Departament: MECANICA CONSTRUCTIILOR
Post vizat: ASISTENT, poziţia 43
Candidat: dr. ing. Ştefan Marius BURU

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Listă publicaţii:

1. Chiorean C.G., <u>Buru S.M.</u> *Practical nonlinear inelastic analysis method of composite steel-concrete beams with partial composite action.* Acceptat spre publicare, Engineering Structures, http://dx.doi.org/10.1016/j.engstruct.2016.12.017, 2017.

2. Chiorean C.G., <u>Buru S.M.</u> *A computer method for nonlinear inelastic analysis of composite steel-concrete frameworks with partial shear connection.* The Sixth International Conference On Structural Engineering, Mechanics And Computation, 5-7 September 2016, Cape Town, South Africa.

3. Chiorean C.G., <u>Buru S.M.</u> *Nonlinear inelastic analysis of 3D composite steel-concrete frameworks with partial shear connection.* Proceedings of the International Colloquim on Stability and Ductility of Steel Structures, Wiley Ernst & Sons, 2016.

4. <u>Buru S.M.</u>, Chiorean C.G. *Analiza neliniară avansată a structurilor în cadre compozite oţel-beton cu interacţiune parţială şi conexiuni semirigide.* CONSTRUIEŞTE CU „STEEL" Lucrările celei de-a XIV-a Conferinţe Naţională de Construcţii Metalice Cluj Napoca, 19-20 noiembrie 2015.

5. Chiorean C.G., <u>Buru S.M.</u> *Advanced Nonlinear Inelastic Analysis of 3D Composite Steel-Concrete Frameworks with Partial Shear Connection.* Trimis spre publicare (în curs de recenzie), Computers and Structures, 2015

6. Chiorean C.G., Marchis I.V., <u>Buru M.</u> *A Computer Method Design and M-N-O Analysis of Prestressed RC Cross-Sections.* Journal of Structural Engineering (CSIR-SERC), Vol. 42, No.1, pp. 64-77, 2015

7. Chiorean C.G., <u>Buru S.M.</u> *Advanced Nonlinear Inelastic Analysis of Three Dimensional Composite Steel-Concrete Frameworks.* The 18th International Conference on Composite Structures, 15-18 June 2015, Lisabona, Portugal

8. <u>Ştefan M. Buru</u>, Cristian V. Miculaş, Mihai D. Şelariu, Tudor Milchiş, Cosmin G. Chiorean. *Advanced Nonlinear Inelastic Analysis of Composite Beams with Partial Shear Connection.* Proceedings of the Second International Conference for PhD Students in Civil Engineering and Architecture, U.T.PRES, Cluj-Napoca, 2014

9. Cosmin G. Chiorean, Ioana Marchiş, <u>Marius Buru</u>, *A computer method for M-N-Φ analysis of prestressed reinforced concrete cross-sections.* ICCMS 2014: 5th International Congress on Computational Mechanics and Simulation, 10-13 December, India

10. C.G. Chiorean, <u>M. Buru</u>, A. Chira, *Advanced nonlinear inelastic analysis of 3D composite steel-concrete frameworks.* CST 2014: The Twelfth International Conference on Computational Structures Technology, 2-5 September 2014, Naples, Italy

11. C.G. Chiorean, A. Chira, <u>M. Buru</u> *A computer method for design and M-N-Phi analysis of composite steel-concrete cross section.* SEMC 2013: The Fifth International Conference on Structural Engineering, Mechanics and Computation, 2-4 September 2013, Cape Town, South Africa

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13. <u>Stefan M. Buru</u>, Alexandru Chira. *Advanced finite element modeling of steel frame.* C60 International Conference: Tradition and Innovation–60 Years of Civil Engineering Higher Education in Transilvania", 7-9 Nov. 2013, Cluj-Napoca, România, ISBN 978-973-662-903-7

14. C.G. Chiorean, <u>M. Buru</u>, A. Chira. *Advanced nonlinear inelastic analysis of 3D composite steel-concrete frameworks.* C60 International Conference: Tradition and Innovation – 60 Years of Civil Engineering Higher Education in Transilvania", 7-9 Nov 2013, Cluj-Napoca, România, ISBN 978-973-662-903-7

15. <u>Stefan M. Buru</u>, Alexandru Chira. *New trends in finite element modeling of steel frame structures.* CE-PhD 2012: First International Conference for PhD Students in Civil Engineering", 4-7 November 2012, Cluj-Napoca, România, ISBN 978-973-757-710-8

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Candidat: dr. ing. Ștefan Marius BURU

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Listă cărți, îndrumătoare didactice:

1. Alexandru Chira, Ștefan Marius Buru : „Analiză neliniară a structurilor. Îndrumător de laborator'', U.T.PRES 2014, Cluj-Napoca, 2014, ISBN 978 – 973 – 662 – 941 - 9