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SHORT CURRICULUM

Graduated with full marks and honours in *Civil and Building Engineering* at the University of Naples *Federico II* in 1989, taken up Town and Regional Planning, he got *Master*, with full marks in *Urban and Architectural Design* at Faculty of Architecture, University of Naples *Federico II* in 1993 and took *PhD* in *Town and Regional Planning* at University Roma *La Sapienza* in 1997. In 1998-1999 benefited of a Post-doctorate scholarship and in 2000 of research scholarship. From the academic year 2001-2002 he taught under contract Town planning and, from 2003, Regional planning at Faculty of Engineering of Second University of Naples until 2005-2006. From 2005-2006 was a temporary teacher of Town and Regional Planning at Faculty of Engineering of Second University of Naples. Since 2006 is Researcher of Technique and Urban Planning at Second University of Naples, joins to Civil Engineering Department from 2006 to 2012 and to Civil Engineering, Industrial Design, Building and Environment Department from 2013. From 2017 is *Associate Professor* of Urban and Regional Planning, from 2018 gains National Scientific Qualification as full Professor and joins Engineering Department.

COURSES OF STUDY AND RESEARCH

Associate Professor of Urban and Regional Planning (ICAR 20) at University of Campania *Luigi Vanvitelli* from 2018 gains National Scientific Qualification as full Professor and joins Engineering Department. In 1989 he graduated with honours in Building Civil Engineering at Naples University *Federico II*, course of study in Urban and Territorial Planning, in 1993 he specialized in Urban Planning and in 1997 he took his doctorate in Urban and Territorial Planning (VIII cycle) at Rome University *La Sapienza*. In the biennium 1998-1999 he was Post-Doctorate scholarship holder and in 2000 he obtained a research grant. Ever since university studies, his training in territorial and urban studies subjects was enriched by the experience of a scholarship from the European Community for the development of common programmes of study between high education institutes of the member states on the subject: Suburbs Rearrangement, banlieues operation. Immediately after his degree, he felt the importance of knowing some basic disciplines to make research and project experimentation on territory and town. In this regard the triennial specialization finds its place in Town Planning Design. The study and the investigation of the shift scale between Architecture and Town Planning, with applications on the field, has further reinforced the awareness of the interscale and interdiscipline character of all the interventions of urban and territorial transformation, adding to the know-how of the engineer some new subjects too, which are typical of the studies of the architect. Remarks on the development and transformation processes of the territory and cities find a further chance of growth on the occasion of the participation in C.N.R. "Habitat, urbanistica e innovazione tecnologica nei paesi in via di sviluppo dell'area mediterranea" (Habitat, Town Planning and Technological Innovation in Developing Countries of the Mediterranean Area). Once socio-economic and cultural references of the developed countries have been removed, some considerations which were considered as acquired in the analysis of the European town reveal their partiality and explanatory inadequacy in comparison with the Islamic town and compel to reformulate analytical models more related to contexts and to identify the applicability field of each cognitive model. The trend of comparative studies finds a new international chance with the participation to the research by the title: An international comparative approach for landscape restoration in medium-sized cities aimed at preserving local, natural and cultural characteristics for global sustainability, which has begun in 2005. After attending the Research doctorate in Urban and Territorial Planning at Rome University *La Sapienza*, the theoretic reflection grows stronger through the comparison with many representatives of contemporary town planning culture, urging further scientific curiosities about the structure of the disciplinary know-how too and opening to cross-readings of urban phenomena, even though they can be traced back to the specific research scope for their objectives and operative finalities. Under this point of view the papers: S. Losco (edited by), *Teoria e Tecnica nella Pianificazione Urbanistica. Tradizione e Innovazione. Documenti per un Dibattito (Theory and Technique in Town Planning. Tradition and Innovation. Documents for a Debate)*. Poseidon Editore, Naples, 2003, *Nuove Forme del Piano e Partecipazione. Processo delle decisioni e responsabilità della cittadinanza. Atti del convegno. Napoli, 7 Giugno 2002 (New Forms of the Plane and Participation. Decision Making and Citizens' Responsibility. Records of the Meeting. Naples, June 7 2002)*, Poseidon Editore, Naples, 2004 and the doctorate thesis by the title *Le periferie urbane della città contemporanea europea (Urban Suburbs of the European Contemporary City)* can be placed. The last work examines the urban dynamics of the suburbs of contemporary cities, placing them within a close observation of requalification policies with an interpretation too of the contribution of recent town plannings; it recalls building logics of the anthropic space; it proposes interpretative descriptions; it makes use of previous scientific experiences entering an ideal line of research

aimed at decomposing and understanding the transformation rules of human settlements. The firm belief that international comparisons are always useful to verify acquisitions of disciplinary research, which matured on the occasion of the research trip in Tunisia, for C.N.R. research: *Habitat, urbanistica e innovazione tecnologica nei paesi in via di sviluppo dell'area mediterranea*, consolidated by attending some university and administrative institutions; it was repeated attending the third Aesop PhD Research Workshop at the University of Strathclyde, in Glasgow, UK, while he was drawing his Doctorate thesis. The urban scale investigations of his doctorate thesis come alongside with the implications of the wide area readings of the Post-Doctorate research and of the Research Grant, developed at the Department of Civil Engineering of the Faculty of Engineering of the Second University of Naples, on *Criteri di perimetrazione dell'Area Metropolitana - Il caso Napoli-Caserta* (Perimetration Criteria of Metropolitan Area – The case Naples-Caserta) and *Il ruolo della conurbazione aversana nell'ambito dell'area metropolitana centrale campana* (The Role of Aversa Conurbation in the Frame of Campania Central Metropolitan Area), respectively. The Former aims at formalizing a methodology for the perimetration of the metropolitan area linked at its functional reorganization, to be built according to possible alternatives deriving from the different transformation perspectives of present conurbation. The latter aims at analyzing the role of Aversa conurbation (homogeneous functional sub-area) in the frame of Naples' metropolitan area in the firm belief that recognizing and interpreting Aversa area bases its interest on the comparison and on the integration between the invariants which define the generalities of the problem of metropolitan areas and local variables which identify the specificities of the single homogeneous subunits. Some scientific collaborations and advice have allowed reflections and conceptualizations which have further contributed to his education in town and territorial studies. With field application, these chances have investigated new intervention techniques before theoretic elaborations and have tried to relate theory and discipline praxis.

A particular mention has to be made to:

- scientific advice with the Town Planning Department of the University Federico II on the Study about Emerging Analyses Methodologies on the Territory of Marcianise (Ce), with particular reference to infrastructures, equipment and services and to dimensioning criteria;
- the competition and following drawing of the Building Regulations and Colour Plan of the city of Caivano (Na);
- the participation to the III International Workshop of Design Napoli Architettura e Città (Naples, Architecture and City);
- the winning of the National Competition for ideas and preliminary designing of the Landscape, Natural and Archaeological Park of the River Cosa and of the Ancient Moles;
- the participation to the international competition The reconstruction of the Souks of Beirut;
- the scientific advice and the drawing up of three detailed plans for the Municipality of Marcianise (Ce), in the frame of the advice Convention between the Town Planning Department of the University *Federico II* and U.T.C. (Coordination Territorial Unit);
- the scientific advice to Campania Region P.O.P. research project - 1994-1999 - Subprogramme 5 - Measure 5.4 - Action 5.4.2. Vesuvius Risk, research project of the Departments of Geophysics and Vulcanology, Town Planning, Transport Engineering, Analysis and Structural Designing, Biomorphological and Functional Sciences, Interhuman Communication and of the Institute of Public Medicine and Social Security, of the University of Naples Federico II, which has offered the chance to reflect at territorial scale on the Recognition Methods of Hierarchies of urban centers belonging to homogeneous territorial scopes;
- the scientific advice to Campania Region P.O.P. research project - 1994-1999 - Subprogramme 5 - Measure 5.4 - Action 5.4.2. Typological-structural Analysis of Campania Building aiming at defining a suitable recovery method of the building heritage: the case of Aversa city, research project of the Department of Civil Engineering of the Faculty of Engineering of the Second University of Naples. The study of a historical center of particular discipline interest connects more strictly town planning issues to technological and static features of buildings. The impossibility of disciplinary narrow-mindednesses, which have been rejected by the real urban transformations and a conference of disciplines can be formulated, which in various ways contribute to the continuous changes of the city;
- the scientific advice to the convention between the Department of Civil Engineering of the Second University of Naples and Locat spa for Designing and Realizing a Training Course on Technical Inquest in Estate Leasing and for Supplying a Glossary of the Most Frequently Used Technical Terms in Estate Leasing. For the latter, the undersigned has edited the drawing up of the chapters: Town Planning Elements and Outlines of Building Legislation, which are in the Glossary of technical terms;
- Scientific advice for PUC (Piano Urbanistico Comunale – Municipal Town Plan) and for RUEC

(Regolamento Urbanistico Edilizio – Building Town Planning Regulation) of the municipality of Terzigno (Na), first scheme of Naples Province to be drawn according to Regional Law nr. 16/2004, new Law on the Administration of the Territory of Campania Region.

The subjects of town planning of metropolitan systems, of P.V.S., of territorial environmental planning, of territorial recovery and requalification, of the structure of the disciplinary know-how represent the main trends to be directed by Research. Reading urban and territorial transformations of human settlements through the perspective of the wide area and focusing on urban area come alongside with the formulation of interpretative methods and with the identification of their field of applicability-existence as well as with town planning tools to address their changes. The basic belief is the formalization of techniques in the praxis, which represent the synthesis between scientific research and questions made by the general public to the professional figure of the planner.

Since the first year after his degree, university education, research activity, discipline praxis by the participation to competitions and some applicative experiences went alongside with university teaching activity which realized in the collaboration to courses of Town Planning Designing by Prof. Loreto Colombo at the Faculty of Engineering of the University of Naples Federico II, from the degree to 1997, and Town Planning Technique (a.y. 2003-2004); for a single academic year to the course of Town Planning I and II of Prof. Biagio Cillo at the Faculty of Architecture of the University of Naples Federico II and from 1997 to 2001 to the course of Town Planning Technique made by Prof. Loreto Colombo at the Faculty of Engineering of the Second University of Naples with supplementary lessons, support to practice and degree thesis. From the academic year 2001-2002 until the a.y. 2005-2006 he was indentured professor at the Faculty of Engineering of the Second University of Naples for the courses of Town Planning Technique of the degree in Civil Engineering and Territory and Environmental Engineering and of the course of Territory Planning of the specialist degree in Civil Engineering and Territory and Environmental Engineering and of the course on Territory Planning of the specialist degree in Civil Engineering and Environment and Territory Engineering. Since the a.y. 2006-2007 he is Substitute Professor for the courses on Urban Technique, Urban planning, Territory Planning and Urban Planning and Techniques of the three-year degree, specialist degree and 5-year degree (DM 504/99 - DM 270/04) at the Faculty of Engineering of SUN.

Since 1998 he is member of the Town Planning Study Center of Naples, since 2000 he is INU member and since 2002 he is SIU (Società Italiana Urbanisti - Italian Society of Urban Planners) member. Since 2006 he participate to C.I.R.I.A.M. (Interdepartmental Center of Research in Environmental Engineering).

SCIENTIFIC ACTIVITY

His activities of Scientific Research intersect with those of Scientific Advice for some public bodies institutionally in charge of the Government of the Territory

1984-1985 Preparatory studies and research for attending the Corso di Perfezionamento della Comunità Europea (European Community Specialization Course) for the development of common study programmes between high education institutes of the European Community Member States, on the town planning development of the city of Paris under the direction of *Prof. Arch. Elvira Petroncelli*;

1989 - 2004 Scientific activity under the direction of Prof. Arch. Loreto Colombo dealing with territorial and urban transformation;

1990 - 1994 Collaboration with *Prof. Ing. Corrado Beguinot* and with the Research group he directs dealing with the problems concerning the spread of products, processes and systems of technological innovation and subsequent urban and territorial transformations, CNR e MURST projects;

1991 - 1993 Collaboration with *Prof. Arch. Giancarlo Mainini* on subjects of urban designing with some project experiments on the city of Naples;

1991 - 1994 Participation to C.N.R. Research on the subject: Habitat, Urbanistica e Innovazione Tecnologica nei Paesi in via di Sviluppo dell'Area Mediterranea: formazione e Ricerca (Habitat, Urban Planning and Technological Innovation in the Developing Countries of the Mediterranean Area: Education and Research), directed by *Prof. Arch. Elvira Petroncelli* whose results have been published. Study quoted, C. Gasparrini, Il Maghreb in: Mediterraneo. Città, territorio, economie alle soglie del XXI secolo in: Vol. II, Cresme, 1995, Roma, Review on Costruire n. 144/95;

1994 - 1997 Research activity aimed at inquiring into the problems of urban suburbs focusing the attention on the causes and on the possibilities of intervention for the requalification of these areas, directed by the Teaching Staff of the Research Doctorate in Urban and Territorial Planning of the Faculty of Architecture of the University of Rome La Sapienza, made up by *Profs. Malusardi (coordinator), Calzolari, Garano, Imbesi, Nigro and Nucci*;

1998 - 2000 Research by the title: *Criteri di perimetrazione dell'Area Metropolitana. Il caso Napoli-Caserta* (Perimeteration Criteria of Metropolitan Area – The case Naples-Caserta) in the frame of the activities of the Biennial Scholarship for Post-Doctorate Research Activities at the Department of Civil Engineering of the Faculty of Engineering of the Second University of Naples;

1998 - 2002 Scientific collaboration with *Prof. Arch. Attilio Belli*, director of the Urban Planning Department of the University of Naples *Federico II*, by the subject *Studio relativo alle metodologie di analisi emergenti nel territorio di Marcianise (Ce) con particolare riferimento alle infrastrutture, attrezzature e servizi ed ai criteri di dimensionamento* (Study about analysis methodologies emerging in the territory of Marcianise (Ce) with particular reference to infrastructures, equipment and services and to dimensioning criteria), in the frame of the agreement between the Municipality of Marcianise and the Department of Town Planning of the University of Naples Federico II dealing with the advice task at U.T.C. of Plan for drawing up the General Town Planning Scheme and R.E.;

1999 - 2002 Scientific advice for the Research Project: *Analisi tipologico-strutturale dell'edilizia storica campana finalizzata alla definizione di un corretto metodo di recupero del patrimonio edilizio: il caso della città di Aversa* (Typological-structural Analysis of Campania Building aiming at defining a suitable recovery method of the building heritage: the case of Aversa city), Campania Region P.O.P. research project - 1994-1999 - Subprogramme 5 - Measure 5.4 - Action 5.4.2. and Department of Civil Engineering of the Faculty of Engineering of the Second University of Naples

1999 - 2001 Scientific advice for drawing up the Variation to the General Town Planning Scheme of the Municipality of Marcianise (Ce). For the area destined to equipment of common interest, in the frame of the Agreement between the Municipality of Marcianise and the Department of Town Planning of the University of Naples *Federico II*;

2000 - 2001 Research by the title: *Il ruolo della conurbazione aversana nell'ambito dell'area metropolitana centrale campana* (The Role of Aversa Conurbation in the Frame of Campania Central Metropolitan Area), for the activities scheduled by the Grant for the collaboration and research activities (L. n. 449/97 art. 51 Paragraph 6) at the Department of Civil Engineering of the Faculty of Engineering of the Second University of Naples;

2000 - 2002 Scientific advice for the Research Project: *Rischio Vesuvio (Vesuvius Risk)*, Campania Region P.O.P. research project - 1994-1999 - Subprogramme 5 - Measure 5.4 - Action 5.4.2., and the Departments of Geophysics and Volcanology, Town Planning, Transport Engineering, Analysis and Structural Designing, Biomorphological and Functional Sciences, Neurosciences and Interhuman Communication and of the Institute of Public Medicine and Social Security, of the University of Naples Federico II, for the P.O.P. funding, annuity 1998-99;

2000 - 2002 Scientific advice for drawing the detailed plans of the Homogeneous Territorial Areas F2 Medical Facilities and F3 Equipment and sport plants and for spare time for the Municipality of Marcianise (Ce), in the frame of the Agreement between the Municipality of Marcianise and the Town Planning Department of the University *Federico II*;

2000 - 2002 Scientific advice for drawing the Plans of primary urbanization works of the Homogeneous Territorial Areas F2 Medical Facilities and F3 Equipment and sport plants and for spare time for the Municipality of Marcianise (Ce), in the frame of the Agreement between the Municipality of Marcianise and the Town Planning Department of the University Federico II;

2003 Scientific advice to the Agreement between the Department of Civil Engineering of the Second

University of Naples and Locat spa for Designing and Realizing a Training Course on Technical Inquest in Estate Leasing and for Supplying a Glossary of the Most Frequently Used Technical Terms in Estate Leasing, by editing the drawing up of the chapters: Town Planning Elements and Outlines of Building Legislation;

2004 Participation to the Faculty Research, Faculty of Engineering of the Second University of Naples, by the title: Web-Gis Applications in Data Management and Distribution and Cartographic Information, scientific manager: Prof. Eng. Nicola Crocetto;

2004 Scientific advice for drawing the Strategic Environmental Assessment and of the Municipality Town Plan of the Municipality of Terzigno (Na);

2005 Participation to the international research: An international comparative approach for landscape restoration in medium-sized cities aimed at preserving local natural and cultural characteristics for global sustainability, scientific manager: Prof. K. Takeuchi (Tokyo);

2005 Participation to the Faculty Research, Faculty of Engineering of the Second University of Naples, , by the title: Advanced techniques of data processing acquired by Gps, inertial systems and aerial photogrammetry, scientific manager Prof. Eng. Nicola Crocetto;

2005 - 2007 Participation to the International Research: InCom. International comparative approach for landscape restoration in medium-sized cities, aimed at conserving local and cultural characteristics for global sustainability: Germany - Italy - Japan, deepening landscape and environmental aspects of the Coordination Territorial Plan of the Province of Naples, of the Landscape Territorial Plan of Vesuvius Municipalities, of the Vesuvius National Park and of the Regional Park of Naples Hills, research coordinated by Prof. Kazuhiko Takeuchi University of Tokyo. With the participation of the Second University of Naples, the University of Naples Federico II, Chiba University, Kanazwa College of Art, University of Stuttgart;

2006 Participation to the Faculty Research, Department of Civil Engineering of the Second University of Naples, by the title: Remote sensing and techniques of automatic sensing, scientific manager Prof. Eng. Nicola Crocetto;

2006 Research manager for the drawing of the Strategic Environmental Assessment (LR n. 16/04 smi) of the Municipality of Terzigno (Na);

2007 Research manager of the ongoing Faculty Research, Department of Civil Engineering of the Second University of Naples, by the title: Urban suburbs of the city of Naples. Some application controls. The centrality of the issue of the requalification of the ordinary city, the one built from the heritage of additive and quantitate expansion of the last fifty years imposes a reflection on the ways (morphological, functional, economic, management ways) for the requalification of these wide parts of the city, but also less full of meaning and of values from the urban point of view. The suburbs are a huge disused area, and any attempt of requalification should be carried out with a philosophy in favour of a more mature consideration and more aware of the existing city and to the recovery of place meaning in city planning. A careful reflection on new planning and designing techniques, as well as on control and management techniques could make it possible to overcome the opposition between the supporters of public urbanization and the assertors of private urbanization, between the nostalgic persons of a traditional urban planning and the supporters of the other urban planning;

2008 Participation to the Research Project of Relevant National Interest 2007 (PRIN 2007) by the title: Multi-temporal Mapping and Analysis in Geo-spatial Information System for the Monitoring of Movements and Deformations of Areas subject to Territorial Risk, scientific coordinator Prof. A Capra, as Researcher of the Local Research Unit, with the research manager Prof. N. Crocetto, by the specific title: Innovative fuzzy logics-based models and methodologies of data analyses from high resolution sensors for the analysis, the identification, the control and characterization of the consequences of hydrogeological and seismic risk on Territorial Planning;

2008 Research manager of the Faculty Research, Department of Civil Engineering of the Second University of Naples, by the title: Urban and unlawful Suburbs: Urban and Environmental Requalification. The aim of the research is to study methods for a widespread and consensual requalification of border settlements of the big urban conglomerations, as we are aware that exploration at urban scale has technological implications in relation to the supply of urban planning works, of services, of building quality and of safety. If it is true that a reality of such a level and spread cannot wait to be acknowledged anymore. It is time to put an end to the silence on illegitimacies that have left material traces of an extraordinary extent trying to give quality back – as far as possible – to settlements that for their nature are already degraded from the beginning. The outcomes of the research could show themselves useful to the purposes of localized construction of new urban-building tools for urban requalification based on partnership, through the integration of competences and public and private financial resources and on the participation of the receivers;

2009 Scientific consultant for the drawing of the Municipal Urban Plan, of the Municipal Urban-Building Regulation and of the Strategic Environmental Assessment of the municipalities of Marcianise and of Maddaloni, with a particular attention to the reading of functional and environmental relationships between local settlement system, gravitational metropolitan sub-area and role in Naples-Caserta conurbation. The phenomenon of the metropolization without city, i.e. of the fast expansion of conglomerations without structures, lacking morphological-settlement models, of facilities and infrastructures, plays an important role in the definition of contemporary urban features. The scientific advice sets the following objectives:

- identification of parameters, criteria and methodologies for metropolitan municipality perimetrations;
- identification of criteria and methodologies for the subdivision of metropolitan municipalities in municipal and/or sub-municipal functional sub-areas;
- identification of the planning possibilities and methods for the requalification of metropolitan suburban urban systems with quantitatively and qualitatively satisfying proposals;

2009 Research manager of the ongoing Faculty research, Department of Civil Engineering of the Second University of Naples, by the title: Rebuilding of small town centers destroyed by the earthquake of 1980 in Campania and Basilicata: Laboratories of foundation towns. The research aims at reflecting on the rebuilding of small centers declared devastated after the earthquake of 1980 in Campania and Basilicata firstly with the purpose of contributing to the systematization of the documents relative to such event, particularly rich for the city of Naples and its metropolitan area, but very fragmentary for inner centers, which were heavily hit by the seism and affected by deep urban and territorial transformations during the reconstruction. The attention is mainly focused on the latter, in the attempt to decode reference principles and verify their effectiveness, the conditions of their transferability, useful information in the cases of widespread requalification and/or rebuilding with seismic improvement of existing urban settlements on the field or by laboratories of foundation towns. To this purpose it seems worthwhile:

- comparing urban conditions before and after the reconstruction for some representative and/or paradigmatic;
- recognizing cultural matrices taken as a reference in the reconstructions realized;
- highlighting problems they have left unsolved or, worse, they have caused ex-novo;
- analyzing technical-normative tools on which rebuilding was planned and managed;

2009 Scientific consultant for Territorial aspects of the Preliminary Document of the Territorial Development Plan of the 19 municipalities of STS E4 Sistema Aversano of Campania PTR , Leader Municipality Casapesenna, for the participation to the Call of Reciprocity Agreements provided in the Regional Implementation Programme of FAS (Fund for Underused Areas) 2007-2013 of Campania region;

2010 Scientific Consultant for the drawing of the Plan of the Park and of Management of the State Natural Reserve of Vivara Island with reference to the issues related to coordination problems between planning levels and sectors (wide area and municipal area, general and sectorial planning) (in progress);

2012 Scientific Consultant for the drawing of the Urban Implementation Plan for production settlements of the Municipality of Terzigno;

2012 Scientific Consultant for the drawing of a feasibility study of implementation of recovery areas of unlawful areas of the municipality of Terzigno (in progress);

His Research Activity makes also use of continuous exchanges with the Italian Scientific Community through the participation to conferences, workshops and meetings in the frame of National Research Units, while the exchange with the International Community is ensured by the participation to meetings and study journeys. In particular, the undersigned has made study journeys in France (1985), in Tunisia (1991) in the frame of the National Research Project: Habitat, Urbanistica e innovazione tecnologica nei PVS dell'area mediterranea: formazione e Ricerca, in Scotland (U.K.) Glasgow (1995), Kyoto (2006), Berlin (2006 - 2013), Santander (2010), Madrid (2011) at Bodies and University and Research Institutes in many Italian cities.