessa, Aracne Editrice S.r.l., Vol. 285, 2012, pp. 127-140. DOI: 10.4399/97888548445448.*

Year: 2011

Authors: **F. Di Martino, L. Scarpa, S. Sessa**

Title: MapReduce per la gestione della propagazione dei cambiamenti su geo–banche dati distribuite per il progetto ETHOS. GIS Day 2010 pp. 173-196 (ottobre 2011); ISBN 978–88–548–4284–7; DOI 10.4399/97888548428473 (2011)

Year: 2011

Authors: **B. Cardone, F. Di Martino, R. Esposito, R. Mele, S. Sessa**

Title: Un GIS per il Comune di Castellammare di Stabia (NA): analisi di accessibilità e verifica del posizionamento delle infrastrutture per ottimizzare l'asservimento al tessuto urbano, in "GIS DAY 2009. I Geographical Information Systems per la Gestione e il Governo del Territorio", Napoli, 18/11/2009, a cura di S. Sessa, Aracne Editrice S.r.l., vol. 285, 2010, pp.49-75. DOI: 10.4399/97888548333264.

Year: 2010

Authors: **B. Cardone, F. Chianese, F. Di Martino, A. Esposito, G. Pannullo, S. Sessa, G. Vitiello**

Title: Creazione di un Sistema Informativo Territoriale per le occupazioni di suolo pubblico nella Municipalità 1 del Comune di Napoli, in "GIS DAY 2009. I Geographical Information Systems per la Gestione e il Governo del Territorio", Napoli, 18/11/2009, a cura di S. Sessa, Aracne Editrice S.r.l., vol. 285, 2010, pp. 77-84. DOI: 10.4399/97888548333265.

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Authors: **B. Cardone, F. Di Martino, S. Sessa**

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Year: 2009

Authors: **F. Di Martino, A. Graziato, M. Giordano, S. Sessa**

Title: Uso di tecnologia GIS per l'analisi del degrado di beni archeologici e/o architettonici, in "Sistemi Informativi Territoriali. Varie Applicazioni per la Gestione e il Governo del Territorio", GIS DAY 2008 ((Napoli, 19/11/2008), a cura di S. Sessa, Aracne Editrice S.r.l., vol. 137, 2009, pp. 71-78. ISBN: 9788854826892.

Year: 2009

Authors: **F. Di Martino, S. Sessa**

Title: Un approccio sperimentale all'analisi di rischio per l'area vesuviana con l'uso del software FUZZY-SRA, Proceedings of MTSID'06 (Metodi, Modelli e Tecnologie dell' Informazione a Supporto delle Decisioni, Procida, 28-30/9/2006), Edizioni Franco Angeli, Milano, (2008), pp. 98-104. ISBN: 97888464838122008

Year: 2008

Authors: **F. Di Martino, C. Peduto, B. Cardone, S. Sessa**

Title: Un GIS per il PIT Paestum - Velia in Campania, Atti del Convegno INU "L'Urbanistica Digitale", terza giornata annuale (Napoli, 27/11/2006), a cura di F.D. Moccia, Edizioni Scientifiche Italiane, (2008), pp. 281-291. ISBN: 9788849515978

Year: 2008

Authors: **F. Di Martino, S. Sessa, B. Cardone et al..**

Title: Progettazione e costruzione di un SIT come strumento di analisi spaziale integrata ai fini delle analisi dei Piani di Intervento Territoriale per i Comuni dell'area TESS, Atti del Convegno INU "Visioni di Territori: dalle Utopie agli Scenari", seconda giornata annuale di studi (Napoli, 14/11/2005), a cura di F. D. Moccia, Urbanistica Dossier, n. 89, (2006), 244 – 247. ISSN 11288019.

Year: 2006

Authors: **F. Di Martino, M. Giordano, S. Sessa**

Title: Processo di valutazione di affidabilità di un GIS, Proceedings of MTSID'04 (Metodi, Modelli e Tecnologie dell' Informazione a Supporto delle Decisioni, Benevento, 24-25/6/2004, (2006), 359 – 367, ISBN: 88464744062006

Year: 2006

Organization of international conferences

Special session organisers	**I. Perfilieva, M. Stepnicka, F. Di Martino, S. Sessa**
Proceedings	HPCS – 2017 - The 2017 International Conference on High Performance Computing & Simulation, The 15th Annual Meeting, July 17 – 21, 2017 Genoa, Italy. S09: Special Session on Fuzzy-based Simulation Approaches in Science and Engineering. International Program Committee.
Year	2017
Special session organisers	**I. Perfilieva, M. Stepnicka, F. Di Martino, S. Sessa**
Proceedings	IFSA EUSFLAT – LFA 2015, European Society for Fuzzy Logic and technology, 30-junr-13 july 2015, Gijón, Asturias (Spain) S10: Fuzzy relations, functions and transforms: applications in data processing
Year	2015
Special session organisers	**I. Perfilieva, M. Stepnicka, F. Di Martino, S. Sessa**
Proceedings	IFSA EUSFLAT – LFA 2013, European Society for Fuzzy Logic and technology, 11-13 sept 2013, Università di Milano Bococca (Italy) S10: Fuzzy relations, functions and transforms: applications in data processing
Year	2013
Special session organisers	**F. Di Martino, I. Perfilieva, S. Sessa**
Proceedings	2011 IFSA World Congress AFSS International Conference, 21-25 june 2011, Surabaja and Bali Islands, Indonesia, Session OS02: Fuzzy functions, relations and fuzzy transforms: applications to fuzzy systems
Year	2012
Special session organisers	**I. Perfilieva, M. Stepnicka, F. Di Martino, S. Sessa**
Proceedings	IFSA EUSFLAT – LFA 2011, European Society for Fuzzy Logic and technology, 18-22 july 2011, Aix les Bains, France, Session S10: Fuzzy relations, functions and transforms: applications in data processing
Year	2011
	Editor in International journals
Guest editors	**F. Di Martino, I. Perfilieva, S. Sessa**
Journal	Advances in Fuzzy Systems

Special issue	Special Issue: Fuzzy Methods in Data Analysis 2015, DOI: 10.1155/2015/957856
Year	2015
Guest editors	**F. Di Martino, I. Perfilieva, S. Sessa, S. Senatore**
Journal	Advances in Fuzzy Systems
Special issue	Special Issue: Fuzzy Methods and Approximate Reasoning in Geographical Information Systems 2014, DOI:10.1155/2014/840297
Year	2014
Guest editors	**F. Di Martino, I. Perfilieva, S. Sessa**
Journal	Advances in Fuzzy Systems
Special issue	Special Issue: Fuzzy Functions, Relations, and Fuzzy Transforms: Theoretical Aspects and Applications to Fuzzy Systems 2013, DOI:10.1155/2011/296431
Year	2013
Guest editors	**F. Di Martino, I. Perfilieva, S. Sessa**
Journal	Advances in Fuzzy System
Special issue	Special Issue: Fuzzy Functions, Relations, and Fuzzy Transforms: Theoretical Aspects and Applications to Fuzzy Systems 2012, DOI:10.1155/2012/640951
Year	2013
Guest editors	**F. Di Martino, S. Sessa**
Journal	Information Sciences
Special issue	Special Issue: Fuzzy Relation Equations: New Trends and Applications, vol. 234, DOI: 10.1016/j.ins.2013.03.001
Year	2013
Guest editors	**F. Di Martino, I. Perfilieva, S. Sessa**
Journal	Advances in Fuzzy Systems
Special issue	Special Issue: Fuzzy Functions, Relations, and Fuzzy Transforms: Theoretical Aspects and Applications to Fuzzy Systems 2011, DOI:10.1155/2011/295164
Year	2012

Organization of national conferences

Organizers: Proceedings	**B. Cardone, F. Di Martino, S. Sessa** Conference GIS Day 2015 – Università degli Studi di Napoli Federico II,

	Department of Architettura, Napoli, Italy, 23-11-2015
Year	2015
Organizers:	**B. Cardone, F. Di Martino, S. Sessa**
Proceedings	Convegno GIS Day 2014 – Università degli Studi di Napoli Federico II, Department of Architettura, Napoli, Italy, 19-11-2014
Year	2014
Organizers:	**B. Cardone, F. Di Martino, S. Sessa**
Proceedings	Convegno GIS Day 2013 – Università degli Studi di Napoli Federico II, Department of Architettura, Napoli, Italy, 20-11-2013
Year	2013
Organizers	**B. Cardone, F. Di Martino, S. Sessa**
Proceedings	Convegno GIS Day 2012 – Università degli Studi di Napoli Federico II, Aula Magna facoltà di Architettura, S. Demetrio e Bonifacio, Napoli, Italy,14-11-2012
Year	2012
Organizers	**B. Cardone, F. Di Martino, S. Sessa**
Proceedings	Convegno GIS Day 2011 – Università degli Studi di Napoli Federico II, Aula Magna facoltà di Architettura, S. Demetrio e Bonifacio, Napoli, Italy, 16-11-2011
Year	2011

Educational Pubblications

Authors:	**F. Di Martino, S. Sessa, B. Cardone**
Title:	*Le funzionalità del tool ESRI/ARCVIEW*, Aracne editrice, pag. 136, 2011, ISBN: 978-8854841307
Year:	2011
Authors:	**F. Di Martino, S. Sessa**
Title:	Le funzionalità ArcMap, ArcCatalog e ArcToolBox del tool ESRI/ARCGIS, Aracne editrice, pag. 388, 2011, ISBN: 978-88-548-3763-8
Year:	2011
Authors:	**F. Di Martino, M. Giordano**
Title:	I sistemi informativi territoriali – teoria e metodi, Aracne editrice, pag. 440, 2005, ISBN: 88-548-0172-0
Year	2005
Authors:	**F. Di Martino, M. Giordano, S. Sessa**

Title:	Database relazionali e architetture dei RDBMS, Aracne editrice, pag. 152, 2006, ISBN: 88-548-0583-1.
Year	2005

Teaching experience

Academic teaching activities

- Official teacher of *matemathics and computer science applications in City Planning and Artchitecture*, degree course degree course: "Scienze dell'Architettura", Department of Architecture, Università degli Studi di Napoli Federico II, academic year: 2015-2016, 2016-2017.

- Official teacher of *computer science*, degree course: degree course: "Scienze dell'Architettura", Department of Architecture, Università degli Studi di Napoli Federico II, academic years: 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2011-2012.

- Official teacher of *essentials in computer science*, degree course: "degree course: "Scienze dell'Architettura", Department of Architecture, Università degli Studi di Napoli Federico II, academic years: 2005-2006, 2006-2007.

- Official teacher of *computer science technologies for applications in Architecture*, degree course: "Scienze dell'Architettura", Department of Architecture, Università degli Studi di Napoli Federico II, academic years: 2003/2004, 2004/2005.

- Teacher of *essentials in computer science*, degree course: degree course: "Scienze dell'Architettura", Department of Architecture, Università degli Studi di Napoli Federico II, academic years: 2001/2002, 2002/2003.

- Teacher of *essentials in computer science*, degree course: degree course: "Scienze dell'Architettura", Department of Architecture, Università degli Studi di Napoli Federico II, academic years: 2001/2002, 2002/2003.

- Teacher of *advanced methods and techniques in GIS* in the postgraduate completion course "Sistemi Informativi Territoriali per la Gestione di Sistemi Urbani e Sistemi Complessi", department of Architecture, Università di Napoli Federico II from the academic year 2004-2005 to the academic year 2015-2016.

Other institutional teaching activities

- Official teacher of advanced *GIS method and techniques*, in the high school master "Sistemi Informativi e Governo del Territorio" PQ FSE 2007-2013 Regione Campania academic years: 2010-2011, 2011-2012,2012-2013,2013-2014,2014-2015.

- Official teacher of *Geographical Information Systems*, Information and Communication Technology (ICT), course 03, *essentials in computer science* f*or data management, elaboration and analysis for applications in Architecture,* (Measure 6.4 POR Campania 2000-2006), academic year: 2003-2004.

Activity of referee for International journals	He is referee for numerous International journals in computer sciences, as:

- o Fuzzy Sets and Systems
- o IEEE Transactions on Fuzzy Systems
- o IEEE Transactions in Image Processing
- o Information Sciences
- o International Journal of Approximate Reasoning
- o Advances in Fuzzy Systems
- o Expert Systems with Applications
- o Knowledge Based Systems
- o Soft Computing
- o Ambient Intelligence
- o International. Journal of Uncertainty, Fuzziness & Knowledge-Based Systems
- o Neural Network world Journal
- o Journal of engineering and Technology
- o Journal of Computers
- o Mathematical Communications

Lecturer in international proceedings	He also participated as a speaker at numerous national and international proceedings, including:

- o WILF-2016 -11-th International Workshop on Fuzzy logic and Applications, Cetara, Salerno (Italy), December 19-21, 2016
- o CCPS-2016 -2-th International Conference on Data Compression, Communication Processing and Security, Cetara, Salerno (Italy), September 22-23, 2016

- o EUSFLAT – LSA 2015 – European Society for Fuzzy Logic and Technology, Gijòn, Asturies (Spain) 30/06-03/07/2015
- o INCoS-2014 - 6-th International Conference on Intelligent Networking and Collaborative Systems, Salerno (Italy), September 10-12, 2014.
- o EUSFLAT – LSA 2013 – European Society for Fuzzy Logic and Technology, Milano (Italy), 11-13/09/2013
- o EUSFLAT – LSA 2011 – European Society for Fuzzy Logic and Technology, Aix Les Bains (France), 18-22/07/2011
- o ICCSA 2011 – 11th International Conference of Computational Science and Its Application, Santander (Spain) 20-23/06/2011
- o EUSFLAT – LSA 20009 – European Society for Fuzzy Logic and Technology, Lisbona (Portugal), 20-24/07/2009
- o EVOWorkshop 2008 (EVOIASP) – Napoli 26-28/03/2008
- o Workshop GIS DAY 2016 (Napoli, 14/11/2016)
- o Workshop GIS DAY 2015 (Napoli, 12/11/2015)
- o Workshop GIS DAY 2014 (Napoli, 19/11/20149
- o Workshop GIS DAY 2013 (Napoli, 20/11/2013)
- o Workshop GIS DAY 2012 (Napoli, 19/11/2012)
- o Workshop GIS DAY 2011 (Napoli, 16/11/2011).
- o Workshop GIS DAY 2010 (Napoli, 17/11/2010).
- o Workshop GIS DAY 2009 (Napoli, 19/11/2009).
- o Workshop GIS DAY 2008 (Napoli, 19/11/2008).
- o International Proceedings MTISD '06 – Metodi, Modelli e Tecnologie dell'Informazione a Supporto delle Decisioni (Università del Sannio,Benevento, 20-25/09/2010).
- o International Proceedings MTISD '06 – Metodi, Modelli e Tecnologie dell'Informazione a Supporto delle Decisioni (Procida, 28-30/09/2006).
- o International Proceedings MTISD '04 –Metodi, Modelli e Tecnologie dell'Informazione a Supporto delle Decisioni (Università del Sannio, Benevento, 24-26/06/2004).

Supervisor of degree and phD thesis	
PhD:	Graziato Annarita
Thesis title:	*La carta del rischio locale dei beni culturali: una sperimentazione con l'utilizzo di tecnologie GIS .*
University/Department:	University of Naples Federico II (Italy), department of Architecture
Year:	2010
Web page:	http://www.fedoa.unina.it/8072/

keywords:	GIS, spatial analysis, spatial databases, risk of degradation of architectural heritage.
awards:	Winner of the ETIC AICA prize e dal Rotary of in computer ethics: "I giovani e le scienze (http://mondodigitale.aicanet.net/2012-2/giovanitalenti/ETIC.pdf)
phD:	D'Amico Pietro
Thesis title:	*Il GIS come sistema di supporto alle decisioni nel monitoraggio dei piani urbanistici. Caso studio: la mobilità sostenibile nel PTCP della Provincia di Napoli.*
University/Department:	University of Naples Federico II (Italy), department of Architecture
Year:	2010
Web page:	http://www.fedoa.unina.it/8002/
Keywords:	GIS, spatial analysis, sustainable mobility, AHP and Fuzzy AHP multicriteria approaches
PhD:	Cardone Barbara
Thesis title:	*Un GIS come strumento di supporto alle decisioni per migliorare la stima OMI degli immobili: analisi di prossimità ai servizi. Sperimentazione su alcuni edifici del comune di Napoli.*
University/Department:	University of Naples Federico II (Italy), department of Architecture
Year:	2013
Web page:	http://www.fedoa.unina.it/9478/
Keywords:	GIS, spatial analysis, OMI estate value estimation, fuzzy systems, fuzzy sets and fuzzy number applications.
PhD:	Gravagnuolo Antonia
Thesis title:	*La valutazione dei paesaggi culturali. Approcci e strumenti per la tutela e valorizzazione dei sistemi terrazzati.*
University/Department:	University of Naples Federico II (Italy), department of Architecture
Year:	2015
Web page:	http://www.fedoa.unina.it/10443/

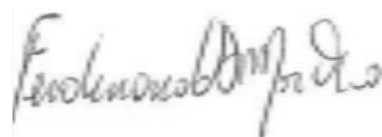|	
Keywords:	GIS, spatial analysis, geoprocessing algorithms for terraced areas detection.
PhD:	Vlasnek Pavel
Thesis title:	*Inpainting method based on the F-transform.*
University/Department:	University of Ostrava (Czech Republic), Faculty of Science, Department of Informatics and Computers
Year:	2015
Web page:	http://irafm.osu.cz/f/PhD_theses/Vlasanek.pdf
Keywords:	F-transform algorithms for image analysis,F-transformapproaches for image reconstruction and inpainting.
phD:	Mele Roberta
Thesis title:	*Il valore sociale dei servizi ecosistemici: tra valutazione e pianificazione.*
University/Department:	University of Rome la Sapienza (Italy), department of Architecture
Year:	Still in progress
Web page:	
Keywords:	GIS, SDSS, multicriteria analysis, Type-1 and Type-2 fuzzy sets multicriteria algorithm in spatial decision systems .
phD:	Cristiano Sofia, lanza Luana
Thesis title:	*Un GIS per il restauro architettonico dell'ex ospedale psichiatrico di Aversa – la Maddalena*
University/Department:	University of Naples Federico II (Italy), department of Architecture
Year:	Still in progress
Web page:	
Keywords:	GIS, spatial databases , spatial analysis, spatial database for the restoration of architectural heritage.

Data   12/06/2017   Luogo   Casoria (NA)

Firma