

## LIST OF PAPERS

### a) Papers considered by the candidate to be the most relevant (10 papers)

1. Daniel Grecea, Dinu Florea, Dan Dubina, Performance criteria for MR steel frames in seismic zones, *Journal of Constructional Steel Research*, 2004, 01/2004; 60(3)
2. Dubina Dan, Stratan Aurel, Dinu Florea, Dual high-strength steel eccentrically braced frames with removable links, *Earthquake Engineering and Structural Dynamics*, 2008, vol. 37, no. 15
3. Dinu Florea, Neagu C, Dubina D, A comparative analysis of performances of high strength steel dual frames of buckling restrained braces vs. dissipative shear walls, 6th International Conference on Behaviour of Steel Structures in Seismic Areas, Philadelphia, PA, 2009, 16-20.08, ISBN978-0-415-56326
4. Dubina D., Dinu Florea, Stratan A., Design and performance based evaluation of Tower Centre International building in Bucharest. Part II: Performance based evaluation, *Steel Construction*, Steel Construction, 2010, ISSN 1867-0520.
5. Dinu Florea, Dubina D., Ciutina Adrian, Robustness performance of seismic resistant building frames under abnormal loads, *Structures and Architecture*, Guimaraes, Portugal, 2010, ISBN 978-0-415-49249-2.
6. Dubina D., Dinu Florea, Robustness based structural design: an integrated approach for multi-hazard risk mitigation, 3rd International Workshop on Performance, Protection and Strengthening of Structures Under Extreme Loading Location: Lugano, SWITZERLAND, 2011, 30.08-01.09, ISBN-13: 978-3-03785-217-0
7. Dubina D., Stratan A., Dinu Florea, Re-centring capacity of dual-steel frames *Steel Construction*, Steel Construction, 2011, ISSN 1867-0520.
8. Dinu Florea, D. Dubina, C. Neagu, I. Both, C. Vulcu, S. Herban, Experimental and numerical evaluation of a RBS coupling beam for moment steel frames in seismic areas, *Steel Constructios*, 2012, ISSN 1867-0520.
9. Dubina Dan, Dinu Florea, Experimental evaluation of dual frame structures with thin-walled, steel panels, *Thin walled structures*, 78, 2014.
10. Dinu Florea, Dubina Dan, Ioan Marginean, Improving the structural robustness of multi-story steel-frame buildings, *Structure and Infrastructure Engineering*, 2014.

### b) PhD Thesis

Contributions to the study of MR steel frames with semirigid joints (*Contribuții la studiul comportării structurilor în cadre metalice cu noduri semi-rigide*). Ph.D. degree in Civil Engineering defended at The “Politehnica” University of Timișoara, confirmed by The Ministry of Education and Research, on the basis of Order no. 1300/112/C, dated 23.12.2004. Distinction: CUM LAUDE.

### c) Books and book chapters

#### Books

Florea Dinu, Metode de calcul nelinier al structurilor in cadre metalice solicitate la acțiunea seismică, F. Dinu, Ed. Orizonturi Universitare, 200 pg., ISBN 10 – 973 – 638 – 282 – 6, 170

#### Book chapters

1. *Cap.3 Structural integrity of buildings under exceptional earthquakes*, Improving Buildings Structural Quality by New Technologies, Oficiul pentru Publicatii Oficiale al EU, 2005.
2. *Cap.3 Criterii pentru evaluarea performantelor globale ale structurilor in cadre metalice din cartea "Constructii amplasate in zone cu miscari seismice puternice"*, Coordonatori: Dan DUBINA & Dan LUNGU, Ed. Orizonturi Universitare, Timisoara, 2003, pag. 219-278.
3. D. Dubina, F. Dinu, D. Grecea, A. Stratan, A. Ciutina, "Contribution of the "Politehnica" University of Timisoara to the International Research Advances in the Field of Seismic Resistant Steel Structures", JICA International Seminar "Earthquake hazard and countermeasures for existing fragile buildings", editura Independent Film Bucuresti, editori D. Lungu, T. Saito, 2001, pg. 271-285.
4. F. Dinu, D. Dubinã, A. Stratan, A. Ciutina, D. Grecea, Performance based design criteria for steel mr frames, Inernational colloquium „Recent Advances and New Trends in Structural Design”, Timisoara, 07-08 mai, 2004, pg. 331-342..
5. D. Dubinã, V. Ungureanu, F. Dinu, Zs. Nagy: Structură modulară din profile de oțel formate la rece pentru clădiri civile și industriale. Construcții civile și industriale, anul V, nr. 20, martie 2004, p. 21-25.
6. F. Dinu, P. Mihu, A. Stratan, D. Dubina, Influenta vitezei de deformare indusa de actiunea seismică asupra imbinarilor sudate ale cadrelor metalice multietajate, Simpozionul "Preocupari actuale in constructii metalice si sudura" din cadrul celei de a VII-a editie a Zilelor Academice Timisene, 22-23 mai 2003, Timisoara, Ed. Orizonturi Universitare, 2004, pg. 97-106.
7. Capitol 3: Vulnerability and damageability of constructions under impact and explosion, COST Action Final Report – Urban Habitat Constructions under Catastrophic Events, Ed. F. Mazzolani, CRC Press, A Balkema Book, 16-18 September 2010, Naples, Italy, ISBN 978-0-415-60686-8, pg. 247-270.
8. D. Dubina, J. Rondal & I. Vayas (ed.), (1997) "EUROCODE 3 - Exemple de calcul (Design of Steel Structures, EUROCODE 3 - Worked Examples), Capitolul 10: *Îmbinări (Connections)*, ISBN 963-04-8383-1, (editie bilingvă), pg. 183-200.
9. D. Dubina, I. Vayas, V. Ungureanu (ed.), (1999) "New Technologies and Structures in Civil Engineering - Case studies on Remarkable Constructions", Editura Orizonturi Universitare Timișoara, ISBN 973-9400-40-X, pg. 187-205.
10. Mazzolani, F.M. (ed.), (2000) "Moment Resistant Connections of Steel Building Frames in Seismic Areas", Capitolul 6: *Ductility demand for semi-rigid joint frames*, E&FN SPON, London, pg. 370-408.

#### d) Articles published in journals from main international scientific flux (ISI journals, ISI Proceedings)

1. Daniel Grecea, Dinu Florea, Dan Dubina, Performance criteria for MR steel frames in seismic zones, *Journal of Constructional Steel Research*, 2004, 01/2004; 60(3)
2. Dubina Dan, Stratan Aurel, Dinu Florea, Dual high-strength steel eccentrically braced frames with removable links, *Earthquake Engineering and Structural Dynamics*, 2008, vol. 37, no. 15

3. Dinu Florea, Neagu C, Dubina D, A comparative analysis of performances of high strength steel dual frames of buckling restrained braces vs. dissipative shear walls, 6th International Conference on Behaviour of Steel Structures in Seismic Areas, Philadelphia, PA, 2009, 16-20.08, ISBN978-0-415-56326
4. Dubina D., Dinu Florea, Stratan A., Design and performance based evaluation of Tower Centre International building in Bucharest. Part II: Performance based evaluation, Steel Construction, Steel Construction, 2010, ISSN 1867-0520.
5. Dinu Florea, Dubina D., Ciutina Adrian, Robustness performance of seismic resistant building frames under abnormal loads, Structures and Architecture, Guimaraes, Portugal, 2010, ISBN 978-0-415-49249-2.
6. Dubina D., Dinu Florea, Robustness based structural design: an integrated approach for multi-hazard risk mitigation, 3rd International Workshop on Performance, Protection and Strengthening of Structures Under Extreme Loading Location: Lugano, SWITZERLAND, 2011, 30.08-01.09, ISBN-13: 978-3-03785-217-0
7. Dubina D., Stratan A., Dinu Florea, Re-centring capacity of dual-steel frames Steel Construction, Steel Construction, 2011, ISSN 1867-0520.
8. Dinu Florea, D. Dubina, C. Neagu, I. Both, C. Vulcu, S. Herban, Experimental and numerical evaluation of a RBS coupling beam for moment steel frames in seismic areas, Steel Constructios, 2012, ISSN 1867-0520.
9. Dubina Dan, Dinu Florea, Experimental evaluation of dual frame structures with thin-walled, steel panels, Thin walled structures, 78, 2014.
10. Dinu Florea, Dubina Dan, Ioan Marginean, Improving the structural robustness of multi-story steel-frame buildings, Structure and Infrastructure Engineering, 2014.

#### **e) Articles published in international journals**

1. Dubina D., Dinu Florea, Stratan A., Design and performance based evaluation of Tower Centre International building in Bucharest. Part I: Structural design Steel, Steel Construction, Wiley Online Library, 2009, ISSN 1867-0520.
2. Dubina D., Dinu Florea, Stratan A., Design and performance based evaluation of Tower Centre International building in Bucharest. Part II: Performance based evaluation Steel Construction, Steel Construction, Wiley Online Library, 2010, ISSN 1867-0520.
3. Dubina D., Stratan A., Dinu Florea, Re-centring capacity of dual-steel frames Steel Construction, Steel Construction, Wiley Online Library, 2011, ISSN 1867-0520.
4. Dinu Florea, D. Dubina, C. Neagu, I. Both, C. Vulcu, S. Herban, Experimental and numerical evaluation of a RBS coupling beam for moment steel frames in seismic areas, Steel Construction, Wiley Online Library, 2012, ISSN 1867-0520.

#### **f) Articles published in international conferences**

1. I. Vayas, F. Dinu, Influence of semi-rigid joints on the seismic behaviour of moment frames in respect to low-cycle fatigue, NATO Advanced Research Workshop "The Paramount Role of Joints into the Reliable Response of Structures, From the Rigid and Pinned Joints to the Notion of Semi-rigidity", Ouranopolis, Greece, 21-23 May 2000.
2. I. Vayas, F. Dinu, Evaluation of the seismic response of steel frames in respect to various performances, Third International Conference on Behaviour of Steel Structures in Seismic Areas STESSA 2000, Montreal, Canada, 2000, pg. 643-649.
3. Partial q-factor values for performance based design of MR frames, Autori: Florea DINU, Daniel GRECEA, Dan DUBINA; STESSA 2003 - Behaviour of steel structures in seismic areas", Napoli, Italia, 9-12 iunie 2003, pag. 23-29;
4. Control of global performance of seismic resistant EBF with removable link, Autori: Florea DINU, Aurel STRATAN, Dan DUBINA; STESSA 2003 - Behaviour of steel structures in seismic areas", Napoli, Italia, 9-12 iunie 2003, pag. 455-463;

5. Influence of strain rate on the weld detailing behaviour in MR connections, Autori: Florea DINU, Aurel STRATAN, Dan DUBINA; STESSA 2003 - Behaviour of steel structures in seismic areas”, Napoli, Italia, 9-12 iunie 2003, pag. 835-841;
6. Influenta vitezei de deformare indusa de actiunea seismica asupra imbinarilor sudate ale cadrelor metalice multietajate, Autori: Florea DINU, Petre MIHU, Aurel STRATAN, Dan DUBINA, a VII-a editie a Zilelor Academice Timisene, 22-23 mai 2003, Timisoara, Romania.
7. Partial q-factor values for performance based design of MR frames, Autori: Florea DINU, Daniel GRECEA, Dan DUBINA; Journal of Constructional Steel Research, Elsevier Ltd., 2003.
8. F. Dinu, Cap.3 Structural integrity of buildings under exceptional earthquakes, Improving Buildings Structural Quality by New Technologies, Oficiul pentru Publicatii Oficiale al EU
9. F. Dinu, D. Dubinã, D. Grecea, Partial q-factor values for performance based design of MR frames, Datasheet Publication, Cost C12 „Imbunatatirea calitatii clădirilor prin tehnologii noi”, A.A.Balkema Publishers, Olanda.
10. F. Dinu, D. Dubinã, A. Stratan, Welded Joints: Effect of Detailing and Strain Rate, Datasheet Publication, Cost C12 „Imbunatatirea calitatii clădirilor prin tehnologii noi”, A.A.Balkema Publishers, Olanda.
11. F. Dinu, D. Dubinã, A. Stratan, Performance criteria for seismic design of steel frames with eccentric bracings, 4th European Conference on Steel and Composite Structures, 08-10 iunie 2005, Maastricht, Olanda.
12. F. Dinu, D. Dubinã, A. Stratan, Performance based design of steel frames, Cost C12 seminar, 20-22 ianuarie 2005, Innsbruck, Austria.
13. F. Dinu, D. Dubinã, D. Grecea, Partial q-factor values for performance based design of MR frames, Final Scientific Report, Cost C12 Action "Improvement of Buildings Structural Quality by New Technologies", A.A.Balkema Publishers, Leiden, The Netherlands, ISBN 04 1536 6100 0, 2005, pg. 105-110.
14. F. Dinu, D. Dubinã, A. Stratan, Welded Joints: Effect of Detailing and Strain Rate, Final Scientific Report, Cost C12 Action "Improvement of Buildings Structural Quality by New Technologies", A.A.Balkema Publishers, Leiden, The Netherlands, ISBN 04 1536 6100 0, 2005, pg. 313-318.
15. F. Dinu, D. Dubinã, A. Stratan, Performance based design of steel frames, Cost C12 Final Conference Proceedings, A.A.Balkema Publishers, Leiden, The Netherlands, ISBN 04 1536 609 7, Ed. C. Schaur et al, 20-22 ianuarie 2005, Innsbruck, Austria, pg. 291-301.
16. F. Dinu, D. Dubinã, A. Stratan, Performance criteria for seismic design of steel frames with eccentric bracings, 4th European Conference on Steel and Composite Structures, 08-10 iunie 2005, Maastricht, Olanda, Ed. Druck and Verlagshaus Mainz GmbH Aachen, Germany, ISBN 3 86130 812 6, Volume C, Part. 5.2, 65-73.
17. High Strength Steel EB Frames with Low Strength Bolted Links, Autori: D. Dubina; A. Stratan; F. Dinu, In proc. Of 5th international conference on advances in steel structures, Singapore, 5 – 7 december 2007, p. 249-255.
18. High strength steel for seismic resistant building frames, Autori: D. Dubina, F. Dinu, V. Ungureanu, R. Zaharia & D. Grecea, in Proc. of COST C26 Workshop “Urban Habitat Constructions Under Catastrophic Events, Praga 30-31 martie 2007, Ed. Wald F, Mazzolani M, Byfield M, Dubina D, Faber M, ISBN 978-80-01-03583-2, p. 193-201
19. Robust design of steel framed buildings against extreme loading, Autori: M.P. Byfield, G. De Matteis, F. Dinu, in Proc. of COST C26 Workshop “Urban Habitat Constructions Under Catastrophic Events, Praga 30-31 martie 2007, Ed. Wald F, Mazzolani M, Byfield M, Dubina D, Faber M, ISBN 978-80-01-03583-2, p. 295-302.
20. Seismic performance of dual- steel multistorey building frames, Autori: D. Dubina, F. Dinu, in Proc. of Int. Seminar devoted to the activity of Prof. Rene Maquoi, Liege, Belgia, 14-15 decembrie 2007.
21. High strength steel for seismic resistant building frames, Autori: D. Dubina, F. Dinu, V. Ungureanu, R. Zaharia & D. Grecea, in Proc. of COST C26 Workshop “Urban Habitat Constructions Under Catastrophic Events, Praga 30-31 martie 2007, Ed. Wald F, Mazzolani M, Byfield M, Dubina D, Faber M, ISBN 978-80-01-03583-2, p. 193-201
22. Robust design of steel framed buildings against extreme loading, Autori: M.P. Byfield, G. De Matteis, F. Dinu, in Proc. of COST C26 Workshop “Urban Habitat Constructions Under Catastrophic Events, Praga 30-31 martie 2007, Ed. Wald F, Mazzolani M, Byfield M, Dubina D, Faber M, ISBN 978-80-01-03583-2, p. 295-302.

23. D. Dubină, F. Dinu, R. Zaharia, D. Grecea, V. Ungureanu: Studiul soluțiilor de aplicare a oțelurilor de înaltă rezistență în structura clădirilor multietajate amplasate în zone seismice cu risc ridicat. Revista AICPS Ediție nouă, 1/2007, p. 1-21, pe CD-ROM, ISSN 1454-92/8X.
24. F. Dinu, S. Bordea, D. Dubina, High strength steel dual frames of dissipative buckling restrained inverted v braces, Proc. Of the 5th European Conference on Steel and Composite Structures, Eurosteel 2008, 3-5 september 2008, Graz, Austria, Ed. R. Ofner, D. beg, J. Fink, R. Greiner, H. Unterweger, ISBN 92-0147-000-90, 1413-1418.
25. D. Dubina, F. Dinu, A. Stratan, Performance based evaluation seismic response of bucharest tower center international, Proc. Of the 5th European Conference on Steel and Composite Structures, Eurosteel 2008, 3-5 september 2008, Graz, Austria, Ed. R. Ofner, D. beg, J. Fink, R. Greiner, H. Unterweger, ISBN 92-0147-000-90, 1317-1323.
26. D. Dubina, F. Dinu, A. Stratan, Seismic resistant dual steel /dual FRAMES: Performance based analysis of structural effectiveness, Cost C26, Urban Habitat Constructions under Catastrophic Events, Fundația Europeană pentru Stiinta ESF, Seminar International, Malta, 22-23 octombrie 2008, ISBN 978-99909-44-42-6, pg. 187-192..
27. D. Dubina, F. Dinu, Response of high rise steel buildings as a result of column loss, Cost C26, Urban Habitat Constructions under Catastrophic Events, Fundația Europeană pentru Stiinta ESF, Seminar International, Malta, 22-23 octombrie 2008, ISBN 978-99909-44-42-6, pg. 277-282.
28. D. Dubina, A. Stratan, N. Muntean, F. Dinu, Experimental program for evaluation of moment beam to column joints of high strength steel components, International Workshop on Connections in Steel Structures, June 22-25, Chicago, USA.
29. D. Dubina, A. Stratan, F. Dinu, D. Grecea, N. Muntean, R. Zaharia, Structuri în cadre multietajate realizate în sistem dual-steel: cerințe de performanță și program experimental, Buletinul Asociației Inginerilor Constructori Proiectanți de Structuri din România AICPS, Nr. 1-2/2008, pg. 39-52, ISSN: 1454-928X.
30. D. Dubina, F. Dinu, A. Stratan, Proiectarea bazata pe criterii de performanta a structurilor metalice pentru cladiri inalte amplasate in zone seimice : metodologie si studiu de caz, Buletinul Asociației Inginerilor Constructori Proiectanți de Structuri din România AICPS, Nr. 1-2/2008, pg. 124-130, ISSN: 1454-928X.
31. F. Dinu, D. Dubina, A. Stratan, Performance based Analysis of High Strength Steel Building Frames under Seismic Actions, Acta Technica Napocensis. Section: Steel Structures, nr.51, vol.3, 2008, ISSN 1221-5848, p.361 – 369.
32. F. Dinu, Gh. Dima, Presentation de la structure Bricostore Orchideea Bucharest, Colloque International, 2eme edition, Lacier dans la construction moderne, A. Ciutina and A. Lachal Eds, ed. Politehnica, Timisoara, ISBN 978-973-625-682-0, p. 181-189, 2008.
33. F. Dinu, D. Dubina, C. Neagu. A comparative analysis of performances of high strength steel dual frames of buckling restrained braces vs. dissipative shear walls, Philadelphia, 16-20 aug. 2009, International Conference, STESSA 2009, Behaviour of Steel Structures in Seismic Areas, CRC Press 2009, Ed. F.M. Mazzolani, J.M. Ricles, R. Sause, ISBN: 978-0-415-56326-0.
34. F. Dinu, D. Dubina. Robustness of seismic resistant multistory frame buildings in case of accidental column loss scenarios, Philadelphia, 16-20 aug. 2009, International Conference, STESSA 2009, Behaviour of Steel Structures in Seismic Areas, CRC Press 2009, Ed. F.M. Mazzolani, J.M. Ricles, R. Sause, ISBN: 978-0-415-56326-0.
35. D. Dubina, A. Stratan, F. Dinu. Inconsecvențe și probleme în aplicarea prevederilor din P100-1/2006 ( EN 1998-1) la proiectarea structurilor metalice pentru clădiri multietajate, a XIX-a Conferinta Nationala AICPS, Bucuresti, 22 mai 2009.
36. C. Neagu, F. Dinu. Seismic performance of ductile shear wall frame systems,
37. D. Dubina, F. Dinu, A. Stratan. Tower Centre International building in Bucharest. Part I: Structural design, Steel Construction, Volum 4/2009, December 2009, ISSN 1867-0520, Ernst & Sohn.
38. F. Dinu, A. Stratan. Performance criteria and methodology for collapse control based design for building structures under extreme actions, COST C25& C26 Training School, Thessaloniki, Greece 21 May 2009 ([www.auth.gr/home/index\\_en.html](http://www.auth.gr/home/index_en.html)).
39. D. Dubina, F. Dinu. Multi storey steel frame buildings in seismic areas, Raport in cadrul seminarului TUCSA – APCMR, martie 2009, Istanbul, Turcia (<http://www.tucsa.org/v4>)
40. F. Dinu, D. Dubina: Effect of column loss on the robustness of a high rise steel building, COST Action Final Conference – Urban Habitat Constructions under Catastrophic Events, CRC Press, A

- Balkema Book, 16-18 September 2010, Naples, Italy, Ed. F. Mazzolani, ISBN 978-0-415-60685-1, pg. 613-618.
41. F. Dinu, D. Dubina, G. De Matteis: Direct design approach for seismic resistant steel frame buildings under extreme loading, COST Action Final Conference – Urban Habitat Constructions under Catastrophic Events, CRC Press, A Balkema Book, 16-18 September 2010, Naples, Italy, Ed. F. Mazzolani, ISBN 978-0-415-60685-1, pg. 349-354.
  42. D. Dubina, A. Stratan, F. Dinu, D. Grecea, N. Muntean & C. Vulcu, Application of high strength steel to seismic resistant multi-storey buildings, COST Action Final Conference – Urban Habitat Constructions under Catastrophic Events, CRC Press, A Balkema Book, 16-18 September 2010, Naples, Italy, Ed. F. Mazzolani, ISBN 978-0-415-60685-1, pg. 355-363.
  43. F. Dinu, D. Dubina, A. Stratan: Evaluation of re-centring capability of dual frames with removable dissipative members: case study for eccentrically braced frames with bolted links, COST Action Final Conference – Urban Habitat Constructions under Catastrophic Events, CRC Press, A Balkema Book, 16-18 September 2010, Naples, Italy, Ed. F. Mazzolani, ISBN 978-0-415-60685-1, pg. 821-828.
  44. F. Dinu, D. Dubina, C. Neagu: Experimental evaluation of q factor for dual steel frames with dissipative shear walls, COST Action Final Conference – Urban Habitat Constructions under Catastrophic Events, CRC Press, A Balkema Book, 16-18 September 2010, Naples, Italy, Ed. F. Mazzolani, ISBN 978-0-415-60685-1, pg. 975-980.
  45. F. Dinu: Capitol 3 „Vulnerability and damageability of constructions under impact and explosion”, COST Action Final Report – Urban Habitat Constructions under Catastrophic Events, Ed. F. Mazzolani, CRC Press, A Balkema Book, 16-18 September 2010, Naples, Italy, ISBN 978-0-415-60686-8, pg. 247-270.
  46. F. Dinu, D. Dubina, A. Ciutina, Robustness performance of seismic resistant building frames under abnormal loads, Proc. of the 1st International Conference on Structures and Architecture, ICSA 2010, Guimaraes, Portugal, 21-23 July 2010, p. 613-620, CRC Press, Taylor& Francis Group, ISBN: 978-0-415-49249-2.
  47. D. Dubina, F. Dinu: Performance based design for robustness of steel building frames under extreme loads, Conference on Engineering Research University of Pécs, Pollack Mihály Faculty of Engineering, October 25-26, 2010, Pécs, Hungary, Ed. P. Yvanyi, ISBN 978-7298-40-0, pg. B71-B83.
  48. C. Neagu, F. Dinu, D. Dubina: Design of steel frames of dissipative shear walls, Proc. of SDSS’Rio 2010, International Colloquium Stability and Ductility of Steel Structures, 08-10 Sept. 2010, Rio de Janeiro, Brazil, Ed. E. Batista, P. Vellasco, L. de Lima, ISBN 978-85-285-0137-7, pg. 401-408.
  49. F. Dinu, D. Dubina: Ductility vs overstrength in robustness based design of multi-story steel building frames under abnormal loadings, Proc. of the International Symposium “Steel Structures: Culture & Sustainability 2010”, 21-23 September 2010, Istanbul, Turkey, Ed. N. Yardimci, A. Aydoner, Y. Gur’es, C. Yorgun, ISBN: 978-975-92461-2-9, pg. 171-178.
  50. A. Stratan, F. Dinu, D. Dubina, Replacement of bolted links in dual eccentrically braced frames, Proc. Conferința internațională 14th European Conference on Earthquake Engineering ECEE 2010, Aug. 30 – Sept. 3 2010, Ohrid, Republic of Macedonia, ISBN 978-608-65185-1-6, pe CD-ROM.
  51. F. Dinu, D. Dubina C. Neagu: Performance criteria for dissipative steel plate shear walls structures, Proc. Conferința internațională 14th European Conference on Earthquake Engineering ECEE 2010, Aug. 30 – Sept. 3 2010, Ohrid, Republic of Macedonia, ISBN 978-608-65185-1-6, pe CD-ROM.
  52. Neagu C., Dinu F., Dubina D.: “Seismic performance of steel frames of shear walls”. Proceedings of the 6th European Conference on Steel and Composite Structures. August 31 – September 2, 2011, Budapest, Hungary, ISBN 978-92-9147-103-4, pp. 1155-1160.
  53. Dinu F., Dubina D.: “Robustness of multi-storey steel building frames-Demands for beam to column joints”. Proceedings of the 6th European Conference on Steel and Composite Structures. August 31 – September 2, 2011, Budapest, Hungary, ISBN 978-92-9147-103-4, pp. 2487-2492.
  54. Dinu F., Neagu C., Dubina D.: “Evaluation of energy dissipation capacity of steel frames with steel shear walls”. Proceedings of the 3rd International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering - COMPDYN 2011, Corfu, Greece, May 25-28, 2011, 11 pages on CD.
  55. Dubina D., Bordea S., Dinu F.: “Experimental and numerical investigation of non-seismic reinforced concrete frames strengthened with concentric steel braces”. Proceedings of the 3rd International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering - COMPDYN 2011, Corfu, Greece, May 25-28, 2011, 11 pages on CD.

56. Dubina D., Dinu F.: "Robustness based structural design: an integrated approach for multi-hazard risk mitigation". 3rd International Workshop on Performance, Protection and Strengthening of Structures under Extreme Loading – PROTECT2011, 30.08-01.09.2011, Lugano, Switzerland, Trans Tech Publications, Applied Mechanics and Materials. ISSN: 1660-9336, Vol. 82(2011), pp. 770-777.
57. Neagu C., Dinu F., Dubina D.: "Seismic performance of steel plate shear walls structures", Pollack Periodica, Publisher Akadémiai Kiadó, ISSN 1788-1994, 1788-3911 (Online), Issue Volume 6, Number 1/April 2011, DOI 10.1556/Pollack.6.2011.1.5, 2011, pp. 47-58.
58. Dubina D., Dinu F.: "Climate change effects on the robustness of building stock". Proceedings of the International Conference: Sustainability of Constructions – Towards a better built environment. 3-5 February 2011, Innsbruck, Austria, ISBN: 978-999957-816-0-6, pp. 395-400.
59. Ciutina A., Ungureanu V., Dubina D., Dinu F.: "Integrated design of buildings". Proceedings of the International Conference: Sustainability of Constructions – Towards a better built environment. 3-5 February 2011, Innsbruck, Austria, ISBN: 978-999957-816-0-6, pp. 235-246.
60. Dubina D., Dinu F., Neagu C.: Global performances of steel frames of shear walls. International Conference STESSA 2012 – Behavior of Steel Structures in Seismic Areas, 9-11.01.2012, CRC Press, Taylor & Francis Group, ISBN: 978-0-415-62105-2, pp. 511-516.
61. Dinu F., Dubina D.: Robustness based design of steel building frames under extreme loads. International Conference STESSA 2012 – Behavior of Steel Structures in Seismic Areas, 9-11.01.2012, CRC Press, Taylor & Francis Group, ISBN: 978-0-415-62105-2, pp. 905-912.
62. Bordea S., Dinu F., Dubina D. (2012): Strengthening of non-seismic reinforced concrete frames of buckling restrained steel braces. International Conference STESSA 2012 – Behavior of Steel Structures in Seismic Areas, 9-11.01.2012, CRC Press, Taylor & Francis Group, ISBN: 978-0-415-62105-2, pp. 1085-1090.
63. F. Dinu, D. Dubina, C. Neagu, C. Vulcu, D. Marcu, Experimental calibration of numerical models for short coupling beams of a multi-story frame structure, 15th World Conference on Earthquake Engineering, 24 - 28 september, 2012, Lisbon, Portugal
64. Dinu F., Santiago A., Dubina d., Simoes Da Silva L., Robustness demand for structural connections of multistory steel building frames under elevated temperature; in Performance , Protection&sthrengthening od structures under Extreme Loading - Protect 2013, Mysore, India, Aug. 26-27, 2013, Published by Indian concrete Journal (ICJ) p. 9.( CD paper).
65. Dinu.F., Dubina., Marginean., Effect of connection between reinforced concrete slab and steel beams in multistory frames subjected to different column loss scenarios. Proc. 4th int. Conf on Integrity, Reliability and Failure –IRF,2013, 23-27 June, Funchal, Portugal, p 215-16, (CD paper ref 3882), ED. INEGI, Porto, Portugal, ISBN 978-9772-8826-27-7.
66. Dubina D., Dinu.F., Margineani I., Collapse prevention design criteria for moment connections in multi-story steel frames under extreme actions. Proc. 4th int. Conf on Integrity, Reliability and Failure –IRF,2013, 23-27 June, Funchal, Portugal, p 41-42 ( CD paper ref. 388) Porto, Portugal, ISBN 978-9772-8826-27-7
67. Dinu Fl., Dubina D., Marginean,I, Petran I. : Ultimate capacity of beam-to- column connections under bending and axial stresses. XXIV Congresso C.T.A., Torino , 30 asept.-2 Oct. 2013, p .73-80 Vol 1, ISBN 978-88-905870-0-9
68. Dubina D. Ciutina A., Dinu F., Grecea D.: Influence of joint semi-rigidity on the seismic response of a 3D moment –resisting frame structure. XXIV Congresso C.T.A., Torino , 30 asept.-2 Oct. 2013, p .605-612, Vol 1, ISBN 978-88-905870-0-9
69. F. Dinu, D. Dubină, I. Mărginean, Effect of connection between R.C. slab and steel beams in multistory frames subjected to different column loss scenarios, Proc. of. 4th International Conference on Integrity, Reliability & Failure, Portugal, 23-27 June 2013, Ed. Inegi, ISBN 978-972-8826-27-7, pp. 41-42.
70. D. Dubină, F. Dinu, I. Mărginean, I. Petran, Collapse prevention design criteria for moment connections in multistory steel frames under extreme actions, Proc. of. 4th International Conference on Integrity, Reliability & Failure, Portugal, 23-27 June 2013, Ed. Inegi, ISBN 978-972-8826-27-7, pp. 215-216.
71. F. Dinu, A. Santiago, D. Dubina, L. Simões da Silva, Robustness demands for structural joints of multistory steel building frames under elevated temperature, Fourth International Conference on Performance, Protection and Strengthening of Structures under Extreme Loading, India, August 26-27, 2013.

**g) Articles published in international conferences organized in Romania**

1. D. Dubina, F. Dinu, Adrian L. Ciutina, Aurel Stratan, The Multi-Storey Structure of Banc Post Timisoara Building: Essential Design Problems, The 9th International Conference on Metal Structures – ICMS'2000, Timisoara, Romania, October 19-22, 2000, pg.414-422.
2. D. Dubina, M. Georgescu. V. Ungureanu, F. Dinu, Innovative Cold-formed Steel Structures for One Storey Penthouse Superstructure of Datatim-Alcatel Industrial Building, The 9th International Conference on Metal Structures – ICMS'2000, Timisoara, Romania, October 19-22, 2000. pg.318-326.
3. Improving current seismic codes through performance based design, Autori: Florea DINU, Daniel GRECEA, Dan DUBINA; A X-a Conferinta Internationala de Structuri Metalice ICMS 2003, Timisoara, 16-17 octombrie 2003, pag. 274-282;
4. Wall stud modular system for residential and non-residential buildings, Autori: Dan DUBINA, Viorel UNGUREANU, Florea DINU, Zsolt NAGY; A X-a Conferinta Internationala de Structuri Metalice ICMS 2003, Timisoara, 16-17 octombrie 2003, pag. 109-119;
5. Performance criteria for multi-storey steel frames under seismic loading, Autori: Florea DINU, Daniel GRECEA, International Conference on Constructions 2003, 16-17 Mai 2003, Cluj-Napoca, pag. 349-357.
6. F. Dinu, D. Dubinã, A. Stratan, A. Ciutina, D. Grecea, Performance based design criteria for steel mr frames, International colloquium „Recent Advances and New Trends in Structural Design”, Timisoara, 07-08 mai, 2004, pg. 331-342.
7. Performance-based criteria for design of steel frame structures in seismic areas, Autori: F. Dinu, D. Grecea, D. Dubina, in Proc. International Symposium on Seismic Risk Reduction The JICA Technical Cooperation Project in Romania, 26 – 27 April 2007, Bucharest, Romania,
8. D. Dubina, F. Dinu: Robustness demands for structural joints of multistory steel building frames prone to extreme actions, Proc. a 8-a Conferință Internațională „Integritatea structurală a construcțiilor sudate”, 04-05 noiembrie 2010, Timisoara, România, Ed. Sudura, ISSN 1842-5518, pg. 20-32.

**h) Articles published in national journals**

1. Adrian L. Ciutina, Aurel Stratan, F. Dinu, Cyclic testing of beam to column joints, Bul. St. al Universitatii “Politehnica” Timisoara, 2000, Tom44(58), pg. 18-29.
2. Proiectarea cadrelor metalice ale clădirilor multietajate amplasate în zone seismice, Autori: Florea DINU, Daniel GRECEA, Dan DUBINA, Revista Construcții civile și industriale, Anul IV, nr.45, Sept. 2003, pag. 40-49;
3. Proiectarea cadrelor metalice ale clădirilor multietajate amplasate în zone seismice, Autori: Florea DINU, Daniel GRECEA, Dan DUBINA, Revista Construcții civile și industriale, Anul IV, nr.46, Oct. 2003, p. 40-49;
4. D. Dubinã, V. Ungureanu, F. Dinu, Zs. Nagy: Structură modulară din profile de oțel formate la rece pentru clădiri civile și industriale. Construcții civile și industriale, anul V, nr. 20, martie 2004, p. 21-25.
5. D. Dubinã, F. Dinu, Ghe. Dima, V. Olaru: Complexul comercial Bricostore - Orhidea București. Buletinul AICPS, Nr. 1/2005-2/2005, 31-39.
6. D. Dubinã, F. Dinu, R. Zaharia, D. Grecea, V. Ungureanu: Studiul soluțiilor de aplicare a oțelurilor de înaltă rezistență în structura clădirilor multietajate amplasate în zone seismice cu risc ridicat. Revista AICPS Ediție nouă, 1/2007, p. 1-21, pe CD-ROM, ISSN 1454-92/8X.
7. Performance based design of steel building frames, Autor: F. Dinu, Buletinul Științific al Universității "Politehnica" din Timișoara, Seria Construcții-Arhitectură, Vol. 52(66) 2005, Fascicola 2, ISSN 1224-6026, Editura Politehnica.

**i) Articles published in national or local conferences**

1. Criterii de performanță pentru proiectarea cadrelor metalice ale clădirilor multietajate amplasate în zone seismice, Autori: Florea DINU, Daniel GRECEA, Dan DUBINA, A-XIII-a Conferința națională AICPS 2003, 14 martie 2003, Bucuresti, Romania, pag.93-103.



2. F. Dinu, P. Mihiu, A. Stratan, D. Dubina, Influenta vitezei de deformare indusa de actiunea seismica asupra imbinarilor sudate ale cadrelor metalice multietajate, Simpozionul "Preocupari actuale in constructii metalice si sudura" din cadrul celei de a VII-a editie a Zilelor Academice Timisene, 22-23 mai 2003, Timisoara, Ed. Orizonturi Universitare, 2004, pg. 97-106.
3. Marginean I., Dinu Fl., Dubina D. –Simularea initierii fenomenului "catenary action" in aibiarile rigla-stalp in urma unor cedari accidentale a stalpilor - Simpozionul Cercetari actuale in domeniul constructiilor metalice. Sisteme structurale si solutii inovative. Zilele Academice Timisene, ZAT 24 mai 2013
4. Dinu Fl., Petran I., Marginean I., Handabut A. – Modelarea interactiunii dintre grinzile din otel si plaseul din beton armat la structuri in cadre solicate la actiuni accidentale- Simpozionul Cercetari actuale in domeniul constructiilor metalice. Sisteme structurale si solutii inovative. Zilele Academice Timisene, ZAT 24 mai 2013
5. Dinu Fl., Vulcu Cr. – Optimizarea geometriei decuparii talpilor (dog bone) pentru grinzile disipative ale unei structuri in cadre- Simpozionul Cercetari actuale in domeniul constructiilor metalice. Sisteme structurale si solutii inovative. Zilele Academice Timisene, ZAT 24 mai 2013
6. F. Dinu, D. Dubinã, I. Mãrginean, I. Petran, M. Pãstrav, A. Kovacs, D. Aschilean, Concepția structurală si proiectarea pe baza controlului mecanismului de cedare a structurilor multietajate supuse la acțiuni accidentale, a XIII-a Conferință Națională de Construcții Metalice, București, 21-22 noiembrie 2013.
7. F. Dinu, D. Dubinã, I. Mãrginean, Starea limitã de robustețe în proiectarea structurilor în cadre metalice, a XIII-a Conferință Națională de Construcții Metalice, Bucuresti 2013