

## CHIARA TONELLI

### Curriculum vitae

#### PERSONAL INFORMATION

Name and Surname Chiara Tonelli  
Place & date of birth Pisa, August 2<sup>nd</sup>, 1969  
Nationality Italian  
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Websites www.uniroma3.it  
<http://www.tonellizorzi.eu/pages/en/chiara-tonelli.html>  
Social network Twitter profile @ChiaraTonelli since 2013 Jan 1<sup>st</sup>  
Civil state Separated, 2 children  
CF TNLCHR69M42G702Q

#### PRESENT APPOINTMENT

**Associate Professor**  
Level of appointment Tenured position  
Employer Roma TRE University, Department of Architecture, Italy, Public University  
**Architect**  
Rome Architects Chamber No. 11689  
**Counselor of Rome Architects Chamber**

#### EMPLOYMENT

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|----------------------------|---|
| 2017 Nov                   | Elected Counselor of Rome Architects Register   |
| 2017 April                 | Named able as Full Professor from the National Committee (5 positive evaluations on 5)    |
| 2014-present               | Associate Professor in Technology of Architecture at Roma TRE University                  |
| 2014-2015<br>fall semester | Visiting professor at TUM Germany   Chair of «Building Construction and Material Science» |
| 2010-2014                  | Assistant Professor in Technology of Architecture at Roma TRE University                  |
| 2007-2010                  | Tenure Track in Technology of Architecture at Roma TRE University                         |
| 2002-2006                  | Research Fellow in Technology of Architecture at Sapienza University of Rome              |

#### RESUME IN ITALIAN

**Chiara Tonelli**, professore ordinario abilitato in Tecnologia dell'architettura presso il Dipartimento di Architettura dell'Università degli Studi Roma Tre, **delegato del Rettore per «Startup e impresa»** (2015-17), ha ideato e coordinato le due partecipazioni multidisciplinari dell'Università Roma TRE al **Solar Decathlon**, competizione tra università di tutto il mondo per la progettazione e realizzazione di prototipi abitativi ad **alta efficienza energetica**. Nel 2012 il prototipo MED in Italy è stato il **primo progetto italiano** ammesso alla competizione e si è classificato **terzo assoluto**, vincendo anche il primo premio per la Sostenibilità, il secondo premio per il Funzionamento domestico e quattro terzi premi per Architettura, Innovazione, Comunicazione e Bilancio energetico. Nel 2014 RhOME for denCity, unica squadra italiana in gara, si è classificato **primo assoluto**, vincendo anche il primo premio per il Funzionamento Domestico e Illuminazione, il secondo ai contest Architettura, Condizioni di Comfort e Social Housing, il terzo premio per

l'Innovazione e le menzioni speciali a Efficienza energetica e Sostenibilità.

È stata responsabile del **Coordinamento tecnico del Piano Energetico Regionale del Lazio** (2015-16), dove ha operato per ridurre i consumi energetici regionali, favorire la transizione all'energia elettrica e diversificare nel medio-lungo termine le fonti di energia, riducendo le emissioni CO<sub>2</sub> e la dipendenza energetica dai fossili, con l'obiettivo di diffondere la low-carbon economy, per concorrere ad accrescere la competitività dell'industria e la produttività e redditività della produzione agricola, anche attraverso la valorizzazione degli scarti, in un processo bottom-up.

Ha coordinato il Progetto "Costruzioni a energia positiva per la rigenerazione urbana dei quartieri informali" di **Grande Rilevanza Scientifica e Tecnologica sul tema "Energia e Ambiente"** per lo scambio bilaterale Italia-Argentina finanziato dal Ministero degli Affari Esteri Italiano per il triennio 2014-2016.

Negli anni precedenti all'impegno universitario, ha prestato consulenze professionali presso numerose amministrazioni pubbliche, tra cui:

- 2006, settembre -dicembre: **Provincia di Latina**; Istruttoria mirata a individuare le condizioni per il completamento e lo sviluppo del Nuovo Quartiere Fieristico di Latina presso l'ex complesso industriale della Rossi Sud (Progettista con R. Zorzi);
- 2004, ottobre - 2005, maggio: **Risorse per Orvieto S.p.A.**; Orvieto, ex caserma Piave. Progetto di valorizzazione e riconversione funzionale (progettista con R. Zorzi);
- 2001-2003: **Autorità per la vigilanza sui Lavori pubblici** Osservatorio dei lavori pubblici; Determinazione dei costi standardizzati per l'edilizia e le infrastrutture in Italia; Componente della Commissione Nazionale per la definizione del costo standardizzato di edilizia sanitaria, universitaria e scolastica;
- 2000, gennaio-dicembre: **Comune di Roma - Ufficio Concorsi Architettura**; Attività funzionali alla attivazione delle procedure di nuovi concorsi di progettazione, di gare di affidamento della progettazione, di programmazione di interventi complessi (Coordinamento tecnico);
- 1996-1999: **Agenzia romana per la preparazione del Giubileo**: Studio di fattibilità per la realizzazione di un Osservatorio Globale dello stato del mondo; Coordinatore delle istruttorie tecniche dei Piani di coordinamento e gestione delle aree circostanti le basiliche di San Pietro, San Paolo fuori le Mura, San Giovanni in Laterano, Santa Maria Maggiore, Santa Croce in Gerusalemme.

Architetto dal 1996, è autrice di numerosi progetti a livello preliminare, definitivo ed esecutivo, per privati ed enti pubblici, in cui applica le conoscenze acquisite nello studio dell'**organizzazione del processo edilizio** a esperienze sperimentali attinenti l'**efficienza energetica**, anche volti a sanare problematiche di insediamenti informali ai fini della **rigenerazione urbana**. Le strategie messe a punto, con il supporto di modelli multi-dimensionali virtuali generati in digitale per mezzo di programmi per sistemi **BIM**, hanno come principale obiettivo quello di individuare **soluzioni tecniche e tecnologie innovative** per la riqualificazione edilizia e la nuova costruzione in regioni a **clima caldo-temperato**, dove la protezione dal caldo assume maggiore importanza di quella dal freddo.

Negli ultimi anni ha avviato processi di **scambio università-industria**, coinvolgendo in attività sperimentali aziende italiane e multinazionali e finanziando sperimentazioni per oltre 2 milioni di euro, che hanno anche condotto al deposito di un brevetto.

È stata ed è responsabile di assegnisti di ricerca e borsisti e relatrice di oltre 50 tesi di laurea magistrale. Ha partecipato a oltre 100 convegni e conferenze in Italia e nel mondo e ha condotto **programmi televisivi sui temi dell'architettura** (RAI TRE, Leonardo, Real Time).

## AWARDS & HONORS

| To her person             |  |
|---------------------------|--|
| 2015, Oct 30              | Honorable Mention   Award "Green Living" Special Expo2015 edition, Turin Italy   |
| 2014, Jun 1 <sup>st</sup> | Awarded as fellow engaged to defend the Environment and social Rights at the International Award "Green Environment", VAS, Sorrento Italy                    |
| 2014, May 14              | Awarded as fellow engaged in an architectural and urban response to the energy requirements at the International Award "Monito del Giardino", Florence Italy |
| 2012, Jun 17              | Among the "30 Italians who will change our life. Future is back", selection of the main  |

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|               | Italian newspaper <i>La Repubblica</i> ( <a href="http://tinyurl.com/ko36rsq">http://tinyurl.com/ko36rsq</a> ) |
| Year 2002     | « Young Researcher Financial Award » of Sapienza Rome University, Italy  |
| 2000, Apr 28  | Ph.D. with Honor at Sapienza University of Rome, Italy   |
| 96,Jan/99,Dec | Ph.D. fellowship at Sapienza University of Rome, Italy   |
| 93,Sep/94,Jul | 9 months Erasmus Fellowship - 5 <sup>th</sup> year (MSc level) at Université de Genève, CH                     |

#### To teams she coordinated

|              |  |
|--------------|--|
| 2013, Apr 17 | Award "Green Living" to the team MED in Italy        |
| 2013, Mar 12 | Award "Monteverde Pasolini" to the team MED in Italy |

#### To buildings or prototypes she worked on as main advisor

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|------------|---|
| 2014, July | <p><u>1<sup>st</sup> final award</u> for the prototype RhOME for denCity with the score 840,63/1.000 at <u>Solar Decathlon 2014</u> plus the following awards:</p> <ul style="list-style-type: none"> <li>- 1<sup>st</sup> award in the House Functioning monitored contest</li> <li>- 1<sup>st</sup> award in the Lighting Design extra contest (from Siemens)</li> <li>- 2<sup>nd</sup> award in the Architecture contest</li> </ul> <p>Jury: Wan Chu, Françoise-Helène Jourda, Thomas Herzog</p> <ul style="list-style-type: none"> <li>- 2<sup>nd</sup> award in the Comfort Conditions monitored contest</li> <li>- 2<sup>nd</sup> award in the Social Housing extra contest (from CECODHAS Housing Europe)</li> <li>- 3<sup>rd</sup> award in the Innovation contest</li> </ul>   |
| 2013       | The prototype MED in Italy has been selected in the <u>ADI Design INDEX 2013</u> for the International Compasso d'Oro Award   |
| 2012, Sept | <p><u>3<sup>rd</sup> final award</u> for the prototype MED in Italy with the score 863,49/1.000 at <u>Solar Decathlon 2012</u> plus the following awards:</p> <ul style="list-style-type: none"> <li>- 1<sup>st</sup> award in the Sustainability contest</li> </ul> <p>Jury: Emilio Mitre; Manfred Hegger; Jason Twill</p> <ul style="list-style-type: none"> <li>- 2<sup>nd</sup> award in the House Functioning monitored contest</li> <li>- 3<sup>rd</sup> award in the Architecture contest</li> <li>- 3<sup>rd</sup> award in the Innovation contest</li> <li>- 3<sup>rd</sup> award in the Communication &amp; Raising Social Awareness contest</li> <li>- 3<sup>rd</sup> award in the Electrical Energy Balance monitored contest</li> <li>- Honorable Mention in the Energy Efficiency contest</li> <li>- Honorable Mention for Housing for Mediterranean Climates in the Social Housing extra contest (from CECODHAS Housing Europe)</li> </ul> |

#### To design concepts she worked on

|           |   |
|-----------|---|
| 2014, Oct | Honorable Mention over 300 submitted proposals at the "Award RIUSO_03" for a Sustainable Urban Regeneration (National Architects Chamber, National Association of Building Companies, Legambiente) to the Urban concept of "RhOME for DenCity". |
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### PATENTS

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|------------|--|
| 2014, June | Utility Model Patent No. RM2014U000094 Y02E   Thermodynamic balustrade. Inventor: Chiara Tonelli. Filed with the Italian Patent and Trademark Office, accepted on 26 September 2016. |
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### RESEARCH ACTIVITIES

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| 2014-2016 | Italian Ministry for Foreign Affairs, Great Scientific and Technological relevance project on "Energy and Environment", for Italy & Argentine exchange   «Positive energy buildings for the Urban regeneration of informal settlement» (funded every y; 1 <sup>st</sup> y € 50k; 2 <sup>nd</sup> y € 58k) PI - partner |
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|-----------|---|
|           | San Martin University, Argentina  |
| 2013-2015 | Roma TRE University, Department of Architecture   «PCM vs inert materials in the passive behavior of dry assemble buildings» (€ 11k) co-PI w G. Bellingeri  |
| 2013-2015 | Roma TRE University, Department of Architecture   «Minor historical town centers: restoration between protection and new technologies» (€ 9k) PI M. Cerasoli  |
| 2013-2015 | Roma TRE University, Department of Architecture   «Energy positive housing for the urban regeneration of the Rome's informal settlements», (€ 16k) PI   |
| 2012-2014 | Solar Decathlon 2014   «RhOME, a home for Rome» (cash € 287.373,00 + in kind from over 15 national and international companies) Faculty Advisor *   |
| 2011-2013 | European research project Leonardo   TTSB – Training Tools for Sustainable Buildings for an e-learning platform on sustainable issues, (€ 472.722) PI for Roma TRE, ARVHA Paris France as project coordinator, other partner Technische Universität Wien        |
| 2011      | Roma TRE University   Call for internationalization   «To build in Mediterranean climate: assessment of the energy behavior of timber buildings», (€ 6.000) PI  |
| 2010-2012 | Solar Decathlon 2012   «MED in Italy» (cash € 263.505,00 + in kind from over 25 national and international companies) Faculty Advisor*  |
| 2010-2012 | European research project Leonardo   TTAT – Training Tools for Accessible Towns for an e-learning platform on accessibility for all in urban areas (€ 291.180), PI for Roma TRE, ARVHA Paris France as project coordinator, w CAE - Centre for Accessibility UK |
| 2008-2010 | Roma TRE University, Department of Architecture   «Outdoor environmental comfort: artificial materials and innovative technologies», (€ 16k) PI   |
| 2007-2010 | European COST 358   PQN Pedestrians' Quality Needs, partner on the topic "The various dimensions for the pedestrians' quality of life"  |
| 2002-2006 | Sapienza University of Rome, Italy   Fellowship «To innovate the building process management» (€ 91.360) PI   |
| 2003-2005 | Italian Ministry of University MIUR, PRIN (Research Program of National Interest) - «Stress prevention in healthcare facilities», (€ 242k) PI University of Florence  |
| 2000-2002 | Italian Ministry of University MIUR, PRIN (Research Program of National Interest) «Systems, Structures and Technologies to help psychic, physic and sensorial diseases», (€ 331.049) PI University of Florence  |

#### ACADEMIC COMMITTEES & SCIENTIFIC SOCIETIES

|              |   |
|--------------|---|
| 2017-present | Member of the Editor Committee for the Italian Pavilion Project at the Architecture Biennale of Venice 2018, under the co-ordination of Mario Cucinella Architect |
| 2012-present | Co-founder and Member of the teaching Committee of the Ph.D. in «Landscapes of the contemporary City. Politics, technics and visual studies», Roma TRE University |
| 2008-present | Member of the Master Science Degree Committee at the Department of Architecture of Roma TRE University  |
| 2007-present | Member of SITdA- Italian Society of Technology of Architecture  |
| 2007-present | Member of the Bachelor Degree Committee at the Department of Architecture of Roma TRE University  |
| 1996-2007    | Member of TESIS - Academic Center for Health Care Facilities  |

#### Institutional roles

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|--------------|--|
| 2017-present | Delegate of the University of Roma TRE Rector for "Sustainability" |
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\* The University of Roma TRE is the first and (until 2015) the sole Italian University that has been selected for a Solar Decathlon since its foundation in 1999.

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| 2015-2017 | Delegate of the University of Roma TRE Rector for "Startup and companies for innovation" |
| 2008-2011 | Erasmus Coordinator of the Faculty of Architecture, University of Roma TRE               |

### Journal editorial boards

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|--------------|---|
| 2015         | Member of the Editorial Board and Scientific Committee for a special Issue of the Journal of Ventilation ( <a href="http://www.ijavent.org.uk/">http://www.ijavent.org.uk/</a> )                              |
| 2012-present | Member of the Editorial Board and Scientific Committee for Protecta and Protecta Web ( <a href="http://www.protectaweb.it">www.protectaweb.it</a> ). Journal supported by the Italian Ministry of Environment |
| 2014-present | Member of the Scientific Committee for Ingenio and Ingenioweb ( <a href="http://www.ingenio-web.it">www.ingenio-web.it</a> )  |

### Paper and research reviewer

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|--------------|--|
| 2015-present | «TECHNE-Journal of Technology for Architecture and Environment» FUP-Firenze University Press ( <a href="http://www.fupress.net/index.php/techne">http://www.fupress.net/index.php/techne</a> ) |
| 2015-present | «Energy» Elsevier ( <a href="http://www.journals.elsevier.com/energy/">http://www.journals.elsevier.com/energy/</a> )  |
| 2014-present | «Scienze e Ricerche» ( <a href="http://www.scienze-ricerche.it/">http://www.scienze-ricerche.it/</a> )   |
| 2013-present | «Energy and Buildings» Elsevier ( <a href="http://www.journals.elsevier.com/energy-and-buildings/">http://www.journals.elsevier.com/energy-and-buildings/</a> )                                |
| 2012-present | Reviewer in the ERC scientific sectors SH3_1; PE8_10; PE8_12 for the «National Research Program» of the Italian Ministry of the Public Instruction, Research and University                    |

### Project Advisory Committees

|                         |  |
|-------------------------|--|
| 2017, present           | Member of the Green Drop Award Committee, to evaluate the best movie with environmental subject at <i>Venice International Film Festival</i>   |
| 2015-present            | Member of the Committee for Culture and Architecture charged by Fiera Bolzano for developing innovation in energy, efficiency and sustainability   |
| 2015, Sep               | Member of the ClimateHouse Award Committee for the best A+ Class Building of the year  |
| 2014 Nov<br>2015 Dec    | Member of the Scientific Committee charged by Polaris Real Estate SGR Spa within the call «Project 10.000 houses» to identify a fast and low-cost designing and building method, able to realize high quality Social Housing units |
| 2014, Sept              | Member of the International Award «GreenDrop» aimed at prizing the best movie with environmental contents presented at the <i>71st Venice International Film Festival</i>  |
| 2013, present           | President of the ClimateHouse Award Jury for the best A+ Class Building of the year  |
| 2013, Nov<br>2014, Dec  | Member of the «Start up Committee» of the Latium Region to promote innovation at the regional scale  |
| 2012, Feb-<br>May       | Member of the Committee People Meet Innovation, charged to find ideas for promoting innovation in the Building Sector at the Building Faire of Bologna, Italy  |
| 2001, May-<br>2003, Apr | Member of the National Committee for defining «Standard costs for Buildings and Infrastructures» at the National Authority for Public Works  |
| 2000, April-<br>July    | Member of the Technical Committee to assess the Design Project for the new Hospital of Caserta, Italy   Massimo Pica Ciamarra Associati International S.r.l. and Ove Arup & P. Ltd   |

### SCIENTIFIC RESPONSIBILITY (AT HOME INSTITUTION) FOR INDUSTRY AGREEMENTS

|           |  |
|-----------|--|
| 2013-2014 | Day-lighting and natural ventilation for indoor behavior. VELUX Italia, Verona Italy   |
| 2012-2015 | Active systems for sanitary hot water, architectural integration<br>Energie Est Lda, Laúndos - Póvoa de Varzim Portugal<br>CGA Technologies SpA, Cividale del Friuli (Udine) Italy |
| 2012-2014 | Integration of HVAC in housing. Daikin Air Conditioning Italy S.p.A., Milan, Italy   |

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|-----------|---|
| 2012-2016 | Digital model for dwellers awareness on housing energy consumes<br>Almaviva SpA, Roma, Italy and Schneider Electric Italy, Bergamo, Italy           |
| 2011-2014 | Teaching and research relationship on building site safety conditions<br>CEFME-CTP (Public Organism for education on Safety)                        |
| 2011-2013 | Recycled aluminum architectural uses<br>CIAL (National Consortium for recycling aluminum packaging), Milan Italy                                    |
| 2011-2015 | Experimental research of new assembly technics for timber constructions<br>RUBNER Group SpA, Kiens (Bozen) Italy                                    |
| 2013-2014 | Textile in Architecture<br>Serge Ferrari SAS, Rochetoirin, France   |
| 2013-2014 | Building Integrated Flexible Photovoltaic Panels<br>Solbian Energie Alternative, Avigliana (Turin) Italy  |
| 2011-2012 | Bio-plastics for architectural components<br>Ecoplan Srl, Polistena (RC) Italy  |
| 2011-2012 | Natural Insulation panels and timber structures envelope stratigraphy, both at teaching and research levels. Naturalia BAU Srl, Meran (Bozen) Italy |

#### PROFESSIONAL EXPERIENCE

Chiara Tonelli, registered since 1996 in the Architects Chamber of Rome (n. 11689), is partner of the Tonelli-Zorzi Office opened in 2001, where she carried out many professional activities ([www.tonellizorzi.eu](http://www.tonellizorzi.eu)). Here below the most significant professional activities are listed.

#### At building scale

|              |   |
|--------------|---|
| 2016-present | Competition: Winner of the first award in the architectural competition "La Buona Scuola",<br>Client: Public, Education Ministry of Italy<br>Responsibility: designer in a group co-ordinated by R. Hopps                           |
| 2015-2016    | Job title: Porta Futuro, Job placement bureau at Roma TRE University<br>Client: Public, LazioDisu, University Roma TRE<br>Level: work in progress<br>Responsibility: coordinator of a team from Roma TRE Department of Architecture |
| 2014-2016    | Job title: Energy and functional retrofitting of an house of XIX Century<br>Client: Private, Monte Marcello (Massa Carrara)<br>Level: built<br>Responsibility: energy strategy and sustainability for Tonelli-Zorzi Office          |
| 2013-2014    | Job title: Energy and functional retrofitting of an house of XIX Century<br>Client: Private, Scansano (Grosseto)<br>Level: built<br>Responsibility: designer for Tonelli-Zorzi Office   |
| 2012-present | Job title: 6 housing units at positive energy, bio-lake and food forest<br>Client: Private, Alvignano (Caserta)<br>Level: Under construction<br>Responsibility: main designer for Tonelli-Zorzi Office                              |
| 2013         | Job title: "Sheyda" Showroom for carpets<br>Client: Private, Rome<br>Level: built<br>Responsibility: main designer for Tonelli-Zorzi Office   |
| 2012         | Job title: lay out of a Bio-shop<br>Client: Private, Rome<br>Level: Concept<br>Responsibility: main designer for Tonelli-Zorzi Office   |

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|------------------------------------|--|
| 2009-2010                          | Job title: Energy & functional retrofitting of an house of XVII Century<br>Client: Private, Suvereto (Livorno)<br>Level: built<br>Responsibility: designer for Tonelli-Zorzi Office  |
| 2003                               | Job title: Energy retrofitting of the Primary School «Brasile», Roma<br>Client: Municipality of Roma;<br>Level: built<br>Responsibility: main designer for Tonelli-Zorzi Office  |
| 2003                               | Job title: design of a Fitness Center in Roma<br>Client: Private, Istituto Maestre Pie Filippine; Rome<br>Level: built<br>Responsibility: designer for Tonelli-Zorzi Office  |
| 2002                               | Job title: design of a Recreation Centre for children in Roma<br>Client: Private, Istituto Maestre Pie Filippine; Rome<br>Level: not built<br>Responsibility: main designer for Tonelli-Zorzi Office   |
| 2001-2005                          | Job title: Retrofitting of an ancient building of XVII in the old City Center of Rome (via delle Botteghe Oscure) reconverted in Conference Centre and hotel of 200 rooms<br>Client: Private, Istituto Maestre Pie Filippine; Rome<br>Level: built<br>Responsibility: main designer for Tonelli-Zorzi Office |
| 1998 Mar-<br>Dec                   | Job title: design of a kindergarten<br>Client: Fiumicino Municipality<br>Level: winning design in the competition<br>Responsibility: designer w A. Trombetta   |
| <b>At landscape or urban scale</b> |  |
| 2010                               | Job title: 1 <sup>st</sup> edition of the Literary Expo "La tribù dei lettori"; design of the City Center squares in order to create comfort and accessibility conditions for open air reading<br>Client: Province of Roma<br>Level: realized<br>Responsibility: main designer for Tonelli-Zorzi Office      |
| 2006                               | Job title: Valorization of the Fair Area of Latina in the brown field of the old Rossi Company<br>Client: Province of Latina<br>Level: Feasibility Study<br>Responsibility: designer for Tonelli-Zorzi Office  |
| 2004-2005                          | Job title: Valorization of an old military barrack<br>Client: Resources for Orvieto Spa; Orvieto<br>Level: Feasibility Study<br>Responsibility: designer for Tonelli-Zorzi Office  |
| 1996, May<br>1997, May             | Job title: Management Plan of Saint Paul Basilica Area in Rome<br>Client: Public Agency for the Jubilee of the year 2000<br>Level: built<br>Responsibility: technical coordinator  |
| 1995, Oct-<br>Nov                  | Job title: redesign of Oberdan Square and Plozner park in Sabaudia<br>Client: Sabaudia Municipality<br>Level: competition<br>Responsibility: designer w L. Giovannardi, E. Forte<br>(The project is published on <i>Cento idee per piazza Oberdan</i> , Comune di Sabaudia, 1997)                            |

**Public procurement management**

|                        |   |
|------------------------|---|
| 2003, Jun<br>2004, Mar | Advisor for the International Competition Rules of the Ideas Competition for «Lungomare di Roma» of the Rome Municipality - Municipio XIII  |
| 2002, Oct<br>2003, Jan | Technical coordinator and President of the Technical Committee for the Architectural Competition «A memorial for the deaths of 1943, 19 <sup>th</sup> July in San Lorenzo» of the Municipality of Rome. |
| 2001, May<br>2003, Apr | Member of the National Commission for the definition of standard cost of healthcare facilities and educational buildings - Authority of Public Works  |
| 2000, Feb              | President of the Technical Committee in the Jury of the International Competition for a New Congress Centre in Rome (Jury President: sir Norman Foster)   |
| 2000, Jan -<br>Dec     | Technical coordinator of the Office for Architectural Competitions of the Municipality of Rome.   |
| 1997, Nov<br>1998, Oct | Technical coordinator and President of the Technical Committee for the International Competition for the design of pedestrian bridges in the city of Rome.  |

#### CONFERENCES, CONGRESSES, MEETINGS

##### Chairing and organization

|                            |   |
|----------------------------|---|
| 2015-2017                  | Chair of the National Tour Future Build 2017-2016-2015  |
| 2015, Mar -<br>Sep         | 31th International PLEA Conference, ARCHITECTURE IN (R)EVOLUTION   Member of the Technical Committee, Chairman of parallel Sessions, Reviewer   |
| 2015, Mar<br>- May         | Chair of a National Tour of 20 conferences on "Urban regeneration, sustainability, lighting and natural ventilation, energy efficiency"   |
| 2015, Apr 3                | Roma TRE University, Rome Italy<br>Chair and organization of meeting on How to deal with illegal housing: a lesson from Argentina "Villa 31 in Buenos Aires"  |
| 2014,<br>Mar 19 -<br>Jun 6 | Chair of a National Tour of 15 conferences on "Sustainability, lighting and natural ventilation, energy efficiency and Active House" promoted by VELUX, Schüco, Rockwool and Knauff - Pescara, Ancona, Napoli, Bari, Lecce, Firenze, Bolzano, Milano, Roma, Turin, Bergamo, Bologna, Padova, Udine, Italy |
| 2013, Dec<br>10            | Organization of the Meeting with Walter Ganapini, expert on "Waste Management", Roma TRE University, Department of Architecture   |
| 2013, Oct<br>25            | Chairing and Organization of the Final International Conference of the Leonardo project "TTSB Training Tool for Sustainable Buildings", Roma, Italy   |
| 2013, Oct 2-<br>4          | Definition of the call, reviewing, chairing and organization of the one-day Session "Architecture, Sustainability, Energy" of the 9 <sup>th</sup> International Congress "Virtual City and Territory" - CITY MEMORY PEOPLE, University of Roma TRE, Rome, Italy   |
| 2013, Jun 6                | Conference "Costruire sul costruito (Build on built)", Builders Association, Ascoli Piceno, Italy   |
| 2012, Oct<br>31            | Seminar: "Design for All: a Town objective", with Lucia Martincigh, Department of Architecture, Roma TRE University, Roma, Italy  |
| 2012, Oct<br>21            | Seminar: "Materials and Technologies that let MED in Italy win the 1 <sup>st</sup> award in Sustainability at Solar Decathlon 2012", SAIE Bologna, Italy  |
| 2011, Jun<br>13            | "MED in Italy meets LumenHaus. The building process of a winning prototype", Keynote speaker Joe Wheeler of Virginia Tech, Roma TRE University, Rome, Italy   |
| 2011, Mar,<br>22           | Seminar: "Accessibility: a Town goal" with Lucia Martincigh, Roma TRE University, Rome, Italy   |
| 2010, Sep<br>9-10          | Cost Action n. 358 Meeting, w L. Martincigh, Rome Italy   |

Peer-reviewed



|                         |   |
|-------------------------|---|
| 2017, Aug<br>21-23      | EADI NORDIC Conference "Globalisation at the Crossroads. Rethinking inequalities and boundaries" (Bergen, NW)<br>Paper presented: "Minimum Requirements for essential buildings: technological contribution to the resilience Framework" (w. I. Montella)   |
| 2017, June<br>26-30     | 3rd International Conference "Changing Cities: spatial, design, landscape & socio-economic dimensions" (Syros, Delos, Mykonos, GR)<br>Paper presented: "Housing emergency and minimum requirements for reception: contribution to the strategy of resilience" (w. I. Montella)  |
| 2017, June<br>12-14     | XX Conferenza Nazionale SIU, "Urbanistica è/e azione pubblica. La responsabilità della proposta" (Roma, I)<br>Paper presented: "Requisiti minimi per risposte abitative essenziali di natura temporanea: contributo tecnologico al framework di resilienza" (w. I. Montella)  |
| 2016, Nov<br>24-26      | International Symposium "Migration and the Built Environment in the Mediterranean and the Middle East" (Napoli, I)<br>Caumme 3, Paumme 1 - Contemporary Architecture & Urbanism in the Mediterranean and the Middle East, Project of Architecture & Urbanism in the Mediterranean and the Middle East<br>Paper presented: "Migration and Housing Environments" (w. I. Montella)   |
| 2015, Dec<br>7/9        | Building Simulation Conference, Hyderabad INDIA<br>Abstract accepted (w. S. Converso, I. Montella, V. Panasiti): Simulation of Dynamic Thermal Behavior for housing in warm climate: open scientific problems   |
| 2015, Nov<br>3/4        | <b>Advanced Building Skins (Berna, CH)</b><br>Speaker in Sessions:<br>1. Lessons learned from the Solar Decathlon Competitions 2014 and 2015. Abstract accepted (w I. Montella): Housing emergency: a densification adaptive methodology<br>2. Lessons learned from the Solar Decathlon Competitions 2014 and 2015. Abstract accepted (w I. Montella & V. Panasiti): Inertial mass for lightweight drystone stratigraphy<br>3. Architectural Integration of Solar Technologies into the Building Skin. Abstract accepted (w S. Converso): Symbiosis between solar technologies in the building envelope |
| 2015, Sept<br>9/11      | 31th International PLEA Conference, ARCHITECTURE IN (R)EVOLUTION<br>Abstract accepted (w S. Converso): Architectural energy kit: the thermodynamic balustrade   |
| 2013, Oct 5             | Speaker in the Session 7: "Computation: Environment and Architectural Innovation" at the International Conference on the "Environmental Design for Innovation in the post Crisis World", ENHSA "European Network of Heads' of School of Architecture", Naples, Italy  |
| 2011, Jun<br>20         | "Sustainable buildings" in PANEL III "Architecture" at the SIF (Sustainability International Forum), Sala Promototeca Campidoglio, Roma, Italy  |
| 2010, Nov<br>17-19      | "The walking environment design" at 11th International Conference for Walking «WALK21 Getting communities back on their feet», The Hague, Netherlands   |
| 2010 May<br>27-29       | "To re-orient the design approach towards an environmental culture" in EAAE-European Association for Architectural Education, International Conference "Teaching a new Environmental Culture. The Environment as a Question of Architectural Education", Nicosia, Cyprus  |
| 2008 Jun<br>23-25       | Children Healthcare Facilities evolution: un historical glance, 28° UIA-PHG International Seminar «The Culture for the Future of Healthcare Architecture», Florence, Italy  |
| <b>Invited lectures</b> |   |
| 2015-<br>present        | She took part at around 10 conferences per year   |
| 2015, May 8             | ClimateHouse Agency, Verona Italy<br>A responsible living: high efficiency housing  |

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| 2015, Mar<br>20                 | MADEexpo, Italian Building Fair, Milan Italy<br>The winning project of Solar Decathlon 2014  |
| 2014, Dec 3                     | GBC Chapter Lazio, Rome<br>Future living on Mediterranean shores   |
| 2014, Nov<br>28                 | Keynote speaker at the Daikin week - Lecture on "How to create a successful team with small resources" - Turin, Italy  |
| 2014, Nov<br>12                 | Keynote speaker at the ClimaHouse Conference "The Casaclima model for Mediterranean Areas" - Catania, Italy  |
| 2014, Oct<br>18                 | Keynote speaker at Novo Modo Conference "Pane e giustizia: responsabilità, libertà, innovazione" - Firenze, Italy  |
| 2014, Oct 3                     | Speaker at the Round Table on "Transfer of Knowledge" in the Session "Technology Transfer" at the "XI International Symposium of University Professors" - Roma, Italy                |
| 2014, Sep<br>26                 | Keynote speaker at "U FEEL! University For Energy Efficiency and Lighting", meeting on <i>best practices</i> in energy efficiency management in academic campus - Maxxi, Roma, Italy |
| 2014, Sep<br>20                 | Keynote speaker at "Creativity for innovation", Verona, Italy  |
| 2014, Sep<br>11                 | Keynote speaker at "Costruire, Abitare, Futuro (Build, Live, Future)", Rubner Group, Chienes, BZ, Italy  |
| 2014, Aug 1                     | Round Table on "Bio-building" at "Ecofuturo 2014"- Gubbio, Italy   |
| 2014, June<br>1 <sup>st</sup>   | Lecture at "Verde Ambiente" VAS Award - Sorrento, Italy  |
| 2014 May<br>14                  | Lecture at "Il monito del giardino" 5 <sup>th</sup> edition Award - Firenze, Italy   |
| 2014 Apr 4                      | Keynote speaker at "Zero consume architecture?", Legambiente, Rome, Italy  |
| 2014, March<br>31 <sup>st</sup> | Chair of a Home Institution Conference "ARCHITETTURA SI RACCONTA: il progetto RhOME", Roma, Italy  |
| 2014, Feb<br>11 <sup>th</sup>   | Keynote speaker at "Progetto futuro (Future project)", Formedil - Chamber of Building Companies, Perugia, Italy  |
| 2013, Dec 7                     | Round Table on "The Great Beauty" organized by the Italian Green Party, Rome, Italy  |
| 2013, Oct<br>26                 | Round Table on "Renewable Energy" organized by the Italian Green Party, Rome, Italy  |
| 2013, Oct<br>18                 | Keynote speaker at the ClimaHouse Conference "NZEB or Mediterranean Areas", Bastia Umbra, Italy  |
| 2013, Oct 3-<br>4               | Speaker at Smart Village 2013, Made Expo, Milano, Italy  |
| 2013, Sep 5                     | Speaker at the International Meeting on Leonardo project "TTSB Training Tool for Sustainable Buildings" Voralberg, Austria   |
| 2013, May<br>27                 | Speaker at the Conference on "Multistory Timber Building" on "Timber Buildings for Mediterranean Climate", MAXXI, Rome, Italy  |
| 2013, Apr<br>19                 | Speaker at the round table on "Quanto consuma la mia casa? (How much energy does my home consume?)", organized by the Public House Property of Florence, Italy                       |
| 2013, Apr<br>17                 | Keynote speaker on "Why to build NZEB?" in "Abitare verde (Green Living)", Chamber of Italian Architects, Rome, Italy  |
| 2013, mar 7                     | Speaker "A gender success in the architectural field" in "Donne sull' orlo della crisi ..." Euro-Parliament, Rome, Italy   |
| 2013, Feb 7                     | Speaker on "Med in Italy: a prototype of sustainable Mediterranean house" in Future Build The exhibition of Sustainability, Faire of Parma, Parma, Italy                             |
| 2013, Jan<br>25                 | Opening Speaking of the International ClimaHouse Conference "The indoor comfort meet sustainability", ClimaHouse Faire, Bolzano, Italy   |

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| 2012, Nov 7  | International Biennale Florens 2012 on "City of the new world", Palazzo Vecchio, Firenze, Italy  |
| 2012, Nov 6  | Presentation of the Solar Decathlon project MED in Italy, Lab of Labs, Triennale of Milan, Milano, Italy   |
| 2012, Oct 25 | Presentation "Une ville pour tous. Le cas Italien", Final Seminar for "Training Tools for Accessible Towns", Mairie du III Arrondissement, Paris, France |
| 2012, Oct 20 | Speaker at SAIE Building Faire on "Med in Italy at Solar Decathlon", Bologna, Italy  |
| 2012, Feb 16 | "High Mediterranean Efficiency: MED in Italy at Solar Decathlon Europe" in the Conference "Mediterranean Living and Active House", Reggio Emilia, Italy  |
| 2011, Nov 18 | Keynote speaker at "BioArchitecture Week" on "MED in Italy at Solar Decathlon 2012", BIOECOLAB, Modena, Italy  |
| 2011, Oct 28 | "High Mediterranean efficiency" in Public Conference: Les Bâtiments durables, Mairie du III Arrondissement, Paris, France                                |
| 2011, Oct 8  | Speaker "Town for All. Postcards from Italy" in the Meeting for "TTAT-Training Tools for Accessible Towns" program dissemination, London, UK             |
| 2011, Aug 25 | Keynote speaker on "La Casa Sustentavel" in IV CONGRESSO INTERNACIONAL DE ARQUITETURA & URBANISMO E ENGENHARIA CIVIL, Foz do Iguaçu - Brasil             |

#### Industry-sponsored conferences and workshops

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|-----------------|--|
| 2014, Oct 22-23 | Cape Town, World Design Capital 2014   Invited speaker for 2 Conferences on «Innovation in Architecture», funded by ITA - Italian Trade Agency, Cape Town, South Africa. |
| 2014, Jan 27-31 | Organization of the Workshop "Design with lighting. Day-lighting and natural ventilation control devices" with VELUX, Roma TRE University, Department of Architecture    |
| 2013, May 4-5   | Speaker in the National Tour of conferences "Smart Village in Tour" on "Sustainable building for Mediterranean Climate", Rimini and Ancona, Italy                        |
| 2013, Apr 30    | Speaker in the National Tour of conferences "Smart Village in Tour" on "Sustainable building for Mediterranean Climate", Confindustria, Roma, Italy                      |
| 2012, Nov 23    | Keynote speaker at JOB&Orienta meeting for green-building jobs, Verona, Italy  |
| 2012, Apr 18    | Speaker at the 6 <sup>th</sup> Textile Innovation Day on "Textile Buildings? New materials for the sustainable living" Polo tessile, Biella, Italy                       |

#### International Fairs for promoting designs or devices (+ design of exhibition stands)

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| 2014, Oct 22-25   | The RHOME for denCity model at the SAIE Building Fair, Bologna, Italy   |
| 2014, Oct 3-5     | «Dwell!», the digital device to enhance users awareness on energy management in housing presented at Maker Faire Rome                             |
| 2014, Jan 23 - 26 | Presence of RHOME for denCity models at Klimahaus - International Fair on energy efficiency and building refurbishment, Bolzano, Italy            |
| 2013, Nov 6-8     | Presence of RHOME for denCity model at BATIMAT, International Building Fair, Paris, France  |
| 2013, Oct 3-6     | The digital concept on users awareness in housing is presented at the 1 <sup>st</sup> Maker Faire Rome  |
| 2013, Jan 24 - 27 | Presence of RHOME for denCity model at Klimahaus - International Fair on energy efficiency and building refurbishment, Bolzano, Italy             |
| 2012, Oct 18-21   | The real MED in Italy prototype at the SAIE Building Fair, Bologna, Italy   |
| 2012, Jan 26 - 29 | Presence of RHOME for denCity model and mock up at Klimahaus - International Fair on energy efficiency and building refurbishment, Bolzano, Italy |

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| 2011, Oct 5-8       | MED in Italy mock up and model at the <u>SAIE Building Fair</u> , Bologna, Italy                                  |
| 2011, Mar 17-Nov 20 | MED in Italy model at Exhibition of the most innovative project in Italy: " <u>Future Station</u> ", Turin, Italy |
| 2011, May 16-21     | MED in Italy model at <u>CONSTRUMAT Building Fair</u> , Barcelona, Spain  |

#### TV SHOW presenter and TED conferences speaker

She took part as guest to many TV shows and Radio programs, and writes regularly on the blogs: *Che Futuro!* and *Huffington Post*, in the believing that dissemination is a very important goal and that every *media* could help in this mission.

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| 2017, May    | Speaker at TEDx Reggio Emilia, "Living as a common good"  |
| 2015, Mar    | "Scala Mercalli", TV show on Environmental disaster and opportunities   Role: invited speaker. National Channel RAI TRE.  |
| 2014, Nov    | "The classroom", TV Reality on bringing back students at school   Role: Teacher on Environmental topics. TV Channel "TV2000"  |
| 2013 Jun 1   | Speaker at TEDx Milan, "Smart citizen for active houses", Milan, Italy  |
| 2013         | Host at RAI TRE (National TV Channel) show "Geo & Geo" in the block on the "Sustainable House"  |
| 2012 June 17 | Ted style Conference "NEXT: 30 Italians who will change our life. Future is back" for the 1 <sup>st</sup> edition of "La Repubblica delle idee", a format of the main Italian newspaper, Bologna, Italy |
| 2012         | "La casa che verrà" TV show Host on the prototypes presented at the 2011 Solar Decathlon Edition in Washington DC, USA  |
| 2005-2013    | "Comfort for stranger" a reality on Interior Design and Architecture. TV show Presenter of 12 series on Real Time Discovery Channel (Sky platform and digital)  |

#### ACADEMIC RESPONSIBILITY

##### At post graduated degree

|                         |  |
|-------------------------|--|
| Advisor<br>2017-2019    | Research fellowship in Technology of Architecture, University of Roma TRE, Italy – Ilaria Montella «Housing Emergency and new Dwelling Models»   |
| Advisor<br>2016-2019    | XXXII Doctoral program in Technology of Architecture, University of Roma TRE, Italy Nicola Moscheni's thesis on «School Building Innovation and new educational models»  |
| Reviewer<br>2016-17     | Doctoral program in Energy Efficiency, University Rome Sapienza, Italy   |
| Advisor<br>2015-2018    | XXXI Doctoral program in Technology of Architecture, University of Roma TRE, Italy Barbara Cardone's thesis on « Residential environment and society, relationship between housing needs and geometry of the space for new building standard»  |
| co-advisor<br>2013-2015 | XXVIII Doctoral program in Technology of Architecture, University of Florence, Italy Ilaria Montella's thesis on «Housing emergency. Analysis and proposals for informal city: from inhabitants resilience to the urban regeneration», Advisor R. Bologna                                    |
| Advisor<br>2013-2015    | Research fellowship in Technology of Architecture, University of Roma TRE, Italy - Stefano Converso «Parametric Design of Thermodynamic facade cladding systems»   |
| Reviewer<br>2014        | Doctoral program in Building Engineering, Polytechnic of Milan, Italy Arianna Brambilla's Ph.D. Thesis on «Mediterranean Active House: analysis of climate and users impact on energy and indoor comfort in the new efficiency standard for sustainable buildings», Advisor Marco Imperadori |
| Advisor<br>2014-2015    | Scholarship in Technology of Architecture, University of Roma TRE, Italy on «Fast assemblies construction technics for informal settlements» F.Ferlicca, I. Montella, V. Panasiti  |

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| Advisor<br>2012-2013             | Scholarship in Technology of Architecture, University of Roma TRE, Italy<br>Ilaria Montella on «Sustainable Building e-learning tools»   |
| Advisor<br>2011-2012             | Research fellowship in Technology of Architecture, University of Roma TRE, Italy<br>Stefano Converso on «Software Interoperability in Integrated Design»                                     |
| co-advisor<br>2012               | Scholarship in Technology of Architecture, University of Roma TRE, Italy<br>Cecilia de Marinis, Gaia Romeo on «Accessible Towns»   |
| Advisor<br>2012                  | Scholarship in Technology of Architecture, University of Roma TRE, Italy<br>Massimo Del Buono, Maria Leporelli on «Solar energy production»  |
| Advisor<br>2012                  | Scholarship in Technology of Architecture, University of Roma TRE, Italy<br>Flaminia De Rossi, Giulia Maranesi on «Safety in building sites: the timber construction assembly risks»         |
| Advisor<br>2012                  | Scholarship in Technology of Architecture, University of Roma TRE, Italy<br>Riccardo Magnisi, Marta Pellegrini on «To render graphically a design concept: the bioclimatic behavior schemes» |
| co-advisor<br>2011-2012          | Research fellowship in Technology of Architecture, University of Roma TRE, Italy<br>Pietro Mencagli on «E-learning tools for accessible towns»   |
| <b>At under-graduated degree</b> |  |
| 2004-<br>present                 | She has been main advisor of around 30 theses at Bachelor Degree at home institution.  |
| 2000-<br>present                 | She has been co and main advisor of around 50 theses at Master Science Degree at home institution and Sapienza University of Roma.   |

## TEACHING ACTIVITY

**Post-lauream**

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|------------------------|--|
| 2015, Jan              | Free University of Bozen Italy   Master ClimateHouse on «Building Energy Performances»   «Design Principles at Building scale» (32 h) - Selection July 2014            |
| 2014-2015<br>2012-2013 | Roma TRE University   Master on Sustainable Design<br>Taught module: "Environmental design"  |
| 2014, Jan              | Workshop ITAD - Italy Top Architecture Drawing Study Tour for Shanghai Students  |
| 2013, July             | Workshop International DfWA Design for Waterfront Architecture   |
| 2012-<br>present       | Roma TRE University   Ph.D. in «Landscapes of the contemporary City. Politics, technics and visual studies»  |
| 2009-2010              | Roma TRE University   Advanced Course «Building site Management». Taught module: "Technological design for Architecture" (4 ECTS)   member of the Scientific Committee |
| 2004-2009              | Sapienza of Rome University   Master on Health and Care Facilities<br>Taught module: "Technology of Architecture" (4 ECTS)   |

**Master science degree at home institution as lead faculty**

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|-----------|---|
| 2014-2015 | MSc in Architecture   «Technology of Architecture» (6 ECTS) 1st y - Fall semester |
| 2008-2009 | MSc in Urban design   «City and Environment» (6 ECTS)                             |
| 2007-2008 | MSc in Urban design   «Culture of the Architectural Technology» (6 ECTS)          |

**Master science degree at home institution as co-instructor**

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| 2014-2015              | MSc in Architecture   «Construction Design Workshop» (4 ECTS) 1st y - spring semester (4 profs involved/4ECTS each)  |
| 2013-2014<br>2012-2013 | MSc in Architecture   «Architectural Design Workshop 2M (16 ECTS) 1st y – spring semester (3 profs involved – her task 2 ECTS)   |
| 2013-2014<br>2012-2013 | MSc in Architecture   «Architectural Design Workshop» 1M (12 ECTS) 1st y – Fall semester This course is conceived as an intensive workshop of 10 days. In the 1st year best students' design proposal has selected for Solar Decathlon 2014. In the 2nd year this workshop focused on day- |

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|                                     | lighting: the urban building and the prototype presented at Solar Decathlon 2014 have been verified through the job carried out in the workshop.   |
|                                     | <b>Bachelor degree in Architecture at home institution as lead faculty</b>   |
| 2011-2012<br>2010-2011              | «Construction Design Workshop» (10 ECTS) 2 <sup>nd</sup> y - spring semester   |
| 2009-2010<br>2008-2009<br>2007-2008 | «Environmental Design» (8 ECTS) 2 <sup>nd</sup> y - spring semester  |
|                                     | <b>Bachelor degree in Architecture at home institution as co-instructor</b>  |
| 2013-2014<br>2012-2013              | «Architecture Design Workshop 2» (10 ECTS) (2 profs involved - her task 2 ECTS)  |
|                                     | <b>Visiting professorship</b>  |
| 2017, Nov                           | Centro Universitário Dinâmica das Cataratas - UDC. Foz do Iguaçu, Brasil   Course "Sustainable Housing" 24 h   |
| 2014-2015                           | TUM Germany   Chair of «Building Construction and Material Science»<br>Seminar on «High Energy Efficiency Buildings for Mediterranean Climate» (3 ECTS) at MSc D - Fall semester (Oct-Mar)   |
| 2014,<br>Feb-Mar                    | WIT-Waterford Institute of Technology   Erasmus Intensive Programs «Building Envelops retrofitting» (4 ECTS at post-graduate level). 15 days workshop for Roma TRE Italy, Paris Malaquais France, WIT Ireland and TUM Germany w 15 students each, funded by the EC.  |
| 2011, Aug                           | Centro Universitário Dinâmica das Cataratas - UDC. Foz do Iguaçu, Brasil   Course "Sustainable Housing" 24 h   |
| 2006-2007<br>2005-2006              | Sapienza University of Rome   BD in «Project Management»<br>«Technology of Architecture» (8 ECTS) 3 <sup>rd</sup> y - spring semester  |
| 2002-2003<br>2001-2002              | Sapienza University of Rome   MSc in «Architecture UE»<br>«Culture of the Architectural Technology» (8 ECTS) 5 <sup>th</sup> y - fall semester   |
| 2001-2002                           | Sapienza University of Rome   BD in «Interior Design»<br>«Industrial Production» (4 ECTS) 2 <sup>nd</sup> y - spring semester  |
| 2001                                | Roger Williams University in Rome   Studio Design Visiting critic   spring & fall  |
| 2000-2001                           | Sapienza University of Rome   BD in Building Construction<br>«Technology of Architecture» (4 ECTS) 3 <sup>rd</sup> y - fall semester   |
|                                     | <b>Invited lectures at international universities</b>  |
| 2017, 31 <sup>st</sup><br>October   | Centro Universitário Dinâmica das Cataratas - UDC. Foz do Iguaçu, Brasil   Lecture "Climate Change and Energy Efficiency in Housing"   |
| 2017, 30 <sup>th</sup><br>October   | Centro Universitário Dinâmica das Cataratas - UDC. Foz do Iguaçu, Brasil   Lecture "Housing Evolution"   |
| 2015, Mar<br>18 <sup>th</sup>       | Universidad Internacional Menéndez y Pelayo. Sede de Sevilla   Lecture in "Investigación en vivienda industrializada con energías renovables. Solar Decathlon y Proyecto Siver" on «Regeneración urbana a través de edificios eficientes en madera» (Urban regeneration through timber efficient building) |
| 2014, Oct<br>28 <sup>th</sup>       | UNSAM Università di San Martin, Buenos Aires Argentina   Lecture in the "Taller de Arquitectura y Urbanismo" on «Soluciones de regeneración urbana a través de edificios con energía positiva» (Solutions of urban regeneration through positive energy building)  |
| 2013, June<br>25 <sup>th</sup>      | TUM Germany   Visiting critic and lecture on «How to design high efficient buildings» at the visiting chair «Emerging Technologies» Prof. M. Cucinella   |
| 2013, June<br>13 <sup>th</sup>      | Polytechnic of Milan, Italy   Lecture to Msc Students on «MED in Italy, the sustainable house for the Mediterranean climate»   |
| 2013, June                          | University of Ascoli, Italy - Lecture to Msc Students on «How to design high efficient   |

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| 5 <sup>th</sup>            | buildings for Mediterranean Climate»   |
| 2013, May 31 <sup>st</sup> | University of Pescara, Italy - Lecture to Msc Students on «How to design sustainable buildings»  |
| 2013, Apr 23 <sup>rd</sup> | Sapienza University of Rome, Italy - Lecture to Msc students on «High efficient buildings for mild-warm climates»  |
| 2012, Nov 10               | Inter-departmentally course of Roma TRE University on «Gender, Profession and Institution»   Lecture on «Female leadership: the Solar Decathlon case»                      |
| 2009, May 15 <sup>th</sup> | Inter-departmentally course of Roma TRE University on «Gender, Profession and Constitution»   Lecture on «The building site: from an opportunistic site to an opportunity» |

## HIGHER EDUCATION

|                                      |   |
|--------------------------------------|---|
| 1996-1999 discussion<br>2000, Apr 28 | PhD at Sapienza University of Rome<br>Tutor: Prof. Roberto Palumbo<br>Topic: Technological design for Architecture «Morphological quality. Strategies to orient the constructive process» |
| 1988-1995                            | Bachelor and Master degree in Architecture at Sapienza University of Roma   |
| 1994                                 | Post-graduated Master degree in «Urban Studies and Architecture Seminar», New Jersey Institute of Technology, New Jersey, USA   |
| 1993-94                              | ERASMUS scholarship for 9 months at the School of Architecture of the University of Geneva, Switzerland   |

## Publications

### Articolo in rivista

Salvai, Graziano; Brambilla, Arianna; Tonelli, Chiara; Imperadori, Marco (2017). Comfort analysis applied to the international standard "Active House". The case of RhOME, the winning prototype of Solar Decathlon 2014. DOI:10.1016/j.jobee.2017.05.017. In JOURNAL OF BUILDING ENGINEERING - ISSN:2352-7102

Salerno Ginevra, Teresi Luciano, Tonelli Chiara, Vitale Valeria (2016). Numerical modelling of structural cooling in Mediterranean climate. INTERNATIONAL JOURNAL OF VENTILATION, vol. 15:2016, ISSN: 1473-3315, doi: 10.1080/14733315.2016.1221571

Tonelli Chiara (2016). Riscaldamento globale e comfort estivo degli edifici. KLIMAHaus-CASAclimate, vol. Casaclimate Due Gradi, p. 16-17

Tonelli C (2015). Costruzioni ad energia positiva per la rigenerazione urbana dei quartieri informali. ECO WEB TOWN, ISSN: 2039-2656

Tonelli C, Converso S (2015). DWELL! "More information, less automation": il comportamento degli utenti al centro della gestione dell'efficienza energetica in ambito residenziale. INGENIO, vol. 31/03/2015, ISSN: 2307-8928

Tonelli C (2015). NZEB in clima caldo temperato. INGENIO, vol. Dossier luglio, ISSN: 2307-8928

Tonelli Chiara (2015). Scenari sostenibili per il cambiamento. Verso la transizione energetica e la decarbonizzazione della nostra società. ROMA TRE NEWS, p. 36-38, ISSN: 2279-9206

Bellingeri G, Tonelli C (2015). Sinergie Vincenti. ALPS, vol. Winter, p. 48-54, ISSN: 2038-4009

Tonelli C (2014). "RhOME for denCity", il progetto italiano che ha vinto il primo premio al Solar Decathlon 2014. GA. GAZZETTA AMBIENTE, vol. Anno XX n.5/2014, p. 5-31, ISSN: 1123-5489

Tonelli C, Converso S (2014). Digital mirror: a method to shape Smart Citizenship. ENERGY AND BUILDINGS, vol. ENB5008, ENB-D-14-00023, ISSN: 0378-7788, doi: DOI information: 10.1016/j.enbuild.2014.04.032

- Bellingeri G, Tonelli C, Montella I (2014). EFFICIENZA ENERGETICA IN CLIMA MEDITERRANEO. AZERO, vol. 13, p. 48-57, ISSN: 2239-9445
- Tonelli C (2014). L'Italia va al Solar Decathlon con RhOME, a home for Rome. INGENIO, vol. 21, p. 1-63, ISSN: 2307-8928
- Tonelli C (2014). Less is more. INGENIO, ISSN: 2307-8928
- Tonelli C, Converso S (2014). RhOME for denCity- Solar Decathlon Europe 2014, Versailles — Università degli Studi Roma Tre. ARKETIPO, vol. 86, p. 20-146, ISSN: 1828-4450
- Tonelli C (2014). RhOME, il progetto italiano che ha vinto il Solar Decathlon 2014. L'INDUSTRIA DELLE COSTRUZIONI, vol. 439, p. 106-109, ISSN: 0579-4900
- Tonelli C, Grimaudo M (2014). Timber buildings and thermal inertia: open scientific problems for Summer behavior in Mediterranean climate. ENERGY AND BUILDINGS, ENB-D-13-01558, ISSN: 0378-7788, doi: 10.1016/j.enbuild.2013.12.063
- Tonelli C, Cardone B, Di Battista C, Di Benedetto F (2013). Dal "Sacro Gra" a "La grande bellezza": la proposta italiana per il Solar Decathlon 2014. ECO WEB TOWN, ISSN: 2039-2656
- Tonelli C (2013). MED in Italy, sostenibilità mediterranea nella vetrina internazionale del Solar Decathlon. GA. GAZZETTA AMBIENTE, vol. 3, p. 51-74, ISSN: 1123-5489
- Tonelli C (2012). Il Social Housing per il retrofit energetico: una proposta dal Solar Decathlon Energy retrofit via Social Housing: a proposal from Solar Decathlon. TECHNE, vol. 4, p. 334-342, ISSN: 2240-7391
- Tonelli C (2012). La valorizzazione degli immobili pubblici di interesse storico-artistico Development of publicly-owned properties of historic-artistic interest. TECHNE, vol. 03, p. 186-195, ISSN: 2240-7391
- Tonelli C (2012). Le attività di valorizzazione realizzate all'Università di Roma TRE. TECHNE, vol. 03, p. 365-366, ISSN: 2240-7391
- Tonelli C (2012). Med in Italy: alta efficienza mediterranea. PROTECTA, vol. 4, p. 63-66, ISSN: 1121-3124
- Tonelli C (2012). Strategie passive e attive in clima mediterraneo Passive and active strategies in mediterranean climate. ARKETIPO, vol. 67, p. 22-27, ISSN: 1828-4450
- Tonelli C (2011). L'Italia al Solar Decathlon. ARKETIPO, vol. 52, p. 22-23, ISSN: 1828-4450
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**LANGUAGE COMPETENCE (ACCORDING TO CERF LEVELS, C2 maximum, A1 minimum)**

|            |                        |
|------------|------------------------|
| Italian    | Mother tongue          |
| English    | C2, written, C2 spoken |
| French     | C2, written, C2 spoken |
| Spanish    | B2, written, C1 spoken |
| Portuguese | A1, written, A1 spoken |

*“Consapevole delle sanzioni penali, nel caso di dichiarazioni non veritiere, di formazione o uso di atti falsi, richiamate dall’art. 76 del D.P.R. 445/2000, dichiaro, altresì, di essere informato che i dati personali raccolti saranno trattati, anche con strumenti informatici, esclusivamente nell’ambito del procedimento per il quale la presente dichiarazione viene resa e che al riguardo competono al sottoscritto tutti i diritti previsti all’art. 7 della medesima legge”.*

Rome, November 28<sup>th</sup> 2017

Chiara Tonelli  
