

**Tiziano Cattaneo**  
*Curriculum Vitae*  
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## 1. Academic Qualifications

2007 – present: **Assistant Professor/Researcher** in Architecture and urban design at the Department of Civil Engineering and Architecture, University of Pavia, Italy. [Ricercatore dal 2007 e confermato dal 2010, SSD ICAR/14].

2012 – present: **Visiting Associate Professor** at College of Architecture and Urban Planning, Tongji University, Shanghai, China.

2013 – present: **Founder Director** of China Lab. for Architecture and Urban Studies, which is operative in both, University of Pavia, Italy and Tongji University, China. [www.chinaurbanlab.com](http://www.chinaurbanlab.com)

2011 – present: **Founder and Principal Investigator** of Rural Architectural Intensification research group, University of Pavia, Italy. [www.raintesification.com](http://www.raintesification.com)

2016: **Co-Founder** of Core-A a think tank interdisciplinary group dedicated to research and design on a variety of subjects within contemporary architecture and urbanism, Milan-Shanghai-Boston. [www.core-a.info](http://www.core-a.info)

2016: **Director** of the Architecture and Landscape Construction Lab. (Laboratorio di Costruzione del Paesaggio e dell'Architettura – LCPa), Department of Civil Engineering and Architecture, University of Pavia, Italy.

2011 – 2016: **Founder and Partner** of the Research Institute for Architecture, Landscape and Territory Organization (RIALTO Ltd.) University Spin-off of University of Pavia for technological transfer.

### 1.1. Postdoc, research contracts and Graduate studies

2005 – 2006: **Postdoctoral Fellow** at the Department of Building and Territorial Engineering, University of Pavia, Italy.

2004 -2005: **Postdoctoral research assistant** at the Department of Building and Territorial Engineering, University of Pavia, Italy.

2004: **PhD in Building Engineering/Architecture**, Department of Civil Engineering and Architecture, University of Pavia, Italy.

2003: **Post-lauream degree** in *Social Science and Humanities*, Advanced School for Integrated Studies, Institute for Advanced Study of Pavia (IUSS), Italy.

1998: **Master in Architecture**, Faculty of Architecture, Polytechnic of Milan, Italy.

## 2. Scientific Awards and honors:

May. 2017: **Appointed Chair Professor** at College of Design and Innovation of Tongji University within the “1000 Talent Plan” of Shanghai, P.R. China. [starting from December 1<sup>st</sup>, 2017]

2017: **Appointed Evaluation Support Fellow in the Buildings contest** by the MIT Climate Co Lab of the Massachusetts Institute of Technology, Cambridge, Massachusetts USA. [Reference letter: Jennifer Perron, MIT Climate CoLab Community and Partnerships Manager, MIT Center for Collective Intelligence]

Feb. 2017: **Appointed ASCE 2016 Outstanding Reviewer** awarded by the editor of the *Journal of urban Planning and Development*, American Society of Civil Engineering.

Sept. 2016-Feb. 2017: **Recipient of the “Pavia-Boston Research Grant”**, awarded by the University of Pavia to support research visits of outstanding researchers and scholars at the Massachusetts Institute of Technology (MIT), Department of Urban Studies and Planning. . [Reference person at MIT-DUSP: Prof. Tunney Lee]

2016: **Appointed in the peer group of experts** as Catalyst for the Buildings Contest 2016 by the MIT Climate Co Lab of the Massachusetts Institute of Technology, Cambridge, Massachusetts USA. [Reference letter: Laur Fisher, Project Manager Climate CoLab, MIT Center for Collective Intelligence]

2015 Oct.: **Judges’ Choice Winner** of the Rural Resilience Contest, awarded by the Climate Co Lab of the Massachusetts Institute of Technology (MIT) Cambridge, Massachusetts USA, to outstanding international scientists who have explored innovative topics in their scientific research areas to advance climate change solutions.

2015 Aug.: **Appointed Italian excellence for innovation** in best practice research in rural-urban studies awarded by the Italia Camp Foundation with the Italian Pavilion Expo Milan 2015 and the Minister of Agriculture, Forestry and Environmental Policies (Mipaaf).

2013 – 2015: **Appointed Technical Fellow** by Tongji Architectural Design (Group) Co.,LTD, Shanghai, China, for the specific project of the Chinese Corporate United Pavilion at Expo Milan 2015.

2013 – 2014: **Appointed (two times) Research Expert** within the China’s Recruitment Program of High-end Foreign Experts by The State Administration of Foreign Experts Affairs of China (SAFEA) for teaching and research period at the College of Architecture and Urban Planning, Tongji University, P.R. China. <http://en.safea.gov.cn>

2010: **First Prize Design Award as Tutor** at the International Design Workshop for the best project *The after use of Expo Shanghai 2010 site*, awarded by Institute for Advanced Study of Pavia (IUSS), Italy and Tongji University, P.R. China.

2005: **Special Mention Design Award as Tutor** at the International Design Seminar “Urban Culture and Landscape Renewal” for the project *Expo 2010 Shanghai Landscape renewal* awarded by Institute for Advanced Study of Pavia (IUSS) and Tongji University, P.R. China.

## 2.1. Awards in prominent Architectural design competition (2012-2016)

- He received 12 Prizes and Awards in national and international design competition of which in the last four years:

*June 2016: 1st Prize* for the project *The New House of Culture* awarded by Bergamo Province, for the design competition: The New House of Culture, San Giovanni Bianco, Italy. (with: G.D. Manzoni, E. Giorgi, P. Bacci).

*June 2014: 1st Prize* for the project *Territory Talent* awarded by Conact Market Entry Management GMBH Zum and Aareal Bank AG, for the design competition: Redevelopment of a shopping center, Villa Verucchio, Italy. (with: G.D. Manzoni, K. Liu, I. Delsante, E. Giorgi).

*February 2014: Winner Prize* for the project *Station stage* awarded by Zhuhai urban Construction Group Co. Ltd., for the design competition: 2014 Art project collection for Zhuhai modern tramcar stations, China. (with: M. Ni).

*December 2012: 2nd Prize ex-quo* for the project *Cotton Art Park, C.A.P.* awarded by Confindustria Bergamo, for the design competition: Re-use of disused industrial sites. Bergamo, Italy. (with: G.D. Manzoni, I. Delsante, N. Bertolino, E. Giorgi, A. Pennacchio, Rialto Ltd.).

### **3. Memberships and Affiliations (selected):**

2016 – 2017: **Academic Partner** of *10YFP Sustainable Tourism Programme* of the *United Nation World Tourism Organization* (UNWTO). <http://sdt.unwto.org/partners-10yfp-stp>

2015 - present: **Founder Member** of the *Association of Italian Scholars in Eastern China* of which the Honorary President is the Consul General of Italy in Shanghai.

2015 - present: **Research Fellow** at *UATC-lab., Urban and Architecture Theory & Criticism*, of College of Architecture and Urban Planning of Tongji University, Shanghai, P.R. China.

2013 - present: **University Research Affiliate** at the *Institute of Architecture and Urban Studies (IAUS)*, College of Architecture and Urban Planning, Tongji University, China.

2014 - present: **Member of the Advisory Board** of the *Dual Masters Degree Program in Building Engineering and Architecture* between University of Pavia, Italy, and College of Architecture and Urban Planning, Tongji University, China.

2010 – present: **Member** of the *National Association of University Teachers of Architectural Design (Pro-Arch)*, Italy. [Associazione Nazionale dei Docenti di Progettazione Architettonica].

2010 – present: **Member** of the *National Institute of Architecture - IN/ARCH*, Italy. [Founded by Bruno Zevi in 1959, with official headquarters in Rome and Milan, Italy.

2002 – present: **First Class Registered Architect** at the *National Architects Association* – Pavia province, Italy.

### **4. Honors and recent Invited Keynote speaker at international Conference and Symposia**

June 2017: **Keynote lecturer** at the Summer Workshop *From Design to the Building*, Tecnologico de Monterrey campus Leon, Mexico.

October 2016: **Chair** at the 3<sup>rd</sup> International Conference on Documentation, conservation and restoration of the Architectural heritage and Landscape protection, University of Pavia, Italy. Oct. 6 -8, 2016.

September 2016: **Invited speaker and selected paper** at the Third OIKONET Conference on Global Dwelling: Sustainability - Design – Participation, Grenfell-Baines Institute of Architecture, School of Art, Design and Fashion, University of Central Lancashire, Manchester, UK. Sept. 23, 2016.

October 2015: **Keynote speaker** at the Climate CoLab Winner Conference, Massachusetts Institute of Technology, Cambridge, Massachusetts USA.

August 2015: **Invited speaker** at *International Academic Conference. Expo as Eco-driver from Shanghai to Milan*, organized by Time+Architectural Journal and Stefano Boeri Architetti, Milan, Italy.

January 2015: **Invited speaker** at 10<sup>th</sup> Shanghai Biennale City Pavilion - Urban living room, Jing An Kerry Centre for contemporary art, Shanghai, China.

September 2014: **Invited keynote speaker** at the International Design Workshop “*Historic Urban Landscape. New Vision*”, Kazan State University of Architecture and Engineering, Russia.

December, 2013: **Selected speaker and selected project** at the conference “*Landscape design: engine of economic development*” organized by Italian Association of Landscape and Architecture, Contemporary Art Museum (MACRO), Rome, Italy. [with Giorgia Zurla].

August 2008: **Lectio Magistralis** at *Conferencia Magistrales: Intervenciones en Arquitectura Patrimonial*, Faculty of Cultural Heritage Studies, International University SEK, Santiago, Chile.

## 5. Research Project Leadership and Scientific activities

### 5.1. International and national Research Projects (selected):

2017 – 2020: **Principal Investigator of the “1000 Talent Plan”** project on *Environmental design, social engagement and sustainability* funded by The Recruitment Program for Foreign Experts, The State Administration of Foreign Experts Affairs of China P.R. China [December 1<sup>st</sup> 2017 – September 2020]

2015 – 2017: **Scientific Coordinator and Proposer** of two Erasmus Plus Inter-institutional Agreement, Key Action 1, subject area *ISCED 073 – Architecture and Construction*, between University of Pavia - Tongji University and Kunming University, China, funded by European Community.

2013 – 2014: **Principal Investigator** of the project *JADE. Pavia-Shanghai Joint Architectural Design Studio* within the International Program for Higher Education and Staff Mobility, funded by University of Pavia.

2011 – 2013: **Principal Investigator** of the Pavia Unit of the project “*Regeneration and renewal of rural landscape. Design strategies in the surroundings of new urban centres*”, funded by The Italian Ministry of Education, University and Research, National Research Program PRIN-MIUR.

2012 – 2015: **Research Unit Member** of the project *REA Cariplo Foundation Project - Network of Excellence for Internationalization of education in the field of Architecture*, funded by Cariplo Foundation, Italy. (Coordinator: R. De Lotto)

2012 – 2014: **Member of the proposing team** of the project “*Dalla rete per la conoscenza al network per competere*” funded by Regione Lombardia within the program ERGON AZIONE 2 - "IRC-2011" Innovazione Ricerca Competitività. [Partner: Assimpredil Ance].

2010 – 2011: **Associated Investigator** of the project “*Il progetto della forma del territorio contemporaneo. Infrastrutture e disegno dello spazio pubblico per la rigenerazione delle aree periurbane*”. Progetti di Ricerca di Ateneo funded by University of Padova. (Coordinator: L. Stendardo)

2010 – 2011: **Associated Investigator** of the project MIUR - COOPERLINK 2010: International University Cooperation - A.F. 2010. *Experience in the projects of recovering and development of the cities and historical centres* funded by MIUR.

## 5.2. Organization of Scientific Meetings

2017: **Organizing committee and scientific committee Member** of the International design competition *Sustainable Tourism is Possible*, within the *10YFP Sustainable Tourism Programme* of the *United Nation World Tourism Organization (UNWTO)*. Tecnologico de Monterrey campus Leon (Mexico). . Mar. 2017 – Nov. 2017.

*December 2016: Scientific Coordinator and Co-Organizer* of the International research workshop “*Envisioning The Future Of Cities. Using Boston as a case study*” held at Massachusetts Institute of Technology (MIT), Department of Urban Studies and Planning. Boston-Cambridge, Massachusetts, USA. [Co-organizers: Prof. Tunney Lee (MIT-DUSP) and Antonio Di Mambro (former GSD-Harvard Loeb Fellow)]. Dec. 19-22, 2017.

2016: **Organizing committee and scientific committee Member** of the 3<sup>rd</sup> International Conference on *Documentation, conservation and restoration of the Architectural heritage and Landscape protection*, University of Pavia, Italy. Oct. 6 -8, 2016

2016: **Scientific committee Member** of the international conference *Regional Urbanism in the Era of Globalisation*, hosted by the Centre for Urban Design, Architecture and Sustainability at the University of Huddersfield, UK. Feb. 3 -5, 2016

2013 – 2015: **Chairman and organizer** of 3 scientific roundtable on the topic: *Study Series on Architecture and Urban spatial structure in China’s Megacities Suburbs*, held in Pavia [Jun.2014] and Shanghai [Oct.2013 & Sep.2015]. Co-supported by Institute of Architecture and Urban Space, Tongji University and China Lab for Architecture and Urban Studies, University of Pavia.

2015: **Scientific committee Member** of the International Summer School. *Flexible City for Smart Communities* funded by University of Pavia, Italy. September 20 – 27, 2015.

2015: **Chairman and organizer** of the *International design workshop. Architecture and Landscape design in Italy for Expo 2015*, co-supported by China Lab., University of Pavia and Faculty of Architecture and Planning of Kunming University, China. Pavia-Milan-Rome, July 18-31, 2015.

2015: **Member of scientific committee and Co-Organizer** of the *Convegno Internazionale PRIN-MIUR. La costruzione degli insediamenti minori lungo i tracciati antichi e sulle strade del futuro*. Ancona, Italy. July 1, 2015.

2014: **Member of scientific committee** of the International Summer School. *Smart Community and Sustainable development. Concept for an innovative housing in Milan*. funded by University of Pavia, Italy. September 15 – 20, 2014.

2014: **Member of scientific committee** of the *Samara International Workshop. Analyzing Samara: a new image for the city*, Samara State University of Architecture, Russia. May 26 – June 02, 2014

2012-13: **Member of scientific committee and Co-Organizer** of 4 research workshops on *Architecture as Heritage* held in: Ancona and Bologna [2012], Pavia and Bari [2013] within the program PRIN2009 funded by MIUR.

2013: **Co-Organizer** of the 2<sup>nd</sup> *International Winter School REA Cariplo Foundation Project. "Pavia-Shanghai. Waterfront renovation"* held at University of Pavia, Italy. Feb. 2013.

2012: **Co-Organizer** of the 1<sup>st</sup> *International Winter School REA Cariplo Foundation Project. "Architectural and urban design for 16 Pier Ferry Terminal in Shnanghai"* held at Tongji University in Shanghai, China. December 2012.

2012 Sept.: **Organizing committee member** of the *Wang Shu. Pritzker Prize Lecture*, Triennale Design Museum, Milan, Italy. September 4, 2012

2004 – 2010: **Co-Organizer / Tutor coordinator (for three editions)** of the *International Design Seminar* supported by Institute for Advanced Study of Pavia (IUSS) and University of Pavia: Zakynthos, Greece [2004]; Shanghai, China [2005 and 2010].

### 5.3. Research Exhibitions and Curatorial projects

2015: **Academic coordinator** of the project *Open Your Space. Design Interventions in Siping Community, Shanghai*, Collateral event of the *2015 Bi-City Biennale of Urbanism / Architecture of Shenzhen*, China. Dec. 19, 2015 – Mar. 5, 2016.

2014: **Selected research project and Co-Curator** of the project *Open your kitchen* at 10<sup>th</sup> Shanghai Biennale City Pavilion - Urban living room, Jing An Kerry Centre for contemporary art, Shanghai, China. Nov. 23, 2014 – Mar. 31, 2015.

2013: **Selected research project and Curator** of the project *Rural Architectural Intensification* within the Rural urban interaction Section curated by Lou Yongqi at the 2013 Shenzhen Biennale of Urbanism / Architecture: Urban Border, Shenzhen, China. Dec. 6, 2013 – Feb. 28, 2014.

2012: **Scientific committee member** of the exhibition *From research to design. Selected architects from Tongji University of Shanghai*, and the *Wang Shu. Pritzker Prize Lecture* Triennale Museum, Milan, Italy. Sep. 4-23, 2012

2012: **Organizing committee member and Co-curator** of the exhibition *Shanghai-Milano. The Expo after the Expo*, Cultural Centre Altinate, Padova, Italy. Mar. 2-11, 2012

2009 Nov.: **Co-curator** of the exhibition *Project's Exhibition - Urban Generation in the Post Industrial Town*, Main Hall, Faculty of Engineering, University of Pavia, Italy. November 3, 2009.

2009 Jun.: **Curator** of the exhibition *UniScape. Progetti di paesaggio del corso di laurea Magistrale in Ingegneria Edile/Architettura*. Great Hall, University of Pavia June 26, 2009

#### **5.4. Research visits abroad at renown Universities or Research Centers (officially appointed):**

2016-2017: **Recipient of the “Pavia-Boston Research Grant”**, awarded by the University of Pavia to support research visits of outstanding researchers and scholars at the Massachusetts Institute of Technology (MIT), Department of Urban Studies and Planning. [from September 2016 to February 2017]

2016: **Recipient** of the Erasmus Plus mobility grant 2015 – 2016, awarded for research and teaching period at Kunming University, China. [January 2016]

2013 & 2014: **Visiting Associate Professor** at College of Architecture and Urban Planning, Tongji University, Shanghai, China. Appointed (two times) with the Research Expert fellowship for the years 2013 & 2014.

2012 & 2014: **Visiting Professor** at Kazan State University of Architecture and Engineering, Russia within the project of International Research and Practice for Cultural Heritage in 21<sup>st</sup> Century. [September 2014].

2012: **Invited Researcher** at the UCL London, for The Bartlett Architecture's Summer Show - Architectural Design Research and Education Practices. [June 2012].

2005 & 2010: **Visiting Professor** at Faculty of Architecture, Federal University of Bahia, Salvador de Bahia, Brazil, International Design Seminar – Requalificacao Urbana e Cultura da Cidade. [July & August 2010].

2010: **Visiting Professor** at the Escola Tecnica Superior d'Arquitectura de Barcelona-ETSAB, Universidad Politecnica de Catalunya within the program MIUR - Cooperlink 2010. [January & February 2010].

2009: **Visiting Professor** at Escola Tècnica Superior d'Enginyers de Camins Canals i Ports de Barcelona - Universidad Politècnica de Catalunya, Advisory Board of the Master Thesis within the Erasmus Program. [March 2009].

2008: **Visiting Professor** at the Faculty of Architecture, Universidad Central de Chile-UCEN, Santiago de Chile, International Design Seminar “Patrimonio arquitectonico. Fuente de Nueva Arquitectura”. [August 2008].



### 5.5. Other visits at renown Universities or Research Centers in Italy

2012 - 2013: **Visiting Researcher** at Dipartimento di Ingegneria civile, edile e di architettura, Università Politecnica della Marche, Ancona, within the research program PRIN2009 funded by MIUR. [Reference: F. Pugnali]

2013 May: **Visiting Researcher** at Dipartimento di Scienze dell'Ingegneria Civile e dell'Architettura, Politecnico di Bari within the research program PRIN2009 funded by MIUR. [Reference: A. Calderazzi]

2012 Apr.: **Visiting Researcher** at Dipartimento di Architettura, Alma Mater Studiorum – Università di Bologna, within the research program PRIN2009 funded by MIUR.

2010 Jun.: **Guest Lecturer** at Dipartimento di Ingegneria dell'Energia, dei Sistemi, del Territorio e delle Costruzioni, Università di Pisa, within the program MIUR - Cooperlink 2010.

2009 Jun.: **Visiting Researcher** at Faculty of Architecture “Aldo Rossi” Campus of Cesena, Alma Mater Studiorum – Università di Bologna. [Reference: G. Braghieri]

### 5.6. Editorial and Research project review activities:

2017 – present: **Editorial Committee member – reviewer** of the UCL Press, Journal, architecture – MPS.

2016 – present: **Editorial Board Member** for the Design Activism Series Tongji Press, Shanghai.

2016: **Registered as expert** at the Register of Expert Peer Reviewers for Italian Scientific Evaluation of the Italian Ministry of Education, University and Research (MIUR), in the panel *SH - Social Sciences and Humanities*.

2016: **Selected as expert** for the review of research grants in the panel SH - Social Sciences and Humanities for the program “Consolidate the Foundations 2015” promoted by University of Tor Vergata, Rome

2015: **Selected as expert** for the review of research grants in the panel SH - Social Sciences and Humanities for the program “Giovani ricercatori protagonisti” promoted by University of Florence.

2012 – present: **Co-Founder and Member of the Scientific Board** of “Text and Context” Book series published by Maggioli Editore, Italy.

2011 – present: **Reviewer** for the Journal of Urban Planning and Development (ASCE).

2011 - present: **Selected as expert** for the review of National research projects - PRIN in the panel *SH - Social Sciences and Humanities* for several programs promoted by MIUR.

2011: **Selected as expert** for the review of research grants in the panel SH - Social Sciences

and Humanities for the program “POR Calabria FSE 2007/2013” promoted by Mediterranean University of Reggio Calabria.

2011: **Selected as expert** for the review of research projects in the panel SH - Social Sciences and Humanities for the program “FIRB – Futuro in Ricerca 2010” promoted by MIUR.

#### 5.7. Research by design: research project funded by specific consulting agreement for scientific activity.

- **Selected Applied research in architectural and urban design, professional consulting and built artifacts:**
  - 2013-2015 **Design advisor:** *Project adaptation to Italian design standards for the China Corporate United Pavilion at Milan Expo 2015 site.* Project area: 750 sqm. Client: Tongji Architectural Design Group Co., Ltd. (Project director: Dr. Arch. R. Lizhi). **Built.**
  - 2013-2014 **Design advisor:** *Concept Planning for CMI Project Yinhai District, BeiHai, P.R. China* Project area: district. Client: BeiHai Prefecture, China. (with the design team of Land.Au architecture and planning Ltd. Project director: Arch. F. Fen)
  - 2011-2013 **Design coordinator:** *Landscape regeneration of Speziana creek in Basiglio, Milan, Italy.* Project area: 96.038 sqm; Funding: 60,000 Euros. Client: Green Oasis Srl. (with the design team of LCPa Lab.).
  - 2012 **Principal designer:** *Exhibition design and detailed installation design for the exhibition: From research to design.* Triennale Design Museum, Milan, Italy. Project cost: 50,000 Euros. Client: Triennale di Milano. **Built** (with the design team of RIALTO Ltd.).
  - 2012 **Principal designer:** *Guidelines for landscape design and architectural design of “Agro-techno village” in Peschiera Borromeo, Milan, Italy.* Project area: 1.3 sqkm; Private funding: 100,000 Euros. Client: Chiara edificatrice Srl. (with the design team of RIALTO Ltd.).
  - 2010-2011 **Design coordinator:** *Urban planning strategies and urban morphology description for the new Master plan of Municipality of Pavia, Italy.* Project area: township; Public funding: 250,000 Euros. Client: Municipality of Pavia. (with the design team of Department of Civil Engineering and Architecture).
  - 2005-2011 **Principal designer:** *Design of public space of the historical center of San Genesio ed Uniti, Pavia, Italy.* Project area: 900sqm; Project cost: 950,000 Euros. Client: Municipality of San Genesio ed Uniti. **Built.** (with the design team of LCPa Lab.).
  - 2005-2009 **Principal designer:** *Architectural restoration of historical building ‘Collegio Universitario Cardinal Riboldi and Church of Saint James’, Pavia, Italy.* Project area: 3.500sqm; Project cost: 4,600,000 Euros. Client: Eucentre. **Built.** (with the design team of LCPa Lab.).
- **Selected project in conjunction with internationally acclaimed architecture firms”**

- 2011 **Design advisor** for the project “*Regeneration of the waterfront Lido Iride*”, Soro, Sardinia, Italy, with **Giugiaro Design Ltd. and Grandi Architecture & Partners**.
- 2007 **Design advisor** for the project “*New hospital and Park. Ospedale Maggiore Policlinico, Mangiagalli e Regina Elena*”, Milan, Italy, with **Chapman Taylor Llp. - Arch. J. P. Wilson**.
- 2005 **Design advisor** for the project “*New headquarter of the Lombardy Region Government*”, Milan, Italy, with **Steven Holl Architects**.
- 2004 **Design advisor** for the project “*Regeneration of the public space Darsena*”, Milan, Italy, with **Eduardo Souto deMoura Arquitectos Ltd.**

## 6 Research skills and Publications

### 6.1. Research

Tiziano Cattaneo has the proven experience, knowledge, and leadership to head international projects:

- He has already gained a large amount of experience on urbanization and development of rural-urban areas (notably he has been granted by Italian Ministry of Research - MIUR, through the program National Research Program - PRIN 2009, the work has been published in international conference, magazine and monographs).
- He has worked on international research in China, in collaboration with Prof. Zheng Shiling, College of Architecture and Urban Planning of Tongji University.
- Since 2010 he has gained a large amount of experience on work in-between the Italian and Chinese context in both research and education.
- He has contributed to the development of several academic outputs on the specific field of design of rural landscapes, notably he is the founding director of the Rural Architectural Intensification research group.
- He has contributed to the development of several academic outputs on the specific field of design and the visualization of contemporary architecture and envisioning contemporary Chinese architecture through publication and international exhibition, notably he is the founding director of the China Lab. for Architecture and Urban Studies.
- He combines a good theoretical knowledge with an eye for practical applicability.
- He has good contacts with researchers and prominent scholars worldwide working on the topic of contemporary spatial and social transformation of contemporary urban landscape.
- He has good managerial qualities, and can successfully lead and motivate a group of colleagues and young researchers.
- Since 2013 he has also been in regular contact with Prof. Jeffrey Johnson, who is the founding director of the China Megacities Lab. at Columbia University, USA and Director of the School of Architecture of the University of Kentucky, USA.
- On the European front, he has constant scientific collaborations with several universities. Moreover he has contacts with former colleagues Dr. Nadia Bertolino, School of Architecture, The University of Sheffield (UK) and Prof. Ioanni Delsante School of Art, Design and Architecture, University of Huddersfield (UK).
- Since 2015 he has been in regular contact with Prof. T. Lee, Emeritus Professor at the Department of Urban Studies and Planning of Massachusetts Institute of Technology (MIT), working on the topic of urban design for smart and sustainable neighborhood with the aim to create a bridge of knowledge between U.S.A.-Europe-China
- Moreover from 2016 to present he has been appointed Catalyst and Evaluation Fellow for

the Buildings Contest of the MIT Climate Co Lab of the Massachusetts Institute of Technology, Cambridge, Massachusetts, USA starting a scientific dialogue on how Architectural and Urban Design can respond to Climate Change.

## 6.2. Publications

Author/co-author of numerous scientific works published in national and international books, journals and conference proceedings.

Author/co-author of:

- 10 Monographs
- 5 Book chapters
- 20 Scientific articles and essays in book
- 15 Articles in in peer-reviewed international journals,
- 3 Articles translated in Chinese and published in leading scientific journals in China
- 27 Papers in peer-reviewed in international conference proceedings
- 21 Research report (unpublished elsewhere)

## 6.3. Twenty (20) selected publications

### - *Recent Articles in peer-reviewed scientific journals*

1. R. De Lotto, T. Cattaneo, E. Giorgi, E.M. Venco, Coherences and Differences among EU, US and PRC Approaches for Rural Urban Development: Interscalar and Interdisciplinary Analysis. *Sustainability* 2017, 9, 537. ISSN 2071-1050
2. T. Cattaneo, E. Giorgi, M. Ni and G.D. Manzoni. Sustainable Development of Rural Areas in the EU and China: A Common Strategy for Architectural Design, Research Practice and Decision-Making. *Buildings*. 2016; 6(4):42. ISSN 2075-5309
3. E. Giorgi, T. Cattaneo and G.D. Manzoni. Participation for sustainability. Why looking back to design the future? in *Volume Number 173 in "WIT Transactions on State-of-the-art in Science and Engineering"*; 2016, 90. ISSN: 1755-8336.
4. T. Cattaneo, R. De Lotto and E. M. Venco. Functional Reuse and Intensification of Rural-Urban Context: Rural Architectural Urbanism. *International Journal of Agricultural and Environmental Information Systems*, Volume 7, Issue 1, January-March 2016; pp. 1-27. IGI Global Publisher. DOI: 10.4018/IJAEIS.2016010101.
5. R. De Lotto, T. Cattaneo, E.M. Venco, S. Sturla and S. Morettini. Planning Support Tool for Rural Architectural Intensification. In B. Murgante, S. Misra, A.M.A.C. Rocha, C. Torre, J. G. Rocha, M.I. Falcão, D. T. Bernady, O. Apduhan, O. Gervasi (Eds.). *Computational Science and Its Applications – ICCSA 2014*. 14th International Conference Guimarães, Proceedings, Part IV, LNCS 8582. pp 344-355. Springer, 2014.

### - *Monographs*

6. T. Cattaneo (Ed.). *Study on Architecture and Urban Spatial Structure in China's Mega-Cities Suburbs*. Mantua: Universitas Studiorum S.r.l. - Casa Editrice, 2016. ISBN: ISBN: 978-88-97683-83-4; DOI: 10.14671/9788897683834. (English)
7. T. Cattaneo, M. Ni and R. De Lotto. *Architecture and rural urbanism in Europe. New cities and villages regeneration*. Hong Kong: Si Ji Publishing Company Limited, 2015. ISBN: 978-988-8322-40-4. (English)
8. T. Cattaneo and R. De Lotto. *Rural-Urbanism-Architecture. Design strategies for small towns development*. Florence: Alinea Editrice, 2014. ISBN: 978-88-6055-839-8.

9. T. Cattaneo. *Composizione e architettura del verde domestico. (Composition of domestic green architecture)*. Santarcangelo di Romagna, Rimini: Maggioli Editore, 2012. ISBN: 978-883876199X. (Italian)

**- Book chapters single authored unless stated**

10. T. Cattaneo. *Valorizzazione – qualificazione del paesaggio rurale. Strategie compositive nei territori dei nuovi centri urbani*. In F. Pugnaroni. *Architecture as Heritage*. pp. 526-534. Ancona: Il lavoro Editoriale, 2014. ISBN: 978-8876637599. (Italian)
11. T. Cattaneo, X. Li, I. Delsante and Y. Chen. *From Research to Design. Selected architects from Tongji University of Shanghai*. In I. Delsante (Ed.). *From Research to Design*. pp. (48)55-104. Bologna: Editrice Compositori, 2012. ISBN: 978-88-7794-783-3. (English)
12. T. Cattaneo, L. Huang, J. Cheval. *Tongji – University of Pavia: Concept Plan & Key Nodes Design for South Bund Waterfront, Shanghai*. In S. Ben (Ed.), *International Design Program*. CAUP Tongji University. pag. 204-205. Shanghai: Tongji University Press, 2012. ISBN: 978-7-5608-4867-9. (English and Chinese).

**- Scientific Papers in peer-reviewed conferences proceedings**

13. T. Cattaneo, Y. Sha, E. Giorgi, G.D. Manzoni. *Identity+Innovation: how to give hope and opportunities to forgot suburbs. A comparative study between EU and China*. In C. Gambardella (Ed.). *Heritage and Technology. Mind, Knowledge, Experience. – Proceedings of Le vie dei Mercanti, XIII International Forum*. pp. 1363-1372. Naples: La scuola di Pitagora editrice, 2015. ISBN: 978-88-6542-416-2. (English)
14. T. Cattaneo. *Rural Architectural Intensification. Regeneration strategies of rural towns*. In *Proceedings of 3rd Annual International Conference on Architecture and Civil Engineering (ACE 2015)*. pp. 533-540. Singapore: GSTF 2015. Print ISSN: 2301-394X, E-Periodical ISSN: 2301-3958, doi: 10.5176/2301-394X\_ACE15.2. (English)
15. R. De Lotto, T. Cattaneo, E.M. Venco, S. Sturla and S. Morettini. *Planning Support Tool for Rural Architectural Intensification*. In B. Murgante, S. Misra, A.M.A.C. Rocha, C. Torre, J. G. Rocha, M.I. Falcão, D. T. Bernady, O. Apduhan, O. Gervasi (Eds.). *Computational Science and Its Applications – ICCSA 2014. 14th International Conference Guimarães, Proceedings, Part IV, LNCS 8582*. pp 344-355. Springer, 2014. ISSN 0302-9743; ISSN 978-3-319-09146-4; DOI 10.1007/978-3-319-09147-1; e-ISSN 1611-3349; e-ISBN 978-3-319-09147-1

**- Papers in architectural design journals in China [translated in Chinese]**

16. T. Cattaneo, M. Ni, *From regeneration of Cascina Triulza to Global Farm 2.0. A Rural Urbanism and Architecture case in Expo Milan 2015*. *Time+Architecture* n. 144–2015/4:56-61, 2015. ISSN 1005-684X, CN31-1359/TU. (Chinese and English).
17. T. Cattaneo, Y. Sha and Y. Ji, *Architectural Design Strategies for the Rural Development in Europe*. *Urban Architecture (UA)*, 2015(1), 109-111. ISSN: 1673-0232, CN: 23-1528/TU. (Chinese and English).
18. T. Cattaneo. *Five Projects Five Concepts. Post-Expo Development in Urban Best Practices Area of Expo 2010 Shanghai*. *Time+Architecture*, 2011/1, p. 68-71. ISSN 1005-684X, CN31-1359/TU. (Chinese and English).

**- Papers in a leading architectural design magazine in Italy**

19. T. Cattaneo, K. Liu, M. Ni. *Shanghai architecture and identity*. *THE PLAN* Vol. 83:06–09, 2015. ISSN:1720-6553. (English and Italian)

20. T. Cattaneo, K. Liu, M. Ni. *Beijing's architectural super-grid*. THE PLAN Vol. 78:16–19, 2014. ISSN:1720-6553. (English and Italian)

## 7. Management of teaching programs

2014 – 2015 – 2016: **Member** of the Evaluation Committee for the admission at the Master Degree course in Building Engineering/Architecture at the University Pavia. [Apr. 2014; Sep. 2015; Sep. 2016].

2015 Jun./Jul. **Member** of the Evaluation Committee for the Professional Practice Exam (Esame di Stato) for qualified Engineering profession in Italy, I Session 2015, National Engineering Association and University of Pavia.

2015 – present: **Academic supervisor** of the students internship in the field of Architectural design for the Faculty of Engineering, University of Pavia, Italy.

2011 – present: **Member** of the Dual Master degree Committees, Master in Building Engineering and Architecture, between Tongji University and University of Pavia. China-Italy

2007 – present: **Member** of the Master degree Committees, Master in Building Engineering/Architecture, University of Pavia, Italy.

2008 – 2012: **Manager** of the graduation committees for the Master degree in Building Engineering / Architecture, University of Pavia, Italy.

2008 – 2012: **Operational representative Manager** of Master in Building Engineering/Architecture, University of Pavia, Italy, with responsibilities at the level of course scheduling, organization of international design seminars, editorial coordination of internal research program, student internships.

## 8. Teaching Activities

### 8.1. Supervision of Graduate Students and Postdoctoral Fellows

2011 – present: **Supervisor** of 22 Master dissertations, Dual Master Degree in Architecture between University of Pavia, Italy and Tongji University, P.R. China.

2006 – present: **Supervisor** of 83 Master dissertations, Master Degree in Building Engineering/Architecture, University of Pavia, Italy

2011 – present: **Co-Supervisor** of 3 Postdoctoral research grants, Department of Civil Engineering and Architecture, University of Pavia, Italy.

2015 – 2016: **Supervisor** of 15 Master End of Study Projects, Master Degree in Design, Atlantique Nantes School of Design in partnership with the College of Fine Arts of Shanghai University.

### 8.2. Teaching activities as Visiting Professor at renowned international Universities

a.y. 2015-16: Architectural design studio within the Erasmus Plus mobility grant 2015 – 2016, at Faculty of Architecture and City Planning, Kunming University of Science and Technology, China. [Fall Semester, Jan. 11-22, 2016] [*Guest lecturer*], in English.

a.y. 2015-16: China Studio - End of Study Master Course at the Atlantique Nantes School of Design in partnership with the College of Fine Arts of Shanghai University [Fall Semester, Sep. 2015-Feb 2016] [*Main lecturer*], in English.

a.y. 2014-15: Landscape planning design at College of Architecture and Urban Planning, Tongji University, Shanghai, China. [Spring Semester 2014-15], [*Main lecturer*], in English.

a.y. 2013-14: Urban Design studio at College of Architecture and Urban Planning, Tongji University, Shanghai, China. [Fall Semester 2013-14], [*Main lecturer*], in English.

a.y. 2011-12: Architectural Design Studio - Project: Concept Plan & Key Nodes Design for South Bund Waterfront, at College of Architecture and Urban Planning, Tongji University, Shanghai, China, [Fall Semester, Dec. 15, 2011 – Jan. 6, 2012] [*Main lecturer*], in English.

a.y. 2009-10: Appointed Member of the Master degree committee at the Escola Tècnica Superior d'Enginyers de Camins Canals i Ports de Barcelona - Universidad Politècnica de Catalunya. [June 2009].

### **8.3. Teaching activities at Graduate level in Italy:**

a.y. 2014-15; 2015-16; 2016-17: Architettura e Composizione Architettonica 1, (Architectural Design 1), Corso di Laurea in Ingegneria Edile - Architettura, Università degli Studi di Pavia, [*Main lecturer*], in Italian.

a.y. 2015-16; 2016-17: Architectural composition 3, Dual Master Degree in Building Engineering and Architecture, between University of Pavia and Tongji University in Shanghai. [*Main lecturer*], in English.

a.y. 2012-13; 2013-14: Architectural Design Studio, Corso di Laurea in Ingegneria Edile - Architettura, Università degli Studi di Pavia, [*Main lecturer*], in English.

a.y. 2011-12; 2012-13: Landscape Design, Italian-Chinese Curriculum in Building Engineering and Architecture, Dual Master Degree Program between University of Pavia and Tongji University in Shanghai. [*Main lecturer*], in English.

a.y. 2009-10; 2010-11; 2011-12: Architettura e Composizione Architettonica 4, (Architectural Design 4), Corso di Laurea in Ingegneria Edile - Architettura, Università degli Studi di Pavia, [*Main lecturer*], in Italian.

a.y. 2008-2009: Architettura e composizione architettonica 3 - modulo B, (Architectural Design 3 – B module), Corso di Laurea in Ingegneria Edile - Architettura, Università degli Studi di Pavia, [*Main lecturer*], in Italian.

a.y. 2005-06; 2006-07; 2007-08; 2008-09; 2009-10; 2010-11: Progettazione del paesaggio, (Landscape Design), Corso di Laurea in Ingegneria Edile - Architettura, Università degli Studi di Pavia, [*Main lecturer*], in Italian.

#### 8.4. Other visits at International Design Workshops

2012: **Invited Professor** for the Final Critic at the "2<sup>nd</sup> International Summer School. Water and Landscape in Architecture", University of Brescia within the project *REA Cariplo Foundation Project - Network of Excellence for Internationalization of education in the field of Architecture*, funded by Cariplo Foundation. [Jun. 4-8, 2012].

2012: **Invited Professor** for the Final Critic at the "1<sup>st</sup> International Summer School. Waterscape-Architecture", Faculty of Architecture of the Polytechnic of Milan Campus of Piacenza within the project *REA Cariplo Foundation Project - Network of Excellence for Internationalization of education in the field of Architecture*, funded by Cariplo Foundation. [May 9-11, 2012].

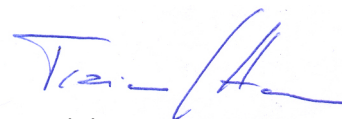
2012: **Visiting Professor and Tutor** at the International Workshop "Historic area: new opportunities", Kazan State University of Architecture and Engineering, Building Design Faculty. in Kazan Russia. [Apr. 14-21, 2012].

2011: **Visiting Professor** at X Workshop of Architecture – W.A.VE 2011, IUAV – Istituto Universitario di Architettura of Venice. [Jun. 25 – Jul. 15, 2011].

2008: **Visiting Professor and Tutor** at the Tercer Seminario Internacional "Patrimonio arquitectonico. Fuente de Nueva Arquitectura". Escuela de Arquitectura, Urbanismo y Paisaje - Universidad Central de Chile. Santiago, Chile. [Aug. 4-15, 2008].

2007: **Visiting Professor and Tutor** at the Jointly-Organize Academic Exchange Program. International Design Workshop Youth Hotel in Cesena, Faculty of Architecture "Aldo Rossi", Alma Mater Studiorum – Università di Bologna. [Jun. 4-9, 2007].

May 30<sup>th</sup>, 2017



Tiziano Cattaneo