

Curriculum Vitae

Name: Elide

Surname: Nastri

Place of birth: Salerno (Italy)

Nationality: Italian

Residence: Fisciano(SA), Italy

EDUCATION AND QUALIFICATION

Current position: Associate Professor at the Department of Civil Engineering of University of Salerno

Assistant Professor at the Department of Civil Engineering of University of Salerno, position 29/11/2019 – 28/11/2022.

National Scientific Abilitation (ASN), “Settore Concorsuale 08/B3” – Full Professor (I Fascia)
- achieved the **03/06/2021** .

National Scientific Abilitation (ASN), “Settore Concorsuale 08/B3” – Associate Professor (II Fascia) - achieved the **07/05/2019** with unanimous opinion of the Commission.

PhD in Structural Engineering, with thesis entitled *“Theory of Plastic Mechanism Control for Eccentrically Braced Frames: Closed Form Solution”*, defended on 31 March 2015, University of Salerno. Principal Advisor: Prof. Vincenzo Piluso; Advisor: Prof. Rosario Montuori.

MSc Degree in Building Engineering and Architecture, obtained from University of Salerno on 27 September 2011, *cum laude*.

Scientific high school degree obtained from “LiceoScientifico G. Da Procida” of Salerno.

Professional Engineer Qualification obtained on 17 February 2012.

Registered in the **Association of Engineers** of the Province of Salerno with number 6229.

1. Employment History

Lecturer at University of Salerno, Italy, since 2015.

2. Language skills

Very Good knowledge of spoken and written **English**

Good Knowledge of spoken and written **French**

Elementary Knowledge of **Spanish**

Italian, mother tongue language

3. Language certificates

First Certificate in **English**, Cambridge ESOL Level 1 Certificate in ESOL International, REFERENCE NUMBER: 126IT1120069

4. I.T. Knowledge

Operating systems: **Windows, IOS**

Software for word-processing and spreadsheets: **Word, Excel, PowerPoint, Adobe Acrobat Professional**

Software for structural computation: **SAP2000, Seismostruct, OpenSees, Abaqus**

Software for graphic representation: **AutoCAD all versions, 3D Studio Max, Autodesk Revit**

Creative Graphic Software: **Adobe Photoshop, Adobe Illustrator, Adobe Indesign**

RESEARCH

1. Publications

• Refereed Journal Papers

- [J1] González-de-León, I., Nastri, E., Arrayago, I., Montuori, R., Piluso, V., Real, E. "Experimental study on stainless steel tubular members under cyclic loading" (2022) Thin-Walled Structures, 181, art. no. 109969, .
- [J2] Nastri, E., Piluso, V., Pisapia, A. "Experimental tests on SHS aluminium beams under non-uniform bending" (2022) Engineering Structures, 267, art. no. 114649, .

- [J3] Nastri, E., Todisco, P. "Macromechanical Failure Criteria: Elasticity, Plasticity and Numerical Applications for the Non-Linear Masonry Modelling" (2022) Buildings, 12 (8), art. no. 1245.
- [J4] Montuori, R., Nastri, E., Piluso, V., Todisco, P. "Simplified Evaluation of Plastic Rotation Demand for Existing EBFs Equipped with Short Links" (2022) Metals, 12 (6), art. no. 1002, .
- [J5] Montuori, R., Nastri, E., Piluso, V. "Theory of plastic mechanism control: A new approach for the optimization of seismic resistant steel frames" (2022) Earthquake Engineering and Structural Dynamics, .
- [J6] Piluso, V., Di Benedetto, S., Francavilla, A.B., Latour, M., Maglio, M., Montuori, R., Nastri, E., Rizzano, G. "FREEDAM CONNECTIONS: CONCEPTION, TESTING AND BEHAVIOUR UNDER SEISMIC ACTIONS" (2022) Ingegneria Sismica, 39 (2), .
- [J7] González-de-León, I., Arrayago, I., Real, E., Nastri E. "Rotation capacity of cold-formed stainless steel RHS beams under cyclic loading" (2022) Journal of Constructional Steel Research, 192, art. no. 107199.
- [J8] Montuori, R., Nastri E., Piluso, V., Todisco, P. "Performance-based rules for the simplified assessment of steel CBFs"(2022) Journal of Constructional Steel Research, 191, art. no. 107167.
- [J9] Montuori, R., Nastri E., Piluso, V., Todisco, P. "Simplified Approach for the Seismic Assessment of Existing X Shaped CBFs: Examples and Numerical Applications" (2022) Journal of Composites Science, 6.
- [J10] **Nastri E.**, Rescigno F., Montuori R., Piluso V. "Modelling non-linear behaviour of aluminium alloy gusset joints for single layer lattices domes" (2021) Structures, 34, pp. 4511-4523.
- [J11] **Nastri E.**, Piluso V., Pisapia A. "Numerical application of effective thickness approach to box aluminium sections" (2021) Journal of Composites Science, 5 (11), art. no. 291.
- [J12] Montuori R., **Nastri E.**, Piluso V., Streppone S. "Experimental validation of a theoretical model accounting for floor joists contribution on the flexural resistance of beam-column joints in R. C. frames"(2021) Engineering Structures, 247, art. no. 113168, .
- [J13] Manganiello L., Montuori R., **Nastri E.**, Piluso V. "The influence of the axial restraint on the overstrength of short links"(2021) Journal of Constructional Steel Research, 184, art. no. 106758, .
- [J14] Bernuzzi C., Crespi P., Montuori R., **Nastri E.**, Simoncelli M., Stochino F., Zucca M. "Resonance of steel wind turbines: Problems and solutions" (2021) Structures, 32, pp. 65-75.

- [J15] Montuori R., **Nastri E.**, Piluso V., Todisco P. "Evaluation of the seismic capacity of existing moment resisting frames by a simplified approach: Examples and numerical application" (2021) Applied Sciences (Switzerland), 11 (6), art. no. 2594, .
- [J16] Montuori R., **Nastri E.**, Todisco P. "Influence of the seismic shear proportioning factor on steel MRFs seismic performances"(2021) Soil Dynamics and Earthquake Engineering, 141, art. no. 106498.
- [J17] Montuori R., **Nastri E.**, Tagliafierro B. "Residual displacements for non-degrading bilinear oscillators under seismic actions"(2021) Mechanics Research Communications, 111, art. no. 103651, .
- [J18] Montuori R., **Nastri E.**, Piluso V., Pisapia A. "Probabilistic approach for local hierarchy criteria of EB-frames [Approccio probabilistico per criterio di gerarchia locale di controventi eccentrici (EBFs)]" (2020) Ingegneria Sismica, (4), pp. 45-64.
- [J19] **Nastri E.**, Piluso V. "The influence of strain-hardening on the ultimate behaviour of aluminium RHS-beams under moment gradient" (2020) Thin-Walled Structures, 157, art. no. 107091.
- [J20] Montuori, R., **Nastri E.**, Piluso, V., Todisco, P. "Un modello prestazionale semplificato per la verifica delle prestazioni sismiche dei telai in acciaio", Costruzioni Metalliche, Anno 72esimo, Mag-Giu, 2020.
- [J21] Montuori, R., **Nastri E.**, Piluso, V., Todisco, P. "A simplified performance based approach for the evaluation of seismic performances of steel frames" (2020) Engineering Structures, 224, art. no. 111222.
- [J22] Montuori, R., **Nastri, E.**, Piluso, V., Pisapia, A. "Ultimate behaviour of high-yielding low-hardening aluminium alloy I-beams" (2020) Thin-Walled Structures, 146, art. no. 106463.
- [J23] Montuori, R., **Nastri, E.**, Tagliafierro, B. "An optimal seismic force pattern for uniform drift distribution" (2019) Buildings, 9 (11), art. no. 231.
- [J24] Montuori, R., **Nastri E.**, Palese, M.I., Piluso, V. "The effect of floor joists on the elastic and inelastic behavior of R.C frames" (2019) Engineering Structures, 196, art. no. 109267.
- [J25] Dell'Aglio, G., Montuori, R., **Nastri, E.**, Piluso, V. "Consideration of second-order effects on plastic design of steel moment resisting frames" (2019) Bulletin of Earthquake Engineering, 17 (6), pp. 3041-3070.

- [J26] **Nastri E.**, D'Aniello M., Zimbru M., Streppone S., Landolfo R., Montuori R., Piluso V. "Seismic response of steel Moment Resisting Frames equipped with friction beam-to-column joints" (2019) *Soil Dynamics and Earthquake Engineering*, 119, pp. 144-157.
- [J27] Piluso, V., Pisapia, A., **Nastri, E.**, Montuori, R. "Ultimate resistance and rotation capacity of low yielding high hardening aluminium alloy beams under non-uniform bending" (2019) *Thin-Walled Structures*, 135, pp. 123-136.
- [J28] Montuori R., **Nastri E.**, Piluso V. "Problems of modeling for the analysis of the seismic vulnerability of existing buildings" (2019) *Ingegneria Sismica*, 36 (2), pp. 53-85.
- [J29] Montuori R., **Nastri E.**, Palese M.I., Piluso V. "Comparison among different software for the evaluation of moment-curvature of R.C. Columns" (2019) *Computers and Concrete*, 24 (3), pp. 259-269.
- [J30] Montuori R., Gabbianelli G., **Nastri E.**, Simoncelli M. "Rigid plastic analysis for the seismic performance evaluation of steel storage racks" (2019) *Steel and Composite Structures*, 32 (1), pp. 1-19.
- [J31] Piluso, V., Montuori, R., **Nastri, E.**, Paciello, A. "Seismic response of MRF-CBF dual systems equipped with low damage friction connections" (2019) *Journal of Constructional Steel Research*, 154, pp. 263-277.
- [J32] Di Lauro F., Montuori R., **Nastri E.**, Piluso V. "Partial safety factors and overstrength coefficient evaluation for the design of connections equipped with friction dampers" (2019) *Engineering Structures*, 178, pp. 645-655.
- [J33] Piluso V., Pisapia A., Castaldo P., **Nastri E.** "Probabilistic Theory of Plastic Mechanism Control for Steel Moment Resisting Frames" (2019) *Structural Safety*, 76, pp. 95-107.
- [J34] Fusco R., Montuori R., **Nastri E.**, Piluso V. "Critical analysis of ultimate rotation formula for R.C. columns subjected to cyclic loadings" (2018) *Engineering Structures*, 177, pp. 160-174.
- [J35] Montuori R., **Nastri E.**, Piluso V., Streppone S., D'Aniello M., Zimbru M., Landolfo R. "Comparison between different design strategies for freedam frames: Push-overs and IDA analyses" (2018) *Open Construction and Building Technology Journal*, 12, pp. 140-153.
- [J36] Montuori R., **Nastri E.**, Piluso V., Streppone S. "The use of TPMC for designing MRFs equipped with FREEDAM connections: Performance evaluation (2018) *Key Engineering Materials*, 763, pp. 983-991.

- [J37] Montuori R., **Nastri E.**, Piluso V., Streppone S. "The use of TPMC for designing MRFs equipped with FREEDAM connections: A case study" (2018) Key Engineering Materials, 763, pp. 1041-1049.
- [J38] Wang Y., **Nastri E.**, Tirca L., Montuori R., Piluso V. "Comparative response of earthquake resistant CBF buildings designed according to Canadian and European code provisions" (2018) Key Engineering Materials, 763, pp. 1155-1163.
- [J39] Dell'Aglio G., Montuori R., **Nastri E.**, Piluso V., A critical review of plastic design approaches for failure mode control of steel moment resisting frames, Ingegneria Sismica, 34 (4), pp. 82-102, 2017.
- [J40] Castaldo P., **Nastri E.**, Piluso, V., "Ultimate behaviour of RHS temper T6 aluminium alloy beams subjected to non-uniform bending: Parametric analysis", Thin-Walled Structures, 115, pp. 129-141, 2017
- [J41] Castaldo P., **Nastri E.**, Piluso V., "FEM simulations and rotation capacity evaluation for RHS temper T4 aluminium alloy beams", Composites Part B: Engineering, 115, pp. 124-137, 2017.
- [J42] **Nastri, E.**, Vergato, M.*, Latour M., "Performance evaluation of a seismic retrofitted R.C. precast industrial building", Earthquake and Structures, Earthquakes and Structures, Vol. 12, No. 1, 13-21, 2017.
- [J43] Montuori, R., **Nastri, E.**, Piluso, V., Troisi, M., "Influence of connection typology on seismic response of MR-Frames with and without 'set-backs'", Earthquake Engineering and Structural Dynamics, Volume 46, Issue 1, 1 January 2017, Pages 5-25, 2017.
- [J44] Montuori, R., **Nastri, E.**, Piluso, V., "Modelling of floor joists contribution to the lateral stiffness of RC buildings designed for gravity loads", Engineering Structures, 121, pp. 85-96, 2016.
- [J45] Montuori, R., **Nastri, E.**, Piluso, V., "Theory of Plastic Mechanism Control for MRF-EBF dual systems: Closed form solution", Engineering Structures, 118, pp. 287-306, 2016.
- [J46] Montuori R., **Nastri E.**, Piluso V., "Preliminary Analysis on the Influence of the Link Configuration on Seismic Performances of MRF-EBF Dual Systems Designed by TPMC", IngegneriaSismica (International Journal of Earthquake Engineering), Anno XXXIII – Speciale CTA 2015 – Num. 3, pp. 52-65, 2016.
- [J47] Montuori R., **Nastri E.**, Piluso V., Troisi M., "Influence of the Cyclic Behaviour of Beam-To-Column Connection on the Seismic Response of Regular Steel Frames" IngegneriaSismica(International Journal of Earthquake Engineering), Anno XXXIII – Speciale CTA 2015 – Num. 1-2, pp. 91-106, 2016.
- [J48] Castaldo, P., **Nastri, E.**, Piluso, V., "Evaluation of rotation capacity of RHS aluminium alloy beams by FEM simulation: Temper T4", Key Engineering Materials, 710, pp. 288-294, 2016.

- [J49] Castaldo, P., **Nastri, E.**, Piluso, V., "Proposal for an empirical evaluation of rotation capacity of RHS aluminium alloy beams based on fem simulations", Key Engineering Materials, 710, pp. 231-237, 2016.
- [J50] Castaldo, P., **Nastri, E.**, Piluso, V., "Evaluation of rotation capacity of RHS aluminium alloy beams by FEM simulation: Temper T6", Key Engineering Materials, 710, pp. 281-287, 2016.
- [J51] Montuori, R., **Nastri, E.**, Piluso, V., "Seismic Response of EB-Frames with Inverted Y scheme: TPMC Versus Eurocode Provisions", Earthquake and Structures, Volume 8, Issue 5, Pages 1191-1214, 2015.
- [J52] Montuori, R., **Nastri, E.**, Piluso, V., "Seismic Design of MRF-EBF Dual Systems with Vertical Links: Ec8 Vs Plastic Design", Journal of Earthquake Engineering, Volume 19, Issue 3, 3 April 2015, Pages 480-504, 2015.
- [J53] Piluso, V., **Nastri, E.**, Montuori, R., "Advances in Theory of Plastic Mechanism Control: Closed Form Solution for MR-Frames", Earthquake Engineering and Structural Dynamics, Volume 44, Issue 7, 1 June 2015, Pages 1035-1054, 2015.
- [J54] Montuori R., **Nastri E.**, Piluso V. "Progressi nella Teoria del Controllo del Meccanismo Plastico: Soluzione in Forma Chiusa per Telai sismo-resistenti", Costruzioni Metalliche, ANNO LXVII mar apr 2015, Vol. 2, pp. 26-51, 2015.
- [J55] Ariano M.*, Latour M., **Nastri E.**, Piluso V., Rizzano G., "Prospettive di impiego di 34 di collegamenti equipaggiati con dissipatori ad attrito nella progettazione delle strutture sismo-resistenti", Costruzioni Metalliche, ANNO LXVII mag-giu 2015, Vol. 3, pp. 34-50, 2015.
- [J56] Montuori, R., **Nastri, E.**, Piluso, V., "Rigid-plastic analysis and moment–shear interaction for hierarchy criteria of inverted Y EB-Frames" Journal of Constructional Steel Research vol. 95 71-80, 2014.
- [J57] Montuori R., **Nastri E.**, Piluso V. "Theory of plastic mechanism control for the seismic design of braced frames equipped with friction dampers", Mechanics Research Communications – Vol. 58. pp. 112-123, 2014.
- [J58] Montuori, R., **Nastri, E.**, Piluso, V., Theory of Plastic Mechanism Control for Eccentrically Braced Frames with inverted Y-scheme, Journal of Constructional Steel Research, Volume 92, pp. 122-135, 2014.
- [J59] Longo A., Montuori, R., **Nastri, E.**, Piluso, V. "On the use of HSS in seismic-resistant structures" Journal of Constructional Steel Research, Vol. 103, p. 1-12, 2014.
- [J60] Longo A., **Nastri, E.**, Piluso, V. "Theory of Plastic Mechanism Control: State of the Art", The Open Construction and Building Technology Journal, Volume 8, Pages 262-278, 2014.

- [J61] Mastandrea, L., **Nastri, E.**, Piluso, V., “Validation of a Design Procedure for Failure Mode Control of EB-Frames: Push-over and IDA analyses”, The Open Construction and Building Technology Journal, 7, 193-207, 2013.
- [J62] Montuori R., Nastri E., Piluso V. “Esame comparativo tra due soluzioni per l’adeguamento del sistema strutturale sismo-resistente di un edificio in c.a.”, Progettazione sismica, Vol. 4, 29-46, 2013.

• **Refereed Conference Proceedings**

- [C1] Esposito C., Nastri E., Perri F., Piluso V., Pisapia, A. “Analisi Sperimentale di Travi in Alluminio Soggette a Flessione non Uniforme”, Le XXVIII giornate italiane della costruzione in acciaio-The italian steel days, Francavilla al Mare, 29 Settembre – 1 Ottobre, pp. 53-60, 2022.
- [C2] Plaitano F., Stratan A., Nastri E. “Modellazione Semplificata della Rottura di Bulloni ad Alta Resistenza per Analisi agli Elementi Finiti”, Le XXVIII giornate italiane della costruzione in acciaio-The italian steel days, Francavilla al Mare, 29 Settembre – 1 Ottobre, pp. 201-210, 2022.
- [C3] Montuori R., Nastri E., Piluso V., Pisapia A. “Teoria del Controllo del Meccanismo Plastico per Telai con Link Dissipativi” Le XXVIII giornate italiane della costruzione in acciaio-The italian steel days, Francavilla al Mare, 29 Settembre – 1 Ottobre, pp. 317-324, 2022.
- [C4] Montuori R., Nastri E., Piluso V., Todisco P. “Validazione e Applicazione di un Metodo Prestazionale per la Valutazione della Vulnerabilità Sismica di Strutture in Acciaio di Tipo MRFs e CBFs”, Le XXVIII giornate italiane della costruzione in acciaio-The italian steel days, Francavilla al Mare, 29 Settembre – 1 Ottobre, pp. 333-340, 2022.
- [C5] Maglio M., Montuori R., Nastri E., Piluso V. “Discussione sulle Regole di Progettazione in DC2 nell’ambito del Nuovo EC8 e Applicazioni Progettuali” Le XXVIII giornate italiane della costruzione in acciaio-The italian steel days, Francavilla al Mare, 29 Settembre – 1 Ottobre, pp. 487-494, 2022.
- [C6] Alfano A., Bergamo U., Nastri E., Montuori R., Piluso V., Cannoniero G., Modesti M., Ranesi D. “Sostituzione di un Impalcato da Ponte In C.A.P. A Cavi Pretesi: Il ponte Sul Torrente Asa”, Le XXVIII giornate italiane della costruzione in acciaio-The italian steel days, Francavilla al Mare, 29 Settembre – 1 Ottobre, pp. 715-722, 2022.
- [C7] Elettore E. , Di Benedetto S., Francavilla A. B., Latour M., Montuori R., Nastri E., Piluso V., Rizzano G., D’ Aniello M., Landolfo R., Tartaglia R., Freddi F., “Studio Preliminare di un Edificio Pilota in Acciaio Sismo-Resiliente Dotato di Connessioni a Basso Danneggiamento”,

Le XXVIII giornate italiane della costruzione in acciaio-The italian steel days, Francavilla al Mare, 29 Settembre – 1 Ottobre, pp. 381-390, 2022.

- [C8] Maglio M., Montuori R., Nastri E., Piluso V. “Design, Analysis and Assessment of MRFs Equipped with FREEDAM Connections and Designed by TPMC: Comparison with Traditional Connections” (2022) Lecture Notes in Civil Engineering, 262 LNCE, pp. 508-516.
- [C9] Montuori R., Nastri E., Piluso V., Todisco P. “Simplified Rules for the Evaluation of Moment Resisting Frames and Concentrically Braced Frames Seismic Performances” (2022) Lecture Notes in Civil Engineering, 262 LNCE, pp. 975-983.
- [C10] Montuori R., Nastri E., Piluso V., Todisco P. “Simplified Methods for the Evaluation of seismic Performances of Steel CBFs”, ICNAAM 2021, Rodi 20-26 Settembre 2021.
- [C11] Clarizia G., Gorini D.N., Marrazzo P.R., Montuori R., Nastri E. “A glance at the effectiveness of large mass ratio TMDs in a coupled soil-structure system”, ICNAAM 2021, Rodi 20-26 Settembre 2021.
- [C12] Nastri E., Montuori R., Piluso V., Todisco P. “A Simplified Approach for Seismic Performances Estimation for Steel Moment Resisting Frames”, ce/papers Ernst & Sohn, 2335-2340, 2021.
- [C13] Montuori R., **Nastri E.**, Piluso V., Todisco P. “A Simplified Approach for the Estimation of Seismic Vulnerability of Steel Moment Resisting Frames”, Athens 28-30 June 2021, 8th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, pp. 1492-1505.
- [C14] D'Ambrosio A., Matheou M., Montuori R., **Nastri, E.**, “Adaptive Bending-Active Modules for a Tensile Solar Shading System”, Athens 28-30 June 2021, 8th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, pp. 1825-1833.
- [C15] Maglio M., Naddei C., **Nastri E.**, Russo R., Todisco P. “Design and Analysis of FREEDAM Frames: Comparison with Traditional Connections”, Athens 28-30 June 2021, 8th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, pp. 4149-4176.
- [C16] **Nastri E.**, Plaitano F., “A review on the removable link in eccentrically braced frames: benefits and performances” ICNAAM 2020 – 17th International Conference of Numerical Analysis and Applied Mathematics, 2020.
- [C17] Marrazzo P.R., Montuori R., **Nastri E.** “The Application of TMD to existing buildings: the idea and future developments”, ICNAAM 2020 – 17th International Conference of Numerical Analysis and Applied Mathematics, 2020.

- [C18] Montuori R., **Nastri E.**, Piluso V., Pisapia A. “Inelastic Behaviour of H-shaped Aluminium Beams Under Gradient Moment”, Inalco 2019 - 14th International Aluminium Conference – INALCO 2019 – Tokio, Giappone 13-15 Novembre, 2019.
- [C19] **Nastri E.**, Piluso V., “Ultimate Response of RHS shaped aluminium beams subjected to moment gradient” Inalco 2019 - 14th International Aluminium Conference – INALCO 2019 – Tokio, Giappone 13-15 Novembre, 2019.
- [C20] Montuori R., **Nastri E.**, Piluso V., Rescigno F., “The use of the component method for the evaluation of monotonic behaviour of Aluminium Alloy Gusset Joints” Inalco 2019 - 14th International Aluminium Conference – INALCO 2019 – Tokio, Giappone 13-15 Novembre, 2019.
- [C21] Pisapia A., **Nastri E.**, Troiano A. Formisano A., Montuori R., Piluso V., Mazzolani F.M. “Experimental tests on the aluminium alloys under monotonic and cyclic loading” Inalco 2019 - 14th International Aluminium Conference – INALCO 2019 – Tokio, Giappone 13-15 Novembre, 2019.
- [C22] Montuori R., **Nastri E.**, Tagliafierro B. “A Design Procedure for Controlling the Residual Drift: Application to a Dual-System” CTA 2019 - Le XXVII Giornate Italiane della Costruzione in Acciaio, pp.675-682.
- [C23] Manganiello L., Montuori R., **Nastri E.**, Piluso V. “Study on The Overstrength of HEA EBFs Links by FEM Simulations” CTA 2019 – Le XXVII Giornate Italiane della Costruzione in Acciaio, pp. 683-692.
- [C24] Capaldo C., Montuori R., **Nastri E.**, Piluso V., Pisapia A., “Critical Analysis on Short Link Over-Strength of Steel Eccentrically Braced Frames”, CTA 2019 – Le XXVII Giornate Italiane della Costruzione in Acciaio, pp. 683-692.
- [C25] Montuori R., **Nastri E.**, Piluso V., Streppone S., “Progetto e valutazione sismica di telai e sistemi duali con connessioni ad attrito”, ANIDIS 2019, Ascoli Piceno 15-19 Settembre, 2019, pp. 39-49.
- [C26] Califano G., Montuori R., **Nastri E.**, Perri F., Piluso V., Streppone S. “Prove sperimentali su nodi trave-colonna in c.a. con e senza solaio” ANIDIS 2019, Ascoli Piceno 15-19 Settembre, 2019, pp. 138-139.
- [C27] Pisapia A., **Nastri E.** “Probabilistic theory of plastic mechanism control: Design and seismic assessment” (2019) COMPDYN Proceedings, 3, pp. 4201-4212.

- [C28] **Nastri E.**, Tsarpalis P. "Seismic analyses of dual concentrically braced frames accounting for the presence of haunched connections" (2019) COMPDYN Proceedings, 1, pp. 73-95.
- [C29] Catapano A., **Nastri E.**, Streppone S. "Design and analysis of dual EBFs equipped with prequalified connections" (2019) COMPDYN Proceedings, 1, pp. 96-130.
- [C30] Montuori R., **Nastri E.** "Preface of the Symposium: Numerical Methods for Static and Dynamic Analysis of New and Existing Structures in Seismic Areas: Design and Performance Evaluation" (2019) AIP Conference Proceedings, 2116, art. no. 260001.
- [C31] Tagliafierro B., **Nastri E.**, "Seismic Design Lateral Force Distributions Based on Elastic Analysis of Structures", ICNAAM 2018, 13-18 Settembre, Rodi, 2018.
- [C32] Della Porta G., Russo I., **Nastri E.**, "Preliminary Comparison on MRFs and Dual Systems Equipped with Extended Stiffened Connections", ICNAAM 2018, 13-18 Settembre, Rodi, 2018.
- [C33] Dell'Aglia G., Montuori R., **Nastri E.**, Piluso V., "A Critical Review of Plastic Design Approaches for Failure Mode Control for MRFs", Le XXVI Giornate italiane della costruzione in acciaio, Venezia 28-30 Settembre 2017, 245-254, 2017.
- [C34] Manolache L., Serban O., Tirca L., **Nastri E.**, Montuori R., Piluso V. "Self-centering demand assessment of friction sliding braced frame buildings" (2018) 11th National Conference on Earthquake Engineering 2018, NCEE 2018: Integrating Science, Engineering, and Policy, 5, pp. 2741-2751.
- [C35] Montuori R., **Nastri E.**, Piluso V., Streppone S., D'Aniello, Zimbru M., Landolfo R. "Comparison Between Different Design Strategies for FREEDAM Frames", Le XXVI Giornate italiane della costruzione in acciaio, Venezia 28-30 Settembre 2017, 395-404, 2017.
- [C36] Fusco R., Montuori R., **Nastri E.**, Piluso V., "Critical analysis of the empirical relations for the evaluation of the ultimate plastic rotation of R.C. columns under cyclic loadings", ANIDIS 2017, Pistoia 17-21 september, 2017.
- [C37] Montuori R., **Nastri E.**, Piluso V., "The influence of floor joists on the lateral stiffness of R.C. buildings", ANIDIS 2017, Pistoia 17-21 september, 2017.
- [C38] Castaldo P., **Nastri E.**, Piluso V., Pisapia A., "Probabilistic theory of plastic mechanism control", Eurosteel 2017 Ernst & Sohn Vol.1, Pag. 2906-2915.
- [C39] Castaldo P., **Nastri E.**, Piluso V., Pisapia A., "Validation of probabilistic theory of plastic mechanism control by means of Monte Carlo simulations", Eurosteel 2017 Ernst & Sohn Vol.1, Pag. 2897-2905.

- [C40] Castaldo P., **Nastri E.**, Piluso V., Pisapia A., “Stochastic Approach For Theory Of Plastic Mechanism Control”, AIMETA 2017, Salerno 4-7 September, 2408-2420, 2017.
- [C41] Castaldo P., **Nastri E.**, Piluso V., Pisapia A., “Stochastic Theory Of Plastic Mechanism Control: Parametric Analysis”, AIMETA 2017, Salerno 4-7 September, 2421-2428, 2017.
- [C42] **Nastri E.**, Palese M.I., “Preliminary Comparison Between Different Software Modeling of Confined Concrete”, COMPDYN 2017 - 6th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, 15-17 June 2017, Rhodes Island, Greece.
- [C43] **Nastri E.**, “The Influence of Geometry, Loads And Steel Grade for the Development of a Specific Collapse Type of MR-Frames”, COMPDYN 2017 - 6th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, 15-17 June 2017, Rhodes Island, Greece.
- [C44] Montuori R., **Nastri E.**, Paciello A.*, Piluso V. “Seismic Design of Steel Frames Equipped with “Freedom” Connections, 16WCEE – World Conference on Earthquake Engineering – January 9th to 13th 2017, Santiago de Chile, Chile.
- [C45] Montuori R., **Nastri E.**, Piluso V., “Seismic Performances Of MRF-EBF Dual Systems: Influence of Brace Geometry”, 16WCEE – World Conference on Earthquake Engineering – January 9th to 13th 2017, Santiago de Chile, Chile.
- [C46] Piluso V., **Nastri E.**, “Plastic design and seismic response of MRF-CBF dual systems with connections and braces equipped with friction dampers”, 1st EU-Sino Workshop on Earthquake-resistance of Steel Structures, Shanghai, China, October 27, 2016.
- [C47] **Nastri E.**, “Eccentrically Braced Frames Designed for the Energy Dissipation Optimization”, ECCOMAS Congress 2016 VII European Congress on Computational Methods in Applied Sciences and Engineering, Crete Island, Greece, 5–10 June 2016.
- [C48] **Nastri E.**, Paciello A.*, “An Example of Energy Dissipation Optimization for Steel MRFs with Pin-Jointed Column Bases”, ECCOMAS Congress 2016 VII European Congress on Computational Methods in Applied Sciences and Engineering, Crete Island, Greece, 5–10 June 2016.
- [C49] **Nastri E.**, Piluso V.: “Performance Based Design Of MR-Frames by TPMC and Energy Approach”, STESSA 2015, The 8th International Conference on behavior of steel structures in Seismic Areas, 1-3 July 2015, Tongji University, Shanghai, China.

- [C50] Montuori R., **Nastri E.**, Piluso V. “Seismic Response of EBFs: Split K-Scheme vs Inverted Y-Scheme”, STESSA 2015, The 8th International Conference on behavior of steel structures in Seismic Areas, 1-3 July 2015, Tongji University, Shanghai, China.
- [C51] Montuori R., **Nastri E.**, Piluso V., Troisi M.: “Influence of the Cyclic Behaviour of Beam-to-column Connection on the Seismic Response of Regular Steel Frames”, CTA, Salerno, Vol. 2, pp. 853-865, 2015
- [C52] Montuori R., **Nastri E.**, Piluso V.: “Preliminary Analysis on the Influence of the Link Configuration On Seismic Performances of MRF-EBF Dual Systems Designed by TPMC”, CTA, Salerno, Vol. 1, pp. 425-436, 2015.
- [C53] Montuori R., **Nastri E.**, Piluso V.: “Theory of Plastic mechanism Control: Closed Form Solution”, EUROSTEEL 2014, September 10-12, 2014, Naples, Italy
- [C54] Longo A., Montuori R., **Nastri E.**, Piluso V.: “The Strategy of Plastic Mechanism Control for a Rational use of High Strength Steel in MR-frames”, HSSERF, Napoli, 2013.
- [C55] Montuori R., **Nastri E.**, Piluso V.: “Failure Mode Control of steel MR-Frames with pin-jointed column bases”, ANIDIS, Padova, 2013.
- [C56] Montuori R., **Nastri E.**, Piluso V.: “Nuovi progressi nella teoria del controllo del meccanismo plastico: soluzione in forma chiusa”, CTA, Torino, Vol. 1, pp. 554-562, 2013.
- [C57] Montuori R., **Nastri E.**, Piluso V.: “Controllo del meccanismo di collasso per telai controventati muniti di dissipatori ad attrito”, CTA, Torino, Vol. 1, pp. 289-297, 2013.

- **Monographs**

- [M1] **Nastri E.**, “Theory of Plastic Mechanism Control for Eccentrically Braced Frames: Closed form solution”, PhD Thesis.
- [M2] Montuori R., **Nastri E.**, Piluso V., “Linee guida per la progettazione di sistemi ibridi accoppiati in acciaio telaio-controvento eccentrico”, DPC-RELUIS 2014-2016 – Italian Department for Civil Protection, 2017.

- **Editorials**

- [E1] **Nastri E.** “The outcomes of the last Italian conference of steel structures held in Bologna: Design and assessment of steel and composites structures” (2020) *Ingegneria Sismica*, 37 (1), pp. 1-4.
- [E2] **Nastri E.** “Design and assessment of steel structures in seismic areas: Outcomes of the last italian conference of steel structures” (2018) *Ingegneria Sismica*, 35 (2), pp. 1-4.

[E3] Piluso, V., **Nastri, E.** “Thematic issue on advances in modeling, analysis and design of steel connections” (2018) Open Construction and Building Technology Journal, 12, pp. 80-82.

**co-author's names who are my graduate students*

2. Participation to research project

“DREAMERS” - RFCS (Research Found for Coal and Steel, Grant Agreement RFSR-CT2020- Proposal number: 101034015) (PROJECT MANAGER: Prof. Vincenzo Piluso)

“PINOX” - Project BIA2016-75678-R, AEI/FEDER, UE “Comportamiento estructural de pórticos de acero inoxidable. Seguridad frente a acciones accidentales de sismo y fuego”, funded from the MINECO (Spain), for which I’m the principal investigator.

“FREEDAM-PLUS” - RFCS (Research Found for Coal and Steel, Grant Agreement RFSR-CT2019- Proposal number: 899321) (PROJECT MANAGER: Prof. Vincenzo Piluso)

“EQUALJOINT-PLUS” - RFCS (Research Found for Coal and Steel, Grant Agreement RFSR-CT2017- Proposal number: 754048) “Valorisation of knowledge for European pre-QUALified steel JOINTS” (PROJECT MANAGER: Prof. Raffaele Landolfo)

“FREEDAM” PROJECT - Research Grant RFSR-CT-2015-00022 – European Community, 2015-2018, Total cost: 1449860 €

University of Salerno, PI, University of Naples “Federico II”, University of Coimbra, University of Liege, FIP Industriale and O’ Feliz, Co-Pi.

PROJECT MANAGER: Prof. Vincenzo Piluso, University of Salerno.

DPC-RELUIS 2019-2021 - Italian Department for Civil Protection

DPC-RELUIS 2018 - Italian Department for Civil Protection

DPC-RELUIS 2017 - Italian Department for Civil Protection

DPC-RELUIS 2014-2016 - Italian Department for Civil Protection

FARB2015 - Design of Steel Structures equipped with Friction Dampers

FARB2014 - Seismic Design of Steel Structures based on Plastic Limit Analysis and Energy Balance

FARB2013 - Failure Mode Control of MRF-CBF Dual Systems

3. Participation in National and International Conferences

ICNAAM 2021 – 19th INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS – *Rhodes Greece, 20-26 Settembre 2021.*

COMPDYN 2021 - 8th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, 28-30 June 2021, Athens, Greece

ICNAAM 2020 – 18th INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS – Rhodes Greece, 17-23 Settembre 2020

Inalco 2019 - 14th International Aluminium Conference – INALCO 2019 – Tokio, Giappone 13-15 Novembre, 2019

CTA 2019 - le XXVII Giornate italiane della costruzione in acciaio, Bologna 3-5 Ottobre 2019

ANIDIS 2019, Ascoli Piceno 15-19 Settembre, 2019

COMPDYN 2019 - 7th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, 24-26 June 2019, Chrete Island, Greece

ICNAAM 2018 - 17TH INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS - Rhodes, Greece 13-18 Settembre 2018

CTA 2017 - Le XXVI Giornate italiane della costruzione in acciaio, Venezia 28-30 Settembre 2017

ANIDIS 2017, Pistoia 17-21 September, 2017

Eurosteel 2017, Copenhagen 13-15 September 2017

AIMETA 2017, Salerno 4-7 September 2017

COMPDYN 2017 - 6th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, 15-17 June 2017, Rhodes Island, Greece

16WCEE – World Conference on Earthquake Engineering – January 9th to 13th 2017, Santiago de Chile, Chile.

Mims 2016 – 2016 International Workshop on Multiscale Innovative Materials and Structures - 28-30 October 2016 - Cetara, Italy

Inalco 2016 - 13th International Aluminium Conference – INALCO 2016” - Naples 21-23 September, 2016.

ECCOMAS Congress 2016 VII European Congress on Computational Methods in Applied Sciences and Engineering, Crete Island, Greece, 5–10 June 2016.

CTA 2015 – Le XXV Giornate Italiane della Costruzione in Acciaio – 1-3 October 2015, Salerno, Italy

STESSA 2015, The 8th International Conference on behavior of steel structures in Seismic Areas, 1-3 July 2015, Tongji University, Shanghai, China.

EUROSTEEL 2014 - European Conference on Steel and Composite Structures - 10-12 September 2014, Naples, Italy.

CTA 2013 – *Le XXIV Giornate Italiane della Costruzione in Acciaio – 30 September – 2 October 2013, Turin, Italy.*

ANIDIS 2013 – *L'ingegneria sismica in Italia – 30 June – 4 July 2013*

HSSERF WORKSHOP 2013 – *High Strength Steel in Seismic Resistant building Frames – 29 June 2013 – Naples, Italy.*

MULTI-SCALE MODELING AND CHARACTERIZATION OF INNOVATIVE MATERIALS AND STRUCTURES, - *May 1-5, 2013, Cetara, Italy.*

TEACHING

1. Teaching activity:

Lecturer for the following PhD courses:

Design of steel structures: traditional and innovative approaches in the PhD program of Risk and Sustainability in Civil, Architecture and Environmental Engineering Systems of the Department of Civil Engineering at University of Salerno since 2019.

Advances in the Design of Steel Structures Innovative Methods and New Frontiers at the University of Stuttgart (Germany) in the framework of the scientific colloquium "Design of Adaptive Structures in CE and Architecture", 18-07-2018.

Lecturer for the following MSc courses:

Theory of Buildings in Seismic Areas in the MSc program Building Engineering and Architecture, since 2017.

Design of Structures in the MSc program Civil Engineering and Architecture, since 2018.

Reinforced concrete and Steel Structures in the MSc program Building Engineering and Architecture, since 2018.

Design of Steel Frames in Seismic Zones: Numerical and Theoretical Aspects in the MSc Course of Structures of Politecnico of Milan, 1 June 2021.

Physics in the MSc Course in Building Engineering and Architecture, 2019.

Laboratory teaching for the sciences and building technologies and graphic representation

University mandate for the training of high school teachers in scientific and technological subjects, 2018.

Physics in the MSc Course in Building Engineering and Architecture, 2018.

Design of Buildings in Seismic Areas in the MSc program Building Engineering and Architecture, 2016-2017.

Lecturer for the following BSc courses:

Physics in the BSc course in Civil Engineering, BSc Course in Civile and Environmental Engineering and MSc Course in Building Engineering and Architecture, 2016-2017.

Physics in the BSc course in Environmental Engineering and BSc course in Mechanical Engineering, 2015-2016.

Physics in the BSc course in Environmental Engineering and BSc course in Mechanical Engineering, 2014-2015.

Mathematics and Physics in the BSc courses in Engineering, 2013.

2. Cooperation in Teaching Activity as Lecturer and Tutor

DESIGN OF STEEL STRUCTURES (in English)

Prof. V. Piluso - Department of Civil Engineering of the University of Salerno.

Within MSc course on: *Civil Engineering*

REINFORCED CONCRETE STRUCTURES

Prof. R. Montuori - Department of Civil Engineering of the University of Salerno.

Within BSc course on: *Civil Engineering*

DESIGN OF STRUCTURES

Prof. V. Piluso - Department of Civil Engineering of the University of Salerno.

Within MSc course on: *Civil Engineering*

SEISMIC ENGINEERING AND DYNAMICS OF STRUCTURES

Prof. V. Piluso - Department of Civil Engineering of the University of Salerno.

Within MSc course on: *Building Engineering and Architecture*

THEORY AND DESIGN OF BUILDING IN SEISMIC AREAS

Prof. V. Piluso - Department of Civil Engineering of the University of Salerno.

Within MSc course on: *Building Engineering and Architecture*

STRUCTURAL REHABILITATION

Prof. G. Rizzano - Department of Civil Engineering of the University of Salerno.

Within MSc course on: *Civil Engineering*

REINFORCED CONCRETE STRUCTURES

Prof. V. Piluso, Prof. R. Montuori - Department of Civil Engineering of the University of Salerno.

Within MSc course on: *Building Engineering and Architecture*

3. Supervisor of PhD Students

2021 in progress

Pasquale Roberto Marrazzo

2021 in progress

Francesco Plaitano in co-supervision with Universitatea Politehnica Timișoara

2020 in progress

Paolo Todisco

2018-2020

Alessandro Pisapia

2018-2020

Simona Streppone

4. Advisor for Msc Dissertations thesis

- Year 2021

Simplified Method for the Evaluation of Seismic Performances of Steel Concentrically Braced Frames

Candidate: Ludovica Sorrentino

Acceptance and Qualification Controls for Freedom Beam-To-Column Connection Friction Dampers

Candidate: Alfonso Cirillo

Experimental Cyclic tests of Stainless-steel RHS

Candidate: Remigio Della Sala

Fem Simulations of RC Joints With and Without Floor Joists

Candidate: Ivan Marotta

FEM Simulation of RC Dog-Bone Innovative Joints with and Without Floor Joists

Candidate: Alessandro Sarno

Simplified Method for the Evaluation of Seismic Performances of Steel Eccentrically Braced Frames

Candidate: Giuseppe Troisi

Seismic Design and Assessment of Moment Resisting Frames Equipped with Freedom Connections in the Framework of the New EC8

Candidate: Fabio Abate

Effect of Link Length on Seismic Performance of Dual Eccentrically Braced Frames with Replaceable Links

Candidate: Enzamarina Aiello

Influence of the Soil-Structure Interaction in the Effectiveness of the Tuned Mass Damper

Candidate: Guglielmo Clarizia

The Dissipative Panel: Pros and Cons in applying to Existing Buildings in C.A.

Candidate: Rossella Coluccio

Adaptive Bending-Active Modules For A Tensile Solar Shading System

Candidate: Alessandro D'Ambrosio

Seismic Design Rule Proposal for Austenitic Stainless Steel Frames

Candidate: Anna Chiara Galano

Design And Assessment of MRFs and Dual-CBFs Equipped with "FREEDAM" Connections

Candidate: Maria Maglio

Residual Drift Control Strategies for MDOF Systems

Candidate: Eleonora Manzo

Application of a Dissipative Wood Panel to Newly Constructed Buildings: Parametric Analysis and Comparison with Steel Bracing

Candidate: Bruno Germano Nolfi

Structural Design of Steel Pylons for Overhead Power Lines

Candidate: Michela Rega

Influence of Joists Contribution on the Collapse Mechanism of RC Structures

Candidate: Victoria Assunta Santoro

Assessment of the Seismic Vulnerability of a Traditional Masonry Building: the "Madonna Del Fieno" Church in Fisciano

Candidate: Michela Tenore

- Year 2020

Analysis of the impact and evaluation of the security of a "Paramassi Gallery" on the Salerno-Napoli highway.

Candidate: Giuseppe Pisciotano

Analysis of the ultimate resistance of rectangular profiles in Aluminium Alloys: Experimental Tests and FEM modelling

Candidate: Sante Ciancio

Revised Rules For CB-Frames in Eurocode 8: Critical Analysis And Assessment

Candidate: Rosaria Russo

Revised rules for mr-frames in eurocode 8: critical analysis and assessment

Candidate: Camilla Naddei

Origami-inspired kinetic facade for high rise buildings

Candidate: Giancarlo Contino

Seismic Response Assessment of Existing Buildings Retrofitted by the TMD System

Candidate: Erika Morone

Inspections and analysis of the vulnerability of existing bridges: the case study of the bridge on the ASA river

Candidate: Antonio Alfano

Esecuzione ed interpretazione di prove sperimentali su collegamenti innovativi in c.a. in presenza di solaio

Candidate: Ciro Esposito

La chiesa della Madonna del fieno in Fisciano - progetto di restauro e miglioramento della fruizione

Candidate: Giuseppina De Divitiis

Experimental tests and FEM simulations of bolted links with flush and extended end plates connections under monotonic and cyclic loads

Candidate: Francesco Plaitano

New developments in the Theory of Plastic Mechanism Control

Candidate: Katia Annunziata

Tuned mass damper for the risk mitigation of existing R.C. buildings

Candidate: Pasquale Roberto Marrazzo

- Year 2019

Experimental tests on reinforced concrete beam-to-column joints with and without deck

Candidate: Califano Gaetano

Influence of the lateral load distributions on the seismic response of steel moment resisting frames

Candidate: Enrico Urti

Simplified Methods for the Evaluation of Seismic Performances of Steel Frames

Candidate: Paolo Todisco

Critical analysis on the link overstrength of steel eccentrically braced frames

Candidate: Catello Capaldo

The influence of parameters affecting the overstrength and ductility of horizontal links in EBFs by FEM simulations

Candidate: Luigi Manganiello

Experimental tests on structural aluminium alloy in the framework of EC9

Candidate: Alessandra Troiano

Problemi di meccanica risolti con metodi elettrotecnici mediante D'alambertiana e masse inerziali equivalenti

Candidate: Alberto Vastola

- Year 2018

Seismic behavior of D-EBFs equipped with prequalified connections

Candidate: Alessia Catapano (current)

Innovative connections for aluminium low alloy domes

Candidate: Francesco Rescigno

Seismic retrofitting of a School in Italy after the Amatrice Earthquake

Candidate: Gennaro Boccia

Residual drift control: General Theory

Candidate: Bonaventura Tagliafierro

Influence of random variability of friction coefficient on the seismic design of MR-Frames equipped with "FREEDAM" dampers

Candidate: Francesco Di Lauro

Influence of Beam-to-Column Joints on the Seismic Design of Moment Resisting Frames

Candidate: Isidoro Russo

Influence of Beam-to-Column Joints on the Seismic Design of Braced Frames

Candidate: Gerardo Della Porta

- Year 2017

Critical Analysis of Formulations for the computation of the ultimate plastic rotation of R.C. members

Candidate: Rosa Fusco

Comparison Between Static and Kinematic Approach for the Design of Steel Moment Frames Accounting for Second Order Effects

Candidate: Giuseppe Dell'Aglio

Seismic Performances Evaluation of Steel MR-Frames Equipped with "Freedom" Connections

Candidate: Simona Streppone

Influence of Joists on the Inelastic Behaviour of R.C. Moment Resisting Frames

Candidate: Maria Ilenia Palese

Seismic Retrofitting and Superelevation of a R.C. Existing Building by Suspended Steel Frames

Candidate: Mara Francesca Ferrara

Problems of Modeling for the Analysis of Seismic Vulnerability of Existing Buildings

Candidate: Concetta Picarella

Theory of Plastic Mechanism Control for Stochastic Steel Frames

Candidate: Alessandro Pisapia

- Year 2015

Design and Analysis of seismic performances of steel dual systems equipped with "FREEDAM" devices

Candidate: Annabella Paciello

- Year 2014

Analysis of dissipative capacity of precast industrial buildings equipped with dissipative devices

Candidate: Mariacristina Vergato

- Year 2013

Analisi sperimentale di collegamenti equipaggiati con dissipatori ad attrito e progettazione di un edificio pilota

Candidate: Mariarosaria Ariano

Winner of the prize: ***“Concorso per Tesi di Laurea ‘13/’14 UNICMI” (best MSc Thesis in Italy dealing with steel structures)***

Critical Analysis of the Capacity Spectrum Method for the prevision of Moment Resisting Frames Seismic Response

Candidate: Carmela Dolgetta

5. Lectures at National and International workshops

5 October 2020 – The CTA 2019 - le XXVII Giornate italiane della costruzione in acciaio, Bologna 3-5 Ottobre 2019

Title: La protezione sismica delle strutture in acciaio: Metodi tradizionali ed innovativi

5 June 2019 – Equaljoints Plus Workshop, Naples

Title: Application of the prequalified connections to seismic resistant systems

5 June 2019 – Equaljoints Plus Workshop, Milan

Title: Design Application

6. Lectures for professional Engineers

Codified Design Criteria and Advanced Methodologies: Applications - Criteri di Progettazione Codificati e Metodologie Avanzate: Applicazioni, Lessons to Collegio dei Tecnici dell'Acciaio, CTA, 12 March 2021.

Eccentrically Braced Frames in the design of seismic resistant structures: Applications – I Controventi Eccentrici nella Progettazione delle Strutture Sismo-Resistenti in Acciaio: Applicazioni, Lessons to Collegio dei Tecnici dell'Acciaio, CTA, 19 March 2021.

7. Visiting researcher

Visiting researcher at «LeCnam - Conservatoire national des arts et métiers di Parigi» 10 to 11 February 2020.

SERVICES

1. Reviewer of Journals

ASME Journal Program - The American Society of Mechanical Engineers

Advances in Civil Engineering – Hindawi

Case Studies in Construction Materials - Elsevier

Earthquake Engineering and Engineering Vibration – Springer

Engineering Structures – Elsevier

Frontiers - Peer Reviewed Articles - Open Access Journals

International Journal of Steel Structures – Springer

Journal of Composites science - MDPI

Journal of Constructional Steel Research - Elsevier

Structures, Research Journal of The Institution of Structural Engineers – Elsevier

Smart Structures and Systems - Techo-Press

Steel and Composite structures - Techo-Press

Structures and Buildings - Institution of Civil Engineers (Great Britain), Thomas Telford

The Open Construction & Building Technology Journal – Bentham Open

The Open Civil Engineering Journal – Bentham Open

Thin walled Structures – Elsevier

IngegneriaSismica – International Journal of Earthquake Engineering – Patron Editore

Costruzioni Metalliche – Italian Journal of Steel Constructions – UNICMI

2. Reviewer of Conferences proceedings

STESSA 2021 – The 10th International Conference on the Behaviour of Steel Structures in Seismic Areas

CTA 2021 – *Le XXVIII Giornate Italiane della Costruzione in Acciaio*

CTA 2019 – *Le XXVII Giornate Italiane della Costruzione in Acciaio*

STESSA 2018 – The 9th International Conference on the Behaviour of Steel Structures in Seismic Areas

CTA 2017 – *Le XXVI Giornate Italiane della Costruzione in Acciaio*

3. Departmental Committees and Other Assignments

Since 2021 - Member of Committee for the work-school alternance of the Department of Civil Engineering of the University of Salerno

Since 2021 - Member of the Address Committee of the Department of Civil Engineering of the University of Salerno

Since 2021 - Member of the PhD Secretary of the Department of Civil Engineering of the University of Salerno

Since 2020 - Member of the commission for the evaluation of the curriculum for students of the Msc course in Building Engineering and Architecture of the University of Salerno

Since 2020 - Member of the Orientation Commission for the student of the Department of Civil Engineering of the University of Salerno

4. Conference organizer

Minisymposium organizer for ICNAAM 2021 - 19TH INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS, Rhodes, 20-26 Settembre 2021

Minisymposium organizer for ICNAAM 2020 - 18TH INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS, Rhodes, 13-18 September 2018.

Minisymposium organizer for ICNAAM 2018 - 16TH INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS, Rhodes, 13-18 September 2018.

Scientific committee of the conference “CTA2019 - Italian days of Steel Constructions”, Bologna 2019.

Scientific committee of the International Conference on Recent Progresses in Civil Engineering - 15-16 November 2017 - Shomal University, Iran.

Scientific committee of the conference “CTA2017 - Italian days of Steel Constructions”, Venezia 2017.

Local organizing committee of “CTA2015 - Italian days of Steel Constructions”, Salerno 1-3 October 2015.

5. Editorial board of Journals

Editor in Chief of the Italian Journal “CostruzioniMetalliche” (Italian Journal of Steel Costructions) from October 2017.

Editorial board of the Italian Journal “CostruzioniMetalliche” (Italian Journal of Steel Costructions) from Genuary 2016 to October 2017.

Scientific committee of the International Journal “IngegneriaSismica, International Journal of Earthquake Engineering” from August 2016.

6. Editor of Special Issues

Design and Assessment of Steel Structures in Seismic Areas, Ingegneria Sismica – International Journal of Earthquake Engineering, 2020.

Smart Materials and Structural Systems for Seismic-Resistant Buildings, Buildings (2019). Editor: MDPI

Thematic issue on advances in modeling, analysis and design of steel connections, Open Construction and Building Technology Journal, (2018).

Design and Assessment of Steel Structures in Seismic Areas, Ingegneria Sismica – International Journal of Earthquake Engineering, 2018.

OTHER ACHIEVEMENTS

14/12/2018 - **Winner of a tenure tracked position of “Assistant Professor”** at the department of "Engineering Structures" of Delft University of Technology (Netherlands).

July 2018 – Admitteed to the the final stage of the colloquium for a **tenure tracked position of Junior Professor** at University of Stotgardt, ILEK Institute.