

LISTĂ PUBLICAȚII

dr. ing. Mojolic Cristian

Lucrări științifice

1. Cristian Mojolic, Radu Hulea, Bianca Parv, **Weight optimization of large span steel truss structures with genetic algorithm**, AIP Conference Proceedings 1648, 850083 (2015); doi: 10.1063/1.4913138
2. Cristian Mojolic, Radu Hulea, Bianca Roxana Parv: **Automatic Design Optimization Tool for Passive Structural Control System**, *International conference on numerical analysis and applied mathematics 2016 (ICNAAM-2016), 19-25 Septembrie 2016, Rhodos, Grecia,*
3. Cristian Mojolic, Tudor Petrina: **Conceptual Optimization of Seismic Isolated Long Span Structures**, *International conference on numerical analysis and applied mathematics 2016 (ICNAAM-2016), 19-25 Septembrie 2016 Rhodos, Grecia,*
4. Bianca Parv, Radu Hulea, Cristian Mojolic, **Conceptual optimization using genetic algorithms for tube in tube structures**, AIP Conference Proceedings 1648, 850114 (2015); doi: 10.1063/1.4913169
5. Bianca Roxana Parv , Radu Hulea, Cristian Mojolic: **Structural Optimization for Shear Wall and Central Core Tall Building using Genetic Algorithms – Part I Soft-Ware**, *International conference on numerical analysis and applied mathematics 2016 (ICNAAM-2016), 19-25 Septembrie 2016, Rhodos, Grecia,*
6. Paolo Scotti, Ivan Marena, Cristian Mojolic: **Seismic devices for the structure protection: a correct selection with a focus on the installation under a steel structure**, *“Construieste cu STEEL” a 14-a conferinta nationala de constructii metalice 19-20 Noiembrie 2015, Cluj-Napoca, Romania, pagina 71-82, ISBN: ISBN 978-973-713-334-2*
7. Petrina Mircea, Cristian Mojolic, Parv Bianca, Paula Groza: **Concept structural pentru sala de sport multifuncțională cu 3000 de locuri, Sfântu-Gheorghe**, *“Construieste cu STEEL” a 14-a conferinta nationala de constructii metalice 19-20 Noiembrie 2015, Cluj-Napoca, Romania, pagina 415-424, ISBN: ISBN 978-973-713-334-2*
8. Cristian Mojolic, **Izolarea seismică a structurilor cu deschidere mare**, *“Construieste cu STEEL” a 14-a conferinta nationala de constructii metalice 19-20 Noiembrie 2015, Cluj-Napoca, Romania, pagina 653-662 ISBN: ISBN 978-973-713-334-2*
9. Bianca Parv, Cristian Mojolic, **Matrix formulation and substituted frame method applied to asymmetrical central core system**, *C60 International Conference "Tradition and innovation- 60 years of civil engineering higher education in Transilvania, Cluj-Napoca, 07-09 noiembrie, 2013, pagina 23-24, ISBN 978-973-662-903-7*

10. Petrina Mircea, Nicolae Socaciu, Rus Petru, Bogdan Petrina, Radu Hulea, Radu Zoicas, Cristian Mojolic, Tudor Petrina, **Researches on design optimization of the resistance structure of the Cluj-Napoca City Stadium in the case of loads due to temperature variation**, publicată în Analele Universitatii din Oradea: Fascicula constructii si instalatii hidroedilitare vol. XIII-2, an 2010 ,pagina 327-336; ISSN 1454-4067
11. Petrina Mircea, Nicolae Socaciu, Bogdan Petrina, Radu Hulea, Radu Zoicas, Cristian Mojolic, Tudor Petrina, **The conception of the resistance structure of the City Stadium of Cluj-Napoca under accidental loadings**, lucrare publicată în Analele Universitatii din Oradea: Fascicula constructii si instalatii hidroedilitare vol. XIII-2, an 2010 ; pagina 317-326; ISSN 1454-4067
12. Cristian Mojolic, Tudor Petrina, **Structural solutions for modern sport halls and gymnasiums**, *Proceedings of the 4th International Conference GNP 2012 Civil Engineering - Science and Practice* , Civil Engineering Faculty, University of Montenegro, 20-24 februarie 2012, Zabljak, Muntenegru, pagina 543-550, ISBN 978-86-82707-21-9
13. Cristian Mojolic, **Preliminary studies of structural design of the gymnasiums in Sfantu-Gheorghe and Slatina**, *Proceedings of the 2nd International Scientific Meeting GTZ 2012* Tuzla, 07-09 iunie, 2012, pagina 421-428, ISBN 978-9958-628-16-0
14. Cristian Mojolic, **Structural model and conceptual optimization of the Sfantu-Gheorghe Multifunctional Sport Hall roof**, *Proceedings of the 2nd International Scientific Meeting GTZ 2012* Tuzla, 07-09 iunie, 2012, pagina 429-435, ISBN 978-9958-628-16-0
15. Nicolae SOCACIU, Tudor PETRINA, Hulea Radu, Cristian Mojolic, Ilinca Florina Moldovan (Lungu), Roxana Vidrean, **Conceptual Structural Solutions for the Resistance of the Stadium Roof**, 15th "Building Services, Mechanical and Building Industry Days" International Conference, 15-16 octombrie 2009, Debrecen, Ungaria (pg.103-111; ISBN 978-963-473-315-7)

Teza de doctorat:

Analiza și optimizarea conceptuală a structurilor cu deschidere mare utilizând soluții de izolare seismică, finalizată în anul 2016 sub conducerea prof. Dr. ing. Mircea Petrina

Cărți, îndrumătoare de laborator:

1. Nicolae Chira, Roxana Balc, Alexandru Catarig, Mojolic Cristian, etc – **Statica constructiilor: Structuri static determinate- indrumator pentru lucrari**. U.T. PRESS, Cluj-Napoca, 2014, ISBN: 978-973-662-975-4, 134 pagini
2. Nicolae Chira, Roxana Balc, Alexandru Catarig, Mojolic Cristian, etc – **Statica constructiilor: Structuri static nedeterminate- indrumator pentru lucrari**. U.T. PRESS, Cluj-Napoca, 2014, ISBN: 978-606-737-028-7, 125 pagini
3. Nicolae Chira, Roxana Balc, Mojolic Cristian, Ioana Muresan – **Statica constructiilor: Structuri static determinate- Teorie si aplicatii**. U.T. PRESS, Cluj-Napoca, 2015, ISBN: 978-606-737-138-3, 113 pagini

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