

## PERSONAL INFORMATION

## Francesco Lo Monte



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Gender Male | Date of birth August 3<sup>rd</sup>, 1985 | Place of birth Milan | Nationality Italian

## PROFESSIONAL EXPERIENCE

Since January, 2011 **PhD Student, Post-doctoral Researcher and Structural Engineering Consultant**

*Politecnico di Milano, piazza Leonardo da Vinci, 32, 20133 Milan (Italy)*

PhD student at the School of Structural, Seismic and Geotechnical Engineering (January 2011 – March 2014; XXVI Cycle) and then Post-doctoral Researcher (since March 2014) at the Department of Civil and Environmental Engineering (DICA). Main activities:

▪ **Teaching assistant** in the courses of:

1. **Structural Design** (Civil Engineering, Politecnico di Milano; SSD: ICAR/09; since 2011)
2. **Structures and Seismic Design** module within the *Laboratory of Design and Construction of Architecture* (Architecture, Politecnico di Milano; SSD: ICAR/09; since 2017)
3. **Structural Design** module within the *Laboratory of Technological and Structural Design* (Architecture, Politecnico di Milano; SSD: ICAR/09; from 2014 to 2016)
4. **Structural Design** (Architecture, Politecnico di Milano; SSD: ICAR/09; since 2014)

▪ **Lectures at Ordine degli Ingegneri** (in Milan and Verona) **in courses** on Fire Engineering **organized by ATE.**

▪ **Researcher** in the fields of (1) **Fire Engineering** (experimental investigations, and linear/non-linear Finite Element analyses) and (2) **structural diagnosis** (development of new techniques).

**Main funded projects** (for a total amount of about 100 000 €):

1. “*Continuous Deformation Monitoring under Coring for Stress State Identification in Tunnels*”, financed by Fondazione Lombardi Ingegneria (Switzerland)
2. “*High-Performance Concrete in Tunnels: the spalling sensitivity in case of fire*”, financed by Fondazione Lombardi Ingegneria (Switzerland)
3. “*Test Monitoring of Concrete Elements Exposed to Fire*”, partly financed by CSTB (France)
4. “*Concrete Behaviour in Fire: Interaction between Explosive Spalling and Stress, and Evaluation of Permeability at High Temperature*”, financed by Italcementi Group (Italy)

▪ **Reviewer** for the following **International Peer Reviewed Journals**:

1. Cement and Concrete Composite (Elsevier)
2. Construction and Building Materials (Elsevier)
3. Engineering Structures (Elsevier)
4. Materials and Structures (Springer)
5. Structural Concrete (Wiley)
6. KSCE Journal of Civil Engineering (Springer)

▪ **Participation to National and International Workshops and Conferences:**

1. 5th Int. Work. on “Concrete Spalling due to Fire Exposure”, Boras (Sweden), October 2017 (**Speaker and member of the Scientific Committee**).
2. 9th Int. Conf. “Structures in Fire” – SIF ’16, Princeton (USA), June 2016, (**Speaker**).
3. 4th Int. Work. on “Concrete Spalling due to Fire Exposure”, Leipzig (Germany), October 2015, (**Speaker**).
4. Int. Symp. Non-Destructive Testing in Civil Engineering, Berlin (Germany), September 2015, (**Speaker**).
5. 6th Int. Conf. on Mechanics and Materials in Design, Ponta Delgada (Portugal), July 2015, (**Attendant**).
6. Int. Fire Safety Symp. - IFireSS, Coimbra (Portugal), April 2015, (**Speaker**).
7. 20th Congress C.T.E., Milan (Italy), November 2014, (**Speaker**).
8. 2nd European Conf. on Earthquake Engineering and Seismology, Istanbul (Turkey), August 2014, (**Speaker**).
9. 8th Int. Conf. “Structures in Fire” – SIF ’14, Shanghai (China), June 2014, (**Speaker**).
10. “Giomate Aicap 2014, Strutture nel Tessuto Urbano”, Bergamo (Italy), May 2014, (**Speaker**).
11. 3rd Work. ACI Italy Chapter, “The new boundaries of Structural Concrete”, Bergamo, October 2013, (**Attendant**).
12. 3rd Int. Work. on “Concrete Spalling due to Fire Exposure”, Paris (France), Sept. 2013, (**Speaker**).
13. Int. Conf. “Applications of Structural Fire Engineering 2013” Prague (Czech Republic), April 2013, (**Speaker**).
14. 19° Congress C.T.E., Bologna (Italy), November 2012, (**Attendant**).
15. 4th Int. Symp. “Bond in Concrete 2012: Bond, Anchorage, Detailing”, Brescia (Italy), June 2012, (**Speaker**).
16. 7th Int. Conf. “Structures in Fire” – SIF ’12, Zurich (Switzerland), June 2012, (**Attendant**).
17. 2nd Int. Work. on “Concrete Spalling due to Fire Exposure”, Delft (Netherlands), Oct. 2011, (**Attendant**).

▪ **Co-Supervisor in Master's Degree Theses:**

1. Ultrasonic Real-Time Monitoring Of Concrete Damage and Spalling Progression in Fire Tests, Student: Michele, Zerboni, (2017), Supervisor: Felicetti.
2. Incremental Core Drilling Method In Tunnel Linings: Parametric Analysis And Experimental Issues, Student: Lotfi, Shahdad, (2017), Supervisor: Felicetti.
3. Concrete Modeling In Hot Conditions: Cracking Behavior And Material Stiffness Decay, Wang, Xuejing, (2016), Supervisor: Felicetti.
4. Experimental Investigation On Spalling Sensitivity Of Concrete Under Heating And Biaxial Loading, Student: Zhi, Haibin, (2015), Supervisor: Felicetti.
5. Metodo Sperimentale Per Lo Studio Dello Spacco Esplosivo Nel Calcestruzzo Soggetto Ad Incendio, Students: Scaciga, Gabriele; Piovani, Alessandra Antonella, (2014), Supervisor: Felicetti.
6. Mix Design Effect On The Compressive Behaviour Of Concrete At High Temperature, Students: Li, Yuhang; Xu, Zhijin, (2014), Supervisor: Felicetti.
7. The Influence Of Pore Pressure On The Fracture Behaviour Of High Performance Concrete With And Without Polypropylene Fibres, Students: Miah, Md Jihad; Aktar, Shamima, (2013), Supervisor: Felicetti.
8. Il Fenomeno Dello Spacco Esplosivo Del Calcestruzzo Esposto Al Fuoco. Interazione Tra Pressione Nei Pori E Comportamento A Trazione, Students: Sciancalepore, Davide; Simonini, Alessandro, (2013), Supervisor: Felicetti.
9. Caratterizzazione Termomeccanica Di Calcestruzzi Esposti All'alta Temperatura E Diagnostica Del Danno, Negri, Riccardo, (2013), Supervisor: P.G. Gambarova
10. Studio Preliminare Sull'interazione Armatura Calcestruzzo In Elementi Tesi Di C.A. Esposti All'alta Temperatura, Biancini, Silvia, (2012), Supervisor: P.G. Gambarova
11. On The Influence Of Pore Pressure On The Apparent Tensile Strength Of Concrete, Students: Hacioglu, Murat; Ulak, Mehmet Baran, (2011), Supervisor: Felicetti.

▪ **Membership** in Associations and participation to Committees:

1. **RILEM member**, active in the Technical Committee 256-SPF: "Spalling of concrete due to fire: testing and modelling", aimed at establishing recommendations on experimental methods for characterizing spalling sensitivity of concrete in fire.

▪ **Engineering consultancy** in collaboration with the Laboratory of Material and Structural Testing (Laboratorio Prove Materiali e Strutture – LPM) at Politecnico di Milano:

1. **Structural diagnosis** on existing structures and infrastructures (industrial plants, tunnels, bridges and historical buildings) via destructive and non-destructive techniques
2. **Structural assessment**
3. **Structural and material characterization via laboratory testing** in ordinary or extreme conditions

May, 2010 –  
April, 2011

**Structural Engineer**

*Design Office ECSD S.r.l., Via Carlo Goldoni, 22, 20129 Milan (Italy)*

**Finite Element Modelling, Structural Analyses and Design.** Main projects regarded the static study of the steel facade in a tall building, the optimization of the steel structure for big solar trackers, the design of structural retrofitting of R/C buildings and bridges.

March, 2010 –  
May, 2010

**Facility Management and Safety**

*R. Bosch Italia, via Marco Antonio Colonna, 35, 20149 Milan (Italy)*

Management of maintenance works and safety assessment.

**EDUCATION**

January, 2011 –  
March, 2014

**PhD in Structural, Seismic and Geotechnical Engineering**

*cum Laude*

**Thesis:** "Reinforced Concrete in Fire: from Materials Behaviour to Spalling Sensitivity and Structural Modelling", Supervisors: P. G. Gambarova and R. Felicetti. *Politecnico di Milano, piazza Leonardo da Vinci, 32, 20133 Milan (Italy)*

October, 2007 –  
December, 2009

**Master Degree in Civil Engineering (Structures)**

110L/110

*Politecnico di Milano, piazza Leonardo da Vinci, 32, 20133 Milan (Italy)*

September, 2004 –  
July, 2007

**Bachelor Degree in Civil Engineering**

110L/110

*Politecnico di Milano, piazza Leonardo da Vinci, 32, 20133 Milan (Italy)*

September, 1999 –  
July, 2004

**High School Diploma**

100/100

*Liceo Scientifico G.B. Vico, via Leonardo da Vinci, 1, 20093 Cologno Monzese, Milan (Italy)*

**AWARDS**

Call for project  
financing by  
Lombardi Ingegneria

**Two projects selected:**

"Continuous Deformation Monitoring under Coring for Stress State Identification in Tunnels" (2016)  
"High-Performance Concrete in Tunnels: the spalling sensitivity in case of fire" (2013)

PhD Thesis

**Best three PhD thesis** in the competition "Innovation in Concrete Structures and Cementitious Materials" organized by ACI-Italy Chapter and Federbeton ACI in 2014

Master's Degree

**Best graduate in Civil Engineering at Politecnico di Milano in 2009**

## LANGUAGE

Native Language	Italian
Foreign Language	English (Toefl iBT, 88/120)

## FURTHER INFORMATION

Software	Programming Software: Matlab, Fortran Finite Element Analysis: ABAQUS, Sap 2000, PRO_Sap Others: Microsoft Office, Autodesk
Professional Board	Registered in the Official Civil Engineering Board of Milan since 2010 (matriculation number 28450)
International cooperations	<ul style="list-style-type: none"> <li>Since October 2013: <b>joint research projects on concrete with</b> Centre Scientifique et Technique du Bâtiment - <b>CSTB</b> (Paris, France)</li> <li>October 2013: Experimental investigation on pore pressure in concrete during heating, via neutron radiography at <b>Paul Scherrer Institute</b> (PSI, Villigen, Switzerland), <b>in cooperation with EMPA</b> (Dübendorf, Switzerland).</li> </ul>
Contribution in Books	<ul style="list-style-type: none"> <li><b>Author of two Chapters of "Strutture Resistenti al Fuoco:</b> Metodi di calcolo, tecnologie e procedure per una concreta sicurezza strutturale all'incendio", Editors: Pietro G. Gambarova, Alessandro P. Fantilli, Sergio Tattoni, EPC Editore, 504 pages, September 2017, ISBN: 978-88-6310-792-0.</li> </ul>
Publications in National and International Journals	<ul style="list-style-type: none"> <li>Lo Monte F, Felicetti R. and Jihad Md. J., "The Influence of Pore Pressure on Fracture Behaviour of Normal-Strength and High-Performance Concretes at High Temperature", submitted for possible publication in Cement and Concrete Composites, under review (March 2018).</li> <li>Gambarova P.G. and Lo Monte F. (2018), "Bending and Shear Behavior in One-Way Dapped-End R/C Slabs", submitted for possible publication in ACI Structural Journal, under review (March 2018).</li> <li>Lo Monte F. and Felicetti R., "Strutture in acciaio esposte al fuoco: analisi meccanica e verifiche di resistenza (Steel structures exposed to fire: mechanical analysis and strength check)", <i>Costruzioni Metalliche</i>, Sept-Oct 2017.</li> <li>Lo Monte F., Pozzuoli C., Mola E. and Mola F., "Seismic vulnerability assessment and retrofitting design of a multi-span highway bridge case study", <i>Journal of Bridge Engineering</i>, 2018, 23 (2): 05017016.</li> <li>Lo Monte F., Lombardi F., Felicetti R. and Lualdi M., "Ground-Penetrating Radar Monitoring of Concrete at High Temperature", <i>Construction and Building Materials</i> 151 (1), (2017), pp. 881–888.</li> <li>Lo Monte F. and Felicetti R., "Heated slabs under biaxial compressive loading: a test set-up for the assessment of concrete sensitivity to spalling", <i>Materials and Structures</i> 50 (4), art. n. 192.</li> <li>Felicetti R., Lo Monte F. and Pimienta P., "A new test method to study the influence of pore pressure on fracture behaviour of concrete during heating", <i>Cement and Concrete Research</i> 94 (2017), pp. 13–23.</li> <li>Toropovs N., Lo Monte F., Wyrzykowski M., Weber B., Sahmenko G, Vontobel P., Felicetti R. and Lura P., "Real-time measurements of temperature, pressure and moisture profiles in High-Performance Concrete exposed to high temperatures during neutron radiography imaging", <i>Cement and Concrete Research</i> 68 (2015), pp. 166-173.</li> <li>Bamonte P. and Lo Monte F., "Reinforced Concrete Columns Exposed to Standard Fire: Comparison among Different Constitutive Models for Concrete at High Temperature", <i>Fire Safety Journal</i> 71 (2015), pp.310-323, DOI: <a href="http://dx.doi.org/10.1016/j.firesaf.2014.11.014">http://dx.doi.org/10.1016/j.firesaf.2014.11.014</a>.</li> <li>Lo Monte F. and Gambarova P. G., "Corner Spalling and Tension Stiffening in Heat-Damaged R/C Members: a Preliminary Investigation", <i>Materials and Structures</i>, DOI: 10.1617/s11527-014-0429-x, 2014.</li> <li>Lo Monte F. and Gambarova P. G., "Thermo-Mechanical Behaviour of Baritic Concrete Exposed to High Temperature", <i>Cement &amp; Concrete Composites</i> 53 (2014), pp. 305-315.</li> <li>Lo Monte F., Bamonte P. and Gambarova P. G., "Physical and Mechanical Properties of Heat-Damaged Structural Concrete Containing Expanded Polystyrene Synthesized Particles", <i>Fire and Materials</i> (2014), DOI: 10.1002/fam.2230, 2014.</li> </ul>
Publications in Proceedings of International Workshops/Conferences	<ul style="list-style-type: none"> <li>Gambarova P.G., Lo Monte F. and Zecchillo M. (2018). "Ultimate and Fire Behaviors of an Industrial R/C Slab". Italian Concrete Days 2018, organized by It. Society for R/C and P/C Structures - AICAP and It. Society of the Building Experts – CTE, June 13-15, 2018, 8 pp., in press.</li> <li>Gambarova P.G., Lo Monte F., Mousavi S.M.S., Torregiani P.L., Zecchillo M. (2018). "Repairing and Upgrading of a Heavy-Duty R/C Slab". 2nd Int. Workshop on Durability and Sustainability of Concrete Structures – DSCS 2018, Moscow (Russia), June 6-7, 2018, 10 pp., in press as ACI – Special Publication.</li> <li>Bellanova M., Cucchi M., Felicetti R. and Lo Monte F., "Unconventional Applications of A1040 Mira Tomograph", Proceedings of the National Conference on Non-Destructive Techniques (Conferenza Nazionale sulle Prove non-Distruttive) organized by AIPnD, October 25-27, 2017, Milan (Italy).</li> <li>Lo Monte F., Felicetti R., Meda A. and Bortolussi A., "Influence of the Test Method in the Assessment of Concrete Sensitivity to Explosive Spalling", Proceedings of the 5th International Workshop on "Concrete Spalling due to Fire Exposure", Boras (Sweden), October 12-13, 2017.</li> <li>Miah J., Kallel H., Carré H., Pimienta P., Pinoteau N., La Borderie C., Lo Monte F. and Felicetti R., "The effect of loading on the residual gas permeability of concrete", Proceedings of the 5th International Workshop on "Concrete Spalling due to Fire Exposure", Boras (Sweden), October 12-13, 2017.</li> <li>Miah J., Lo Monte F., Felicetti R., Pimienta P., Carré H. and La Borderie C., "Experimental investigation on fire spalling behaviour of concrete: effect of biaxial compressive loading and cement type", Proceedings of the 5th International Workshop on "Concrete Spalling due to Fire Exposure", Boras (Sweden), October 12-13, 2017.</li> <li>Lo Monte F., Kalaba N. and Bamonte P., "On the extension of a plastic-damage model to high temperature and fire", Proceedings of the 2nd International Fire Safety Symposium – IFireSS 2017, Naples, Italy, June 7-9, 2017</li> <li>Lo Monte F. and Felicetti R., "Spalling sensitivity test on concrete", Proceedings of the Italian Concrete Days</li> </ul>

- (giornate aicap 2016, congresso cte), October 27 – 28, 2016, Rome (Italy).
- Bamonte P., Felicetti R., Kalaba N. and Lo Monte F., “Modelling the Structural Behaviour of R/C Walls exposed to Fire”, Proceedings of the Italian Concrete Days (giornate aicap 2016, congresso cte), October 27 – 28, 2016, Rome (Italy).
  - Gambarova P. G., Lo Monte F., Visentini R. and Zecchillo M., “Testing and Modelling Indirectly-Supported One-Way R/C Slabs without Shear Reinforcement”, Proceedings of the 4th Workshop on “the New Boundaries of Structural Concrete”, University of Naples Federico II – ACI Italy Chapter, Anacapri (Italy), September 29th – October 1st, 2016, pp. 35-44.
  - Gambarova, P.G. and Lo Monte, F., “Design issues about the bar lay-out at the dapped ends of simply-supported one-way R/C slabs”, Proceedings of the 8th International Conference on Concrete under Severe Conditions: Environment & Loading – CONSEC 2016, September 12-14, 2016, Lecco (Italy), Key Engineering Materials Vol 711 (2016), pp. 706-713.
  - Miah, Md.J., Lo Monte, F., Felicetti, R., Carré, H., Pimienta, P. and Borderie, C.L., “Fire spalling behaviour of concrete: Role of mechanical loading (uniaxial and biaxial) and cement type”, Proceedings of the 8th International Conference on Concrete under Severe Conditions: Environment & Loading – CONSEC 2016, Lecco (Italy), September 12-14, 2016, Key Engineering Materials Vol 711 (2016), pp. 549-555.
  - Bamonte, P., Felicetti, R., Kalaba, N., Lo Monte, F., Pinoteau, N., Miah, Md.J. and Pimienta, P., “On the structural behavior of reinforced concrete walls exposed to fire”, Proceedings of the 8th International Conference on Concrete under Severe Conditions: Environment & Loading – CONSEC 2016, September 12-14, 2016, Lecco (Italy), Key Engineering Materials Vol 711 (2016), pp. 580-587.
  - Felicetti R. and Lo Monte F., “Pulse-Echo Monitoring of Concrete Damage and Spalling during Fire”, Proceedings of the 9th International Conference Structures in Fire 2016 – SIF’16, June 8-10, 2016, Princeton (USA), pp. 851-858, ISBN: 978-1-60595-320-5.
  - Miah Md J, Lo Monte F., Pimienta P. and Felicetti R., “Effect of Biaxial Mechanical Loading and Cement Type on the Fire Spalling Behaviour of Concrete”, Proceedings of the 9th International Conference Structures in Fire 2016 – SIF’16, June 8-10, 2016, Princeton (USA), pp. 233-240, ISBN: 978-1-60595-320-5.
  - Felicetti R., Gambarova P. G., Lo Monte F. and Rossino C., “Heat-damaged Fibre-Reinforced HPC: Physical and Mechanical Properties from Meso and Macro Investigations”, Proceedings of the 4th International Symposium on Ultra-High Performance Concrete and High Performance Materials - HiPerMat 2016, Kassel (Germany), March 9-11, 2016.
  - Lo Monte F., Rossino C. and Felicetti R., “Spalling Test on Concrete Slabs Under Biaxial Membrane Loading”, Proceedings of the 4th International Workshop on “Concrete Spalling due to Fire Exposure”, Leipzig (Germany), October 8-9, 2015.
  - Lo Monte F. and Felicetti R., “Experimental Methods for Spalling Monitoring During and After a Fire”, Proceedings of the 4th International Workshop on “Concrete Spalling due to Fire Exposure”, Leipzig (Germany), October 8-9, 2015.
  - Gambarova P.G. and Lo Monte F., “Indirectly-supported one-way R/C slabs: Durability and safety issues”, (2015) American Concrete Institute, ACI Special Publication, 2015-January (SP 305), 1st International Workshop on Durability and Sustainability of Concrete Structures, DSCS 2015, Bologna (Italy) October 1-3, 2015, pp. 15.1-15.10.
  - Lo Monte F., Felicetti R., Luaidi M. and Lombardi F., “Concrete Damage and Spalling Monitoring in Fire Tests via Ultrasonic Pulse-Echo and Ground-Penetrating Radar”, Proceedings of the International Symposium Non-Destructive Testing in Civil Engineering – NDT-CE, Berlin (Germany), September 15-17, 2015.
  - Lo Monte F., Gambarova P. G., Xu Z. and Li Y., “Fiber-Reinforced High-Performance Concretes Exposed to High Temperature: Materials Behavior and Structural Implications”, Proceedings of the 7th RILEM Workshop on High Performance Fiber Reinforced Cement Composites – HPRCC7, June 1-3, 2015, Stuttgart (Germany), pp. 275-282.
  - Lo Monte F., Felicetti R., Rossino C., Piovan A. and Scaciga G., “In-Plane Loaded Concrete Slabs Subjected to Fire: a Novel Test Set-up to Investigate Spalling”, Proceedings of the International Fire Safety Symposium - IFireSS, Coimbra (Portugal), April 20-22, 2015.
  - Gambarova P. G. and Lo Monte F., “R/C slabs provided with dapped ends: bar lay-outs and bond-related issues”, in the book “Reinforced Concrete – Testimonials” on the occasion of the 90th anniversary of the birth of Dr. Géza Tassi, Budapest 2015, pp. 41-50, ISBN 978-963-12-4160-0.
  - Lo Monte F., Rossino C., Felicetti R., Cangiano S., and Gambarova P. G., “Calcestruzzi ad Alte Prestazioni Soggetti ad Elevate Temperature: Influenza della Tipologia degli Aggregati e delle Fibre”, Proceedings of the 20th Congress C.T.E., Milan (Italy), November 6-8, 2014.
  - Lo Monte F. and D’incertopadre G., Martina M. and Stucchi A., “Flessione e Taglio in Lastre Rettangolari in C.A. con Appoggi Indiretti su due Lati Opposti”, Proceedings of the 20th Congress C.T.E., Milan (Italy), November 6-8, 2014.
  - Rossino C., Lo Monte F., Cangiano S., Felicetti R., and Gambarova P. G., “HPC Subjected to High Temperature: A Study on Intrinsic and Mechanical Damage”, Proceedings of the 10th International Symposium on High Performance Concrete - Innovation and Utilization - HPC 2014, Beijing (China), September 16-18, 2014, Key Engineering Materials Vols. 629-630 (2015), pp. 239-244.
  - Pozzuoli C., Lo Monte F., Mola F., Mola E., Pasqualato G. and Re V., “Seismic Analysis and Retrofitting of the Highway Bridge over the Rivers Tanaro and Bormida”, Proc. of the 2nd European Conference on Earthquake Engineering and Seismology, Istanbul (Turkey), August 25-29, 2014.
  - Lo Monte F. and Gambarova P. G., “Extreme Concretes Exposed to High Temperature: the Effect of Expanded Polystyrene Beads and Baritic Aggregates”, Proceedings of the 8th International Conference “Structures in Fire” –



- SIF '14, Shanghai (China), June 11-13, 2014, pp. 1163-1170.
- Lo Monte F., Miah Md. J., Aktar S., Negri R., Rossino C. and Felicetti R., "Experimental Study on the Explosive Spalling in High-Performance Concrete: Role of Aggregate and Fiber Types", Proceedings of the 8th International Conference "Structures in Fire" – SIF '14, Shanghai (China), June 11-13, 2014, pp. 1219-1226.
  - Mola F., Pozzuoli C., Lo Monte F., Mola E., Pasqualato G. and Re V., "Intervento di Adeguamento Sismico del Ponte sui Fiumi Tanaro e Bormida dell'Autostrada A21", Proceedings of the 27th National Workshop, Giornate Aicap 2014 "Strutture nel Tessuto Urbano", Bergamo (Italy), May 22-24, 2014, pp. 599-606.
  - Lo Monte F. and Gambarova P. G., "Calcestruzzi Leggeri e Pesanti ad Alta Temperatura", Proceedings of the 27th National Workshop, Giornate Aicap 2014 "Strutture nel Tessuto Urbano", Bergamo (Italy), May 22-24, 2014, pp. 181-188.
  - Bamonte P., Gambarova P. G., Lo Monte F. and Rossino C., "A Review of Self-Compacting Concrete Mechanical Properties at High Temperature", Proceedings of the 3rd Workshop on "the New Boundaries of Structural Concrete", University of Bergamo – ACI Italy Chapter, Bergamo (Italy), October 3-4, 2013, pp. 223-232.
  - Felicetti R. and Lo Monte F., "Concrete Spalling: Interaction between Tensile Behaviour and Pore Pressure during Heating", Proceedings of the 3rd International Workshop on "Concrete Spalling due to Fire Exposure", Paris (France), September 25-27, 2013, DOI: 10.1051/mateconf/20130603001
  - Rossino C., Lo Monte F., Cangiano S., Felicetti R. and Gambarova P. G., "Concrete Spalling Sensitivity versus Microstructure: Preliminary Results on the Effect of Polypropylene Fibers", Proceedings of the 3rd International Workshop on "Concrete Spalling due to Fire Exposure", Paris (France), September 25-27, 2013, DOI: 10.1051/mateconf/20130602002
  - Lo Monte F., Bamonte P. and Gambarova P. G., "Mechanical and Thermal Properties of a Heavy Radiation-Proof Concrete Exposed to High Temperature", Proceedings of the 7th International Conference on "Concrete under Sever Conditions – Environmental and Loading – CONSEC'13", Nanjing (China), September 23-25, 2013, pp. 1672-1684.
  - Bamonte P., Lo Monte F., Gambarova P. G. and Pecce M., "High-Temperature Behaviour of Reduced-Mass Concrete Containing Expanded-Polystyrene Synthesized (EPS) Particles", Proceedings of the fib Symposium 2013 "Engineering a Concrete Future: Technology, Modelling & Construction", Tel Aviv (Israel), April 22-24, 2013, pp. 61-64.
  - Lo Monte F., "Spalling and Tension Stiffening in Heat-Exposed Members Made of Self-Compacting Concrete", Studies and Researches – Annual Review of Structural Concrete, ed. By Politecnico di Milano and Italcementi, pub. by Imready (San Marino), V.32, 2013, pp. 179-200.
  - Bamonte P., Lo Monte F. and Gambarova P. G., "Effetto Irrigidente dell'Aderenza Armatura-Calcestruzzo in Presenza di Alta Temperatura", Proceedings of the 19th Congress C.T.E., Bologna (Italy), November 8-10, 2012, pp.321-329.
  - Bamonte P., Biancini S. and Lo Monte F., "Preliminary Results on Tension Stiffening in Heat-Exposed R/C Tension Members", Proceedings of the 4th International Symposium "Bond in Concrete 2012: Bond, Anchorage, Detailing" – BIC '12, Brescia (Italy), June 17-20, 2012, pp. 559-565.
  - Felicetti R., Lo Monte F. and Pimienta P., "The Influence of Pore Pressure on the Apparent Tensile Strength of Concrete", Proceedings of the 7th International Conference "Structures in Fire" – SIF '12, Zurich (Switzerland), June 6-8, 2012, pp. 589-598.
  - Bamonte P., Gambarova P. G., Maggioni A. and Lo Monte F., "A Proposal for an experimental set-up to investigate fire-induced corner damage in R/C members", Proceedings of the 2nd International RILEM Workshop on "Concrete Spalling due to Fire Exposure", Delft (the Netherlands), October 5-7, 2011, pp. 369-376.
  - Bamonte P. and Lo Monte F., "Modelling R/C Columns in Fire According to Different Constitutive Models for Heated Concrete", Proceedings of the 6th International Conference "Structures in Fire" – SIF'10, East Lansing (Michigan, USA), June 2-4, 2010, pp. 320-327.

Milan, March 28<sup>th</sup>, 2019

I authorize the use of the personal data

(Autorizzo al trattamento dei dati ai sensi del D. Lgs. 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali" e successive modificazioni e alla pubblicazione degli stessi secondo le norme vigenti in materia di trasparenza degli atti amministrativi, e autorizzo ai sensi dell'art. 15, comma 1 del D.Lgs 33/2013 alla pubblicazione del CV sul sito WEB di Ateneo)

Autorizzo il Politecnico di Milano a pubblicare il presente curriculum sul sito WEB di Ateneo, ai fini istituzionali e in ottemperanza al D. Lgs n. 33 del 14 marzo 2013 "Decreto trasparenza" come modificato dal D. Lgs. 97 del 2016.