

LISTA DE LUCRARI

A. TEZA DE DOCTORAT

STUDIUL CONSOLELOR SCURTE DIN BETON ARMAT- Universitatea Tehnica „GH. Asachi” Iasi, Facultatea de Constructii , Iasi 2003, Domeniul: Inginerie civila

B. CARTI DE SPECIALITATE

1. **I. TUNS – „CONSOLE SCURTE DIN BETON ARMAT – conceptie, comportare, procedee de reabilitare”,** editura Universitatii Transilvania Brasov, 2002, ISBN 973-9474-34-9;
2. **I. TUNS – „CALCULUL SI ALCATUIREA FUNDATIILOR ”** , Editura Universitatii Transilvania Brasov, 2004, ISBN 973-635-263-3;
3. **I.TUNS - „CALCULUL SI ALCATUIREA FUNDATIILOR PE PILOTI”,** Editura MATRIX ROM Bucuresti, 2007, ISBN 978-973-755-184-9;
4. **I. TUNS, N. FLOREA, P. RAPISCA – „PROBLEME ALE CONSOLELOR SCURTE DIN BETON ARMAT”,** Editura Tehnica, Stiintifica si Didactica CERMI – Iasi, 2003, ISBN 973-8188-82-2;
5. **I.TUNS, P. MIHAI, N. FLOREA - „ BETON ARMAT SI PRECOMPRIMAT – betonul-armatura- conlucrarea,** Editura Universitatii Transilvania Brasov, 2007, ISBN 978-973-635-983-5;
6. **P. RAPISCA, O. DEACONU, I. TUNS – „MATERIALE DE CONSTRUCTII”,** Editura Universitatii „Transilvania” Brasov; ISBN 973-635-232-3 ;
7. **I. TUNS, N. FLOREA -„BETONUL PRECOMPRIMAT”,** Editura MATRIXROM Bucuresti, 2010, ISBN 978-973-755-572-4 ; 978-973-755-567-0

C. ARTICOLE ISI si/sau indexate BDI si sau publicate in reviste recunoscute CNCSIS

1. **Tuns Ioan -„Investigation of Degradation State and Practical Solutions of Rehabilitation for Reinforced Concrete Structural Elements” – DAAAM INTERNATIONAL VIENNA: Annals of DAAAM for 2010&PROCEEDINGS, of the International DAAAM Symposium: „Intelligent manufacturing & Automation Focus on Interdisciplinary Solutions”, 20-23 october 2010, ZADAR, CROATIA, pag. 1499-1500, ISSN 1726-9679;**
2. **Mantulescu Marius, Tuns Ioan- „Environment Friendly Consolidations Solutions for the National Road 1., ROMANIA, from km 204+445 at 204+700 and between km 205+250” DAAAM INTERNATIONAL VIENNA: Annals of DAAAM for 2010&PROCEEDINGS, of the International DAAAM Symposium: „Intelligent manufacturing & Automation Focus on Interdisciplinary Solutions”, 20-23 october 2010, ZADAR, CROATIA, pag. 1489-1490, ISSN 1726-9679;**
3. **Tuns Ioan, Mantulescu Marius – „Comparative solutions for the rehabilitation of damaged structural elements of Reinforced concrete” – Recent Advances in ENGINEERING MECANICS, STRUCTURES and ENGINEERING GEOLOGY,**



- Proceedings of the 2nd WSEAS International Conference on ENGINEERING MECHANICS, STRUCTURES and ENGINEERING GEOLOGY (EMESEG '09), Rodos, Greece, July 22-24, 2009, ISSN 1790-2769; ISBN 978-960-474-101-4, pag. 256-259;
4. Marius Mantulescu, Stan Fota, **Ioan Tuns - „Study Case of a Heat Pump Installation with Horizontal Ground Heat Exchangers”- Advances in ENVIROMENTAL & GEOLOGICAL SCIENCE & ENGINEERING**, Proceeding of the 2nd International Conference on ENVIROMENTAL and GEOLOGICAL SCIENCE and ENGINEERING (EG '09), Transilvania University of Brasov, Romania, September 24-26, 2009, ISSN –1790- 2769; ISBN 978–960-474-119-9, pag. 278-283;
 5. Mantulescu Marius, **Tuns Ioan - „Geotechnical Aspects Regarding the Rehabilitation of a Retaining Wall in a Residential Area – SUSTAINABILITY in SCIENCE ENGINEERING , Vol. 1**, Proceeding of the 11th WSEAS International conference on Sustainability in Science Engineering (SSE '09), Timisoara, Romania, May 27-29, 2009, ISSN 1790-2769; ISBN 978-960-474-080-2, pag. 236-240;
 6. Tamas. Florin., **Tuns Ioan - „Composite materials and modern technologies for waterproofing rehabilitation”**, The 4th International Gonference „Advanced Composite Materials Engineering, COMAT 2012, 18-20 Oct. Brasov, Romania, ISBN-13: 978-0981730059; ISBN-10: 0981730051, DERC Publishing House, Tewksbury (Boston), Massachusetts, U.S.A;
 7. M. Mantulescu, **I. Tuns, V. Asuencei -„, Foundation Solutionc for 4 blocks on a heteregeoneous soil in Brasov”- Preceeding of the 1st European Conference of Mining Engineering (MINENG '13), ISSN 2227- 4586, Turkey, oct. 2013;**
 8. V. Asuencei, **I. Tuns, M. Mantulescu - „Studies and Researches on Evolution of the Hydrostatic Level for an Urban Area” - Preceeding of the 1st European Conference of Mining Engineering (MINENG '13), ISSN 2227- 4586, Turkey, oct. 2013;**
 9. Fl. Tamas, **I. Tuns -„Envirnomentally Friendly Technologies to waterproofing Rehabilitation for Building Infrastructure - Advances in Envirnomental Technologies, Agriculture, Foods and Animal Science, ISSN 2227 – 4359, Brasov, Romania, June 1-3, 2013.**
 10. **I. TUNS - „Build the foundation of a new construction between two neighboring buildings”**, Bulletin of the Polytechnic Institute of Iassy, Romania, 2004, Tome L (LIV), Fasc.5, ISSN 1224-3884;
 11. **I. TUNS – „Behavior of some structural elements made of high resistance concrete, under vertical charges”** , Bulletin of the Transilvania University, of Brasov, Romania, 2006,ISSN1223-9631;
 12. **I. TUNS, N. FLOREA - „, The influence of chemical corrosion on the bearing capacity of reinforced concrete short consoles ”**, Bulletin of the Polytechnic Institute of Iassy, Romania,2002 Tome LI (LV), Fasc. 5, ISSN 1224-3884;
 13. **I. TUNS, N. FLOREA - „Reinforced concrete consoles with are transferring the loads by tensile stresses”**, Bulletin of the Polytechnic Institute of Iassy, Romania,2002 Tomul LI (LV), Fasc.5, ISSN 1224-3884;
 14. **I. TUNS, P. RAPISCA, N. FLOREA, R. MUNTEAN - „Aspects regarding computation of capable efforts for prefab little brackets from reinforced concrete”**, Bulletin of the Polytechnic Institute of Iassy, Romania 2004, Tome L (LIV), Fasc.5, ISSN 1224-3884;
 15. **I. TUNS, P. RAPISCA, P. MIHAI, G. MUNTEAN - „, Designing reinforced concrete little brackets with bars models method”**, Bulletin of the Polytechnic Institute of Iassy, Romania 2004, Tome L (LIV), Fasc.5, ISSN 1224-3884;

- 

16. P. RAPISCA, I. TUNS, G. MUNTEAN - „**Analysis of a reinforced concrete structure from CCH Zarnesti SA damaged by corrosion**”, Bulletin of the Polytechnic Institute of Iassy, Romania 2004 Tome L (LIV), Fasc.5, ISSN 1224-3884;
17. N. FLOREA, I. TUNS, P. MIHAI – „**Study of causes which induce the damage of some short consoles made of reinforced concrete**”, Bulletin of the Polytechnic Institute of Iassy, Romania, 2001, Tome XLVII(IL), Fasc. 5, ISSN 1224 – 3884;
18. N. FLOREA, I. TUNS ,P. MIHAI – „**Rehabilitation solutions for bearing capacity of some damaged short consoles made of reinforced concrete**” , Bulletin of the Polytechnic Institute of Iassy, Romania, 2001 , Tome XLVII(IL), Fasc. 5, ISSN 1224 – 3884;
19. G. MUNTEAN, R. MUNTEAN, P. RAPISCA, I. TUNS - „ **Applications of ferrocement for rehabilitation of floors** ”, Bulletin of the Polytechnic Institute of Iassy, Romania , 2004, Tome L (LIV), Fasc.5, ISSN 1224-3884;
20. R. MUNTEAN, P. RAPISCA, I. TUNS - „**Using plastic junks to make some construction elements**”, Bulletin of the Polytechnic Institute of Iassy, Romania , 2004, Tome L (LIV), Fasc.5, ISSN 1224-3884;
21. . P. RAPISCA, I. TUNS, G. MUNTEAN - „**Considerations regarding durability design for reinforced concrete structures**”, Bulletin of the Polytechnic Institute of Iassy, Romania , 2004, Tome L (LIV), Fasc.5, ISSN 1224-3884;
22. . I.TUNS, FLORIN- L TAMAS - **Aspects regarding the degradation of a retaining wall with the destination to reinforce the stability of the site arrangement of residential buildings** - Bulletin of the Polytechnic Institute of Iassy, Romania , 2008, Tome LIV (LVIII), Fasc.4, ISSN 1224-3884;
23. . FLORIN –L TAMAS, I. TUNS – **Modern solution to eliminate capillarity moisture from brick walls – COMER METHOD** - Bulletin of the Polytechnic Institute of Iassy, Romania , 2008, Tome LIV (LVIII), Fasc.4, ISSN 1224-3884;
24. . TUNS I., MANTULESCU M., TAMAS F. : **Analysis on the Degradation State of the Site of Certain Residential Buildings** – Bulletin of the TRANSILVANIA University of Brasov;2009, Vol.2(51), Series I 2009, ISSN 2965-2119;
25. . MANTULESCU M., TUNS I. – **A Geological Study’s Premises for resizing the Geothermal Exchange Field within the Transilvania University PRO DD Research Institute** - Bulletin of the TRANSILVANIA University of Brasov;Vol. 2(51), Series I, 2009, ISSN 2065- 2119
26. . I. TUNS, F. TAMAS - „**Aspects Regarding Diagnosis and Rehabilitation of an Industrial Reinforced Concrete Structure**” - Bulletin of the TRANSILVANIA University of Brasov;Vol. 3(52), Series I: Engineering Sciences, 2010, ISSN 2065- 2119;
27. . F. TAMAS, I. TUNS - „**Removing Capillary Moisture from brick Walls using a Drying Method and Case Study**”- Bulletin of the TRANSILVANIA University of Brasov;Vol. 3(52), Series I: Engineering Sciences, 2010, ISSN 2065- 2119;
28. . I. TUNS, F. TAMAS – **Procedee de investigare si reabilitare structurala a unor cladiri expuse mediului coroziv de exploatare** - Revista Romana de Inginerie Civila , Vol.2 (2011),ISSN 2068-3987, Editura MATRIX ROM, Bucuresti;
29. I. TUNS , F. TAMAS - „ **Metalic consolidation Solution of Some damaged Structural Reinforced Concrete Elements**” – Conferinta „Steel 2011”- Cluj Napoca, Editura MEDIAMIRA, <http://constructii.utilaj.ro/CS2011>
30. F. TAMAS, I. TUNS – **Waterproof expertise of an objective with brick walls affected by capillarity moisture** - Bulletin of the TRANSILVANIA University of Brasov; Series I: Engineering Sciences, 2011, ISSN 2065- 211;

31. **I. TUNS, T. GALATEANU** - „Case study regarding the influence of faults in execution over performance requirement in a frame steel structure” – Journal of applied engineering sciences / Analele Universitatii din Oradea, Fascicula „Constructii si Instalatii hidroedilitare” 1454-4067, 2012;
32. **I. TUNS, M. MANTULESCU** – Studies of consolidation solutions considering foundation soil and an open caisson with the function of Wastewater pumping station”- Bulletin of the TRANSILVANIA University of Brasov; Series I: Engineering Sciences, 2012, 2065-2019, 2065212/CD;
33. **I. TUNS, FL. TAMAS, V. PASCANU** - „Case study of structural rehabilitation of a damaged wing of a building in order to change destination” - - Bulletin of the TRANSILVANIA University of Brasov; Series I: Engineering Sciences, 2012, 2065- 2019, 2065212/CD;
34. **FL. TSAMA, I. TUNS** - „Modern method to waterproofing rehabilitation for building infrastructure,, - – Journal of applied engineering sciences / Analele Universitatii din Oradea, Fascicula „Constructii si Instalatii hidroedilitare” 1454-4067, 2012;
35. **M. MANTULESCU, I. TUNS** – Effective foundation of a industrial building on varied field conditions” - - Bulletin of the TRANSILVANIA University of Brasov; Series I: Engineering Sciences, 2012, 2065- 2019, 2065212/C,
36. **I. TUNS, FL. TAMAS, V. PASCANU** - „Analysis on an Extinging Building on the Fulfillment of Level of Assurance to Seismic Action” – Journal of Applied Engineering of Sciences/ Analale Universitatii din Oradea, 2013, fascicula Constructii si Instalatii Hidrotehnice 1454-4067;
37. **V. ASUENCEI, I. TUNS** - „Theoretical metode for Determining the Permeability Coefficient” – Buletin of Transilvania University, 2013, Seria 1- Engineering Sciences 2065-2119; 2065-2127;
38. **C. ROTARU, I. TUNS** - „Technic - Envirnomental Criteria Used in Building Design”- Buletin of Transilvania University, 2013, Seria 1- Engineering Sciences 2065-2119; 2065-2127;
39. **FL. TAMAS, I. TUNS** - „High Performance Materials to Waterproofing Rehabilitation for Building Infrastructure” Jurnal BDI:WSEAS_Cambridge_2014
link:<http://www.wseas.org/main/books/2014/CambridgeUSA/MATHIMA.pdf>
<http://www.wseas.org/main/books/2014/CambridgeUSA/MATHIMA.pdf>;
40. **M. MANTULESCU, I. TUNS, FL. TAMAS** - „Correlation of some parameters “in situ” determined during executions of Ghimbav – Braşov runway airport” Jurnal BDI: TRANSILVANIA UNIVERSITY PUBLISHING HOUSE, BRASOV
link:<http://aspekt.unitbv.ro/jspui/handle/123456789/513> <http://aspekt.unitbv.ro/jspui/handle/123456789/513>;
41. **I. TUNS, FL. TAMAS, M. MANTULESCU** - „The settlement of a building on a slope soil susceptible to slide” JurnalBDI:Transilvania University Publishing House
link:<http://aspekt.unitbv.ro/jspui/handle/123456789/467> <http://aspekt.unitbv.ro/jspui/handle/123456789/467>;
42. **V. ASUENCEI, I. TUNS, Tf. GALATEANU**- „Landslide a direct result of human activities and envirnomental factors”, Jurnal BDI:Transilvania University House
link:<http://aspekt.unitbv.ro/jspui/handle/123456789/467>
<http://aspekt.unitbv.ro/jspui/handle/123456789/467>;
43. **I. TUNS, M. MANTULESCU** – „Using structured piles as stabilizing elements of sliging susceptible slopes”, International Scientific Conference CIBv 2015, Journal BDI:Transilvania University Publishing House;



44. Tf. GALATEANU, D. TAUS, I. TUNS – „The improvement of behavior to vertical forces for structural roof elements by reconfiguring the statics scheme. Case study”, International Scientific Conference CIBv 2015, Journal BDI:Transilvania University Publishing House;
45. M. MANTULESCU, I. TUNS – „Foundation solution of a building on saturated ground, compressible in Brasov city”, International Scientific Conference CIBv 2015, Journal BDI:Transilvania University Publishing House;
46. P. MIZGAN, I. TUNS, R. MUNTEAN - „Case study regarding the influence of the operating environment on the degradation state of an industrial building”, International Scientific Conference CIBv 2015, Journal BDI:Transilvania University Publishing House

D. ARTICOLE PUBLICATE IN VOLUMELE UNOR MANIFESTARI STIINTIFICE INTERNATIONALE ORGANIZATE IN TARA SI STRAINATATE

1. I. TUNS, P. RAPISCA – „Issues related to the efficiency of rehabilitations practical procedures of some depreciated infrastructure elements made of concrete steel”, The International Conference – Durability of concrete and concrete works, Bucharest – Romania, 25-30 september 2005,
2. P. RAPISCA , I. TUNS – „Analysis of the depreciated /worn condition of structural items in reinforced concrete at a paper and celluloses manufacturer”, The International Conference – Durability of concrete and concrete works, Bucharest – Romania, 25-30 september 2005,
3. I. TUNS, P. RAPISCA, N. FLOREA, P. MIHAI – „Pre-fabricated brackets in reinforced concrete”, International Symposium „Materials, elements and composite structures for construction”, Timisene Academics Days – Ed. a IX-a, 26-27 may, 2005, , Editura MIRTON, ISBN 973-661-652-5;
4. I. TUNS, P. RAPISCA, , P. MIHAI, N. FLOREA – „Issues concerning the efficiency of heat of rehabilitation measures proposed for the covering elements of a dwelling located in the city of Brasov”, International Symposium „Materials, elements and composite structures for construction”, Timisene Academics Days – Ed. a IX-a, 26-27 may, 2005, , Editura MIRTON, ISBN 973-661-652-5;
5. P. RAPISCA, I. TUNS, A. DRAGAN, F. TAMAS – „Technological version of assembly of cable transport equipment at the sky slope Kalinderu Busteni”, International Symposium „Materials, elements and composite structures for construction”, Timisene Academic Days – Ed. a IX-a, 26-27 may, 2005, , Editura MIRTON, ISBN 973-661-652-5;
6. P. RAPISCA, I. TUNS, F. TAMAS – „Reinforcement of concrete with plastic mass fibres, of POLITON and FIBRIN type, in scattered mounting”, International Symposium „Materials, elements and composite structures for construction”, Timisene Academic Days – Ed. a IX-a, 26-27 may, 2005, , Editura MIRTON, ISBN 973-661-652-5;
7. I. TUNS, P. RAPISCA — Study on the working behaviour of some structural elements made of high resistance concrete, degraded and rehabilitated by confinement using rigid metallic boxes – International Symposium- High and very high strength concrete

- (materials, technologies, properties, structures), Bucharest, Romania, 24-25 may 2007, Editura MATRIXROM ISBN 978-973-755-202-2,
8. **I. TUNS, P. RAPISCA, FI. TAMAS – Issues concerning the rehabilitation of some structural elements reinforced concrete by coating them in a rigid layer of reinforced concrete and high – quality concrete** - International Symposium „Materials, elements and composite structures for construction”, Timisene Academic Days – Ed. a X-a, 26-27 mai 2007, Editura Politehnica, ISSN 1843-0910;
 9. **P. RAPISCA, I. TUNS, FI. TAMAS – Technological aspects and optimal solutions for the achievement of monolith reinforced concrete structural elements for a trade center.** International Symposium „Materials, elements and composite structures for construction”, Timisene Academic Days – Ed. a X-a, 26-27 mai 2007, Editura Politehnica, ISSN 1843-0910
 10. **I. TUNS, P. RAPISCA, FI. TAMAS – Utilizarea betoanelor de inalta performanta pentru refacerea capacitatii portante a unor elemente structurale degradate** – Conferinta Internationala CONTEL, iunie 2007; ISSN 1843-1232 (recenzate si date spre editare);
 11. **P. RAPISCA, I. TUNS, FI. TAMAS – Varianta tehnologica de executie a structurii din beton armat monolit si studio privind atilizarea instalatiilor de ridicat pentru lucrarile din Complexul commercial Unirea „Shopping center” Brasov** - Conferinta Internationala CONTEL, iunie 2007, ISSN 1843-1232 (recenzata si data spre editare) ;
 12. **I. BOIAN, I. TUNS – „Green building as a purpos for a sustenable built environment”**- The International Conference – Conference of Sustenable Energy, iulie 2008, Brasov; Editura Universitatii Transilvania din Brasov
 13. **Ioan TUNS, Marius Mantulescu, Florin TAMAS- „Aspects Regarding Investigation and Consolidation of Site Arrangement of Residential Buildings”**- „Pruceedings of the International Scientific Conference”, CIBv 2010, 12-13 nov. 2010, ISSN 1843-6617; Editura Universitatii Transilvania din Brasov
 14. **Ioan TUNS, Florin TAMAS, Marius Mantulescu – The Checking on Experimental models on capable Load Established by Theoretical and Relations of calculation** - „Pruceedings of the International Scientific Conference”, CIBv 2010, 12-13 nov. 2010, ISSN 1843-6617; Editura Universitatii Transilvania din Brasov
 15. **Florin TAMAS, Ioan TUNS, Tiberiu Streza – Considerations Related to Waterproofing Brick Walls Affected by capillary Moisture and case Study**- „Pruceedings of the International Scientific Conference”, CIBv 2010, 12-13 nov. 2010, ISSN 1843-6617; Editura Universitatii Transilvania din Brasov
 16. **Florin TAMAS, Ioan TUNS, Tiberiu Streza – Modern Methods for waterproofing rehabilitation of existing Buildings** - „Pruceedings of the International Scientific Conference”, CIBv 2010, 12-13 nov. 2010, ISSN 1843-6617; Editura Universitatii Transilvania din Brasov;
 17. **Ioan TUNS, Marius Mantulescu, Florin TAMAS- Experimental study regarding class concrete optimization used to consolidation of damaged structural elements** – Procedings of the international Conference DEDUCON – Sustainable Development in Civil Engiheering Iasi 2011, Editura Societatii Academice „Matei Teiu Botez”;
 18. **Florin TAMAS, Ioan TUNS – Software optimization of a technological solution for waterproofing rehabilitation of rising damp affected walls** - – Procedings of the international Conference DEDUCON – Sustainable Development in Civil Engiheering Iasi 2011, Editura Societatii Academice „Matei Teiu Botez”;
 19. **MANTULESCU M., TUNS I – A real Estate Fondation an Improved Ground in a Residential Area on Brasov** - Procedings of the international Conference DEDUCON –

Sustainable Development in Civil Engineering Iasi 2011, Editura Societatii Academice „Matei Teiu Botez”;

20. **I. Tuns, T. Galateanu, Fl. Tamas - „Study Regarding the Influence of Linking Metal Columns in a Steel Building’s Foundation Having a Durable Frame Structure” –** Proceedings of the C60 International Conference – Cluj Napoca, Ed. UT PRESS, ISBN 978-973-662-903-7

E. ARTICOLE PUBLICATE IN VOLUMELE UNOR MANIFESTARI STIINTIFICE NATIONALE

1. **I. TUNS – „Consideratii privind comportarea consolelor scurte din beton armat sub actiunea incarcarii”,** Sesiunea stiintifica aniversara Constructii – Instalatii Brasov (CIB 30.10), 14-15 nov. 2002 Brasov, Editura UNIVERSITATII TRANSILVANIA BRASOV, ISBN 973 – 635 – 082 – 7.
2. **I. TUNS – „Aspecte privind degradarea prin coroziune a unor console scurte din beton armat.Solutii de reabilitare”,** Sesiunea stiintifica aniversara Constructii – Instalatii Brasov (CIB 30.10), 14-15 nov. 2002 Brasov, Editura UNIVERSITATII TRANSILVANIA BRASOV, ISBN 973 – 635 – 082 – 7.
3. **I. TUNS, P. RAPISCA – „Studiul comparativ privind starea de tensiune si deformatie in consolele scurte din beton armat”,** Simpozion „Materiale, elemente si structuri compozite pentru constructii”, Zilele Academice Timisene – Editia a VIII-a, 22-23 mai 2003, Timisoara, Editura MIRTON, ISBN 973 – 661 012 – 8.
4. **I. TUNS, P. RAPISCA – „Studiul experimental privind comportarea la sarcini verticale a consolelor scurte din beton armat”,** Simpozion „Materiale, elemente si structuri compozite pentru constructii”, Zilele Academice Timisene – Editia a VIII-a, 22-23 mai 2003, Timisoara, Editura MIRTON, ISBN 973 – 661 012 – 8.
5. **I. TUNS, P. RAPISCA, N. FLOREA – „Aspecte privind comportarea in exploatare a unor structuri industriale din beton armat”,** Schimbul de experienta a laboratoarelor din constructii, SELC 2005, editia a XVII-a, 20-22 octombrie, Neptun, Editura „MAN-DELY” Bucuresti, ISBN 973– 87095 – 8 – X.
6. **I. TUNS, P. RAPISCA, P. MIHAI – „Expertiza tehnica si auditul energetic pentru reabilitarea hidrotermica a unei cladiri de locuit”,** Schimbul de experienta a laboratoarelor din constructii, SELC 2005, editia a XVII-a, 20-22 octombrie, Neptun, Editura „MAN-DELY” Bucuresti, ISBN 973– 87095 – 8 – X.
7. **I. TUNS , M. MANTULESCU– „Aspecte privind realizarea infrastructurii unei constructii sub cota de fundare a doua cladiri existente”,** A X-a Conferinta Nationala de Geotehnica si Fundatii, Volumul II, 16-18 septembrie 2004, Bucuresti, Editura Conspress, ISBN 973 – 7797 – 19 – 1, ISBN 973 – 7797 – 21 – 3.
8. **I. TUNS, P. RAPISCA, G. MUNTEAN, R. MUNTEAN – „Calculul capacitatii portante a consolelor scurte din beton armat prin metoda elementelor finite”,** Lucrarile Sesiunii Stiintifice Constructii-Instalatii CIB 2004, 18-19 noiembrie, Brsov, Editura Universitatii Transilvabnia Brasov 2004, ISBN VOL1+VOL2: 973 – 635 – 409 – 1, ISBN VOL1: 973 – 635 – 410 – 5,
9. **I.TUNS, P. RAPISCA, P. MIZGAN, R. MUNTEAN, G. MUNTEAN – „Aspecte privind expertiza termica a unei cladiri de locuit situata in orasul Brasov”,** Lucrarile Sesiunii

- Stiintifice Constructii-Instalatii CIB 2004, 18-19 noiembrie, Volumul 2, Brso, Editura Universitatii Transilvania Brasov 2004, ISBN VOL1+VOL2: 973 – 635 – 409 – 1, ISBN VOL2: 973 – 635 – 411 – 3.
- 10 **I. TUNS, P. RAPISCA – „Incerari mecanice de laborator efectuate pe modele experimentale realizate la scara naturala”**, Schimbul de experienta a laboratoarelor de constructii, SELC 2003, editia a XV-a, 16-18 octombrie, Piatra Neamt, Editura MATRIX ROM, ISBN 973 – 685 – 646 – 1.
 - 11 **I. TUNS, P. RAPISCA – „Realizarea unei cladiri civile in conditii dificile de fundare”**, Schimbul de experienta a laboratoarelor de constructii, SELC 2003, editia a XV-a, 16-18 octombrie, Piatra Neamt, Editura MATRIX ROM, ISBN 973 – 685 – 646 – 1.
 - 12 **I. TUNS, P. RAPISCA - „Console scurte din beton armat .Incerari mecanice de laborator”**, Revista Constructii Civile si Industriale Anul V, nr. 51, aprilie 2004, Editura CIVIO ;
 - 13 **Ioan TUNS, Marius MANTULESCU - „Aspecte privind realizarea unei fundatii tehnologice de dimensiuni mari in apropierea si sub cota fundatiilor structurale existente”**, A XI – A Conferinta Nationala de Geotehnica si Fundatii, Timisoara, 18-20 septembrie, 2008
 - 14 **I.TUNS,P.RAPISCA,N.FLOREA -„Studiu privind utilizarea betonului de inalta rezistenta la consolidarea elementelor structurale degradate”**SELC 2006,Editia a XVIII-a 5-7octombrie ,Editura „MAN-DELY”, I.S.B.N 973-7689-04-6,
 - 15 **Ioan TUNS, Petru RAPISCA, Florin TAMAS - „Refacerea capacitatii portante a unor elemente structurale degradate cu ajutorul betoanelor de inalta performanta”**, Lucrarile Sesiunii Stiintifice Constructii – Instalatii CIB 2007, 15-16 noiembrie, Editura Universitatii Transilvania Brasov, ISSN 1843 - 6617 ;
 - 16 **Ioan TUNS, Petru RAPISCA, Nicolae FLOREA, Paraschiva MIZGAN - „Verificarea pe cale experimentală a unor solutii practice de reabilitare structurala”**, Lucrarile Sesiunii Stiintifice Constructii – Instalatii CIB 2007, 15-16 noiembrie, Editura Universitatii Transilvania Brasov, ISSN 1843 - 6617 ;
 - 17 **Ioan TUNS, Petru RAPISCA, Marius MANTULESCU, Florin TAMAS - „Aspecte privind proiectarea structurala si tehnologia de executie a unei fundatii de utilaj de mari dimensiuni”** , Lucrarile Sesiunii Stiintifice Constructii – Instalatii CIB 2008, 21-22 noiembrie, Editura Universitatii Transilvania Brasov, ISSN 1843 - 6617 ;
 - 18 **Ioan TUNS, Petru RAPISCA, Florin TAMAS, Paraschiva MIZGAN - „Modele de calcul pentru determinarea armaturii longitudinale si transversale in consolele scurte”**, Lucrarile Sesiunii Stiintifice Constructii – Instalatii CIB 2008, 21-22 noiembrie, Editura Universitatii Transilvania Brasov, ISSN 1843 - 6617 ;
 - 19 **N. FLOREA, I. TUNS - „ Aspecte privind deteriorarea unor console scurte din beton armat. Solutii practice de reabilitare”**, Conferinta Nationala de Comportare in Situ a Constructiilor, Buzias- 1998
 - 20 **P. RAPISCA , I. TUNS – „Studiu privind diagnosticarea si prognozarea starii tehnice a unor elemente din beton armat”**, Simpozion „Materiale, elemente si structuri compozite pentru constructii”, Zilele Academice Timisene – Editia a VIII-a, 22-23 mai 2003, Timisoara, Editura MIRTON, ISBN 973 – 661 – 012 – 8.
 - 21 **P. RAPISCA , I. TUNS – „Aspecte privind determinarea nivelelor de coroziune ale armaturilor structurilor de beton armat”**, Simpozion „Materiale, elemente si structuri compozite pentru constructii”, Zilele Academice Timisene – Editia a VIII-a, 22-23 mai 2003, Timisoara, Editura MIRTON, ISBN 973 – 661 – 012 – 8.

- 22 P. RAPISCA, I. TUNS - „Metode de proiectare la durabilitate a structurilor de beton armat”, Revista Constructii Civile si Industriale, Anul V, nr.52, mai 2004, Editura CIVIO ;
- 23 Marius MANTULESCU, Ioan TUNS - „Unele aspecte privind corelatia dintre compozitia mineralo-petrografica a terenului de fundare si comportarea in exploatare a unor cladiri de locuit situate in zona centrala a municipiului Brasov”, A XI – A Conferinta Nationala de Geotehnica si Fundatii, Timisoara, 18-20 septembrie, 2008 ;
- 24 RAPISCA, I. TUNS, F. TAMAS - „Proprietatile betonului autocompactant inainte si dupa intarire”, Simpozion „Structuri prefabricate din beton. Prezent si perspective”, 4 noiembrie 2005, Cluj-Napoca, Editura U.T.PRES, ISBN 973 – 662 – 190 – 1.
- 25 P. RAPISCA, I. TUNS, F. TAMAS - „Solutia tehnologica pentru un container de apa (zapada artificiala) la partia de ski din „Kalinderu” Busteni”, Simpozion „Structuri prefabricate din beton. Prezent si perspective”, 4 noiembrie 2005, Cluj-Napoca, editura U.T.PRES, ISBN 973 – 662 – 190 – 1
- 26 P. RAPISCA, I. TUNS, F. TAMAS, N. FLOREA – „Consideratii privind betoanele auto-consolidate (SCC)”, Schimbul de experienta a laboratoarelor din constructii, SELC 2005, editia a XVII-a, 20-22 octombrie, Neptun, Editura „MAN-DELY” Bucuresti, ISBN 973 – 87095 – 8 – X.
- 27 P. RAPISCA, I. TUNS, F. TAMAS – „Varianta tehnologica de executie pentru structura de rezistenta complex comercial „MACRO”, Brasov”, Schimbul de experienta a laboratoarelor de constructii, SELC 2005, editia a XVII-a, 20-22 octombrie, Neptun, Editura „MAN-DELY” Bucuresti, ISBN 973 – 87095 – 8 – X.
- 28 M. MANTULESCU, I. TUNS – „Conditii geotehnice si hidrogeologice din perimetrul municipiului Brasov”, A X-a Conferinta Nationala de Geotehnica si Fundatii, Volumul I, 16-18 septembrie 2004, Bucuresti, Editura Conspress, , ISBN 973 – 7797 – 19 – 1, ISBN 973 – 7797 – 21 – 3,
- 29 P. RAPISCA, I. TUNS, G. MUNTEAN, R. MUNTEAN – „Betoane armate dispers cu fibre de plastic”, Lucrarile Sesiunii Stiintifice Constructii-Instalatii CIB 2004, 18-19 noiembrie, Brasov, Editura Universitatii Transilvania Brasov 2004, ISBN VOL1+VOL2: 973 – 635 – 409 – 1, ISBN VOL1: 973 – 635 – 410 – 5, ISBN VOL2: 973 – 635 – 411 – 3,
- 30 P. RAPISCA , I. TUNS – „Aspecte ale modelelor electrochimice pentru coroziunea armaturilor din elemente structurale de beton armat”, Schimbul de experienta a laboratoarelor de constructii, SELC 2003, editia a XV-a, 16-18 octombrie, Piatra Neamt, Editura MATRIX ROM, ISBN 973 – 685 – 646 – 1,
- 31 P. RAPISCA , I. TUNS – „Consideratii privind proiectarea la durabilitate a structurilor de beton armat”, Schimbul de experienta a laboratoarelor de constructii, SELC 2003, editia a XV-a, 16-18 octombrie, Piatra Neamt, Editura MATRIX ROM, ISBN 973 – 685 –646-1,
- 32 P.RAPISCA, I.TUNS - „Varianta tehnologica pentru executia structurii complexului comercial „MAGNOLIA”, Racadau, Brasov, SELC 2006, Editia a XVIII-a 5-7 octombrie ,Editura „MAN-DELY”, I.S.B.N 973-7689-04-6,
- 33 P. MIHAI, N. FLOREA, I. TUNS – „Aspecte privind calculul structurilor din beton armat prin metoda time-history”, Simpozion „Materiale, elemente si structuri compozite pentru constructii”, Zilele Academice Timisene – Editia a VIII-a, 22-23 mai 2003, Timisoara, Editura MIRTON, ISBN 973 – 661 – 012 – 8,
- 34 P. MIHAI, N. FLOREA, I. TUNS – „Simularea elementelor din beton armat”, Simpozion „Materiale, elemente si structuri compozite pentru constructii”, Zilele Academice Timisene – Editia a VIII-a, 22-23 mai 2003, Timisoara, editura MITRON, ISBN 973 – 661 – 012 – 8,

- 35 P. MIHAI, N. FLOREA, I. TUNS – „Evaluarea nivelului de siguranta a elementelor si structurilor din beton armat prin metode analitice”, Simpozion „Materiale, elemente si structuri compozite pentru constructii”, Zilele Academice Timisene – Editia a VIII-a, 22-23 mai 2003, Timisoara, Editura MIRTON, ISBN 973 – 661 – 012 – 8,
- 36 N. FLOREA, P. MIHAI, I. TUNS – „Aspecte privind optimizarea armarilor in elementele din beton armat”, Simpozion „Materiale, elemente si structuri compozite pentru constructii”, Zilele Academice Timisene – Editia a VIII-a, 22-23 mai 2003, Timisoara, Editura MITRON, ISBN 973 – 661 – 012 – 8,
- 37 N. FLOREA, P. MIHAI, I. TUNS – „Contributii privind dimensionarea elementelor precomprimate incovoiate”, Simpozion „Materiale, elemente si structuri compozite pentru constructii”, Zilele Academice Timisene – Editia a VIII-a, 22-23 mai 2003, Timisoara, Editura MITRON, ISBN 973 – 661 – 012 – 8,
- 38 P. MIHAI, N. FLOREA, I. TUNS – „Aspecte privind criteriile tehnico-economice de proiectare a constructiilor”, Schimbul de experienta a laboratoarelor de constructii, SELC 2005, editia a XVII-a, 20-22 octombrie, Neptun, Editura „MAN-DELY” Bucuresti, ISBN 973 – 87095 – 8 – X,
- 39 P. MIHAI, N. FLOREA, I. TUNS – „Evaluarea efectelor produse de erorile si impreciziile de executie”, Schimbul de experienta a laboratoarelor de constructii, SELC 2005, editia a XVII-a, 20-22 octombrie, Neptun, Editura „MAN-DELY” Bucuresti, ISBN 973 – 87095 – 8 – X,
- 40 P. MIHAI, N. FLOREA, I. TUNS – „Siguranta structurala si calitatea executiei”, Schimbul de experienta a laboratoarelor de constructii, SELC 2005, editia a XVII-a, 20-22 octombrie, Neptun, Editura „MAN-DELY” Bucuresti, ISBN 973 – 87095 – 8 – X,
- 41 P. MIHAI, N. FLOREA, I. TUNS – „Simularea numerica a comportarii grinzilor din beton armat”, Lucrarile Sesiunii Stiintifice Constructii-Instalatii CIB 2004, 18-19 noiembrie, Brasov, Editura Universitatii Transilvania Brasov 2004, , ISBN VOL1+VOL2: 973 – 635 – 409 – 1, ISBN VOL1: 973 – 635 – 410 – 5, ISBN VOL2: 973 – 635 – 411 – 3,
- 42 P. MIHAI, N. FLOREA, I. TUNS – „Algoritmi neliniari folositi in analiza structurilor din beton armat”, Lucrarile Sesiunii Stiintifice Constructii-Instalatii CIB 2004, 18-19 noiembrie, Brso, Editura Universitatii Transilvania Brasov 2004, ISBN VOL1+VOL2: 973 – 635 – 409 – 1, ISBN VOL1: 973 – 635 – 410 – 5, ISBN VOL2: 973 – 635 – 411 – 3.
- 43 P. RAPISCA, A. DRAGAN, I. TUNS, R. MUNTEAN – „Rezervor de apa de 5.000 mc capacitate. Varianta tehnologica de executie: beton armat monolit precomprimat”, Lucrarile Sesiunii Stiintifice Constructii-Instalatii CIB 2004, 18-19 noiembrie, Volumul 1, Brso, Editura Universitatii Transilvania Brasov 2004, ISBN VOL1+VOL2: 973 – 635 – 409 – 1, ISBN VOL1: 973 – 635 – 410 – 5;
- 44 Radu MUNTEAN, Ioan TUNS, Petru RAPISCA- „Verificarea buteliilor din mase plastice prin realizarea unor elemente de constructii ‘’, Lucrarile Sesiunii Stiintifice Constructii – Instalatii CIB 2007, 15-16 noiembrie, Editura Universitatii Transilvania Brasov, ISSN 1843 - 6617 ;
- 45 Radu MUNTEAN, Ioan TUNS, Gavriela MUNTEAN - „Solutii eficiente de realizare a cladirilor de locuit performant energetic”, Lucrarile Sesiunii Stiintifice Constructii – Instalatii CIB 2007, 15-16 noiembrie, Editura Universitatii Transilvania Brasov, ISSN 1843 - 6617 ;
- 46 Petru RAPISCA, Ioan TUNS, Florin L. TAMAS - „Prezentare a unei variante tehnologice de realizare a unei structuri mixte otel-beton cu destinatie hotel-restaurant, in orasul

- Brasov”, Lucrarile Sesiunii Stiintifice Constructii – Instalatii CIB 2007, 15-16 noiembrie, Editura Universitatii Transilvania Brasov, ISSN 1843 - 6617 ;
- 47 Petru RAPISCA, Ioan TUNS, Florin L. TAMAS - „**Investigarea si analizarea elementelor structurale si a starii tehnice in ansamblu a unui rezervor de apa potabila de 1000 mc., din cartierul Racadau, Brasov**”, Lucrarile Sesiunii Stiintifice Constructii – Instalatii CIB 2007, 15-16 noiembrie, Editura Universitatii Transilvania Brasov, ISSN 1843 - 6617 ;
- 48 Florin L. TAMAS, Tiberiu STREZA, Petru RAPISCA, Ioan TUNS - „**Solutie tehnologica pentru eliminarea umiditatii capilare din zidurile de caramida si studiu de caz**”, Lucrarile Sesiunii Stiintifice Constructii – Instalatii CIB 2008, 21-22 noiembrie, Editura Universitatii Transilvania Brasov, ISSN 1843 - 6617 ;
- 49 Petru RAPISCA, Ioan TUNS, Florin L. TAMAS - „**Varianta tehnologica de realizare a unei structuri mixte metal – beton armat, multietajate**”, Lucrarile Sesiunii Stiintifice Constructii – Instalatii CIB 2008, 21-22 noiembrie, Editura Universitatii Transilvania Brasov, ISSN 1843 – 6617;
- 50 Petru RAPISCA, Nicolae FLOREA, Ioan TUNS, Florin L. TAMAS - „**Metoda pentru diagnosticarea structurilor din beton armat supuse atacului chimic in medii corozive**”, Lucrarile Sesiunii Stiintifice Constructii – Instalatii CIB 2008, 21-22 noiembrie, Editura Universitatii Transilvania Brasov, ISSN 1843 – 6617;
- 51 Marius MANTULESCU, Ioan TUNS - „**Presiunea acceptabila de fundare a terenurilor situate in zona centrala a municipiului Brasov si corelatia acesteia cu compozitia mineraloga-petrografica**”, Lucrarile Sesiunii Stiintifice Constructii – Instalatii CIB 2008, 21-22 noiembrie, Editura Universitatii Transilvania Brasov, ISSN 1843 – 6617

F. PROIECTE DE CERCETARE- DEZVOLTARE PE BAZA DE CONTRACT/GRANT INTERNATIONAL/ NATIONAL

F1. GRANT INTERNATIONAL DE EDUCATIE – LEONARDO

Director al specializarii CCIA din cadrul Facultatii de Constructii din Universitea TRANSILVANIA Brasov, partenera cu „Vitus Bering University” Danemarca” in derularea grantului - ”**Vocational Flexible Learning at the Workplace (Learn at work)** ”.

F2. PROIECT DE CERCETARE- DEZVOLTARE PE BAZA DE CONTRACT CASTIGAT PRIN COMPETITIE NATIONALA, nr. 262/26.07.2006

Director de contract al colectivului de la Facultatea de Constructii, Catedra de Constructii, prin Acordul ferm de asociere cu UTCB/INCERC/UTCN/UTP/UAUIM/UTGAI/UTrB, Nr. inregistrare UTrB1347/10.12.2006 privind elaborarea „**Metodologiei de calcul a performantei energetice a cladirilor.Parte 3 - Auditul si certificatul de performanta a cladirii.**”

F3. CONTRACTE DE CERCETARE – PROIECTARE CU MEDIUL SOCIO-ECONOMIC

Programul/ Proiectul	Funcția	Perioada
1. 6450/06.05.2011 „ Studii si cercetari privind conditiile optime de compactare a pamanturilor coezive – Aeroport Ghimbav Brasov ” Beneficiar : SC Kasim Emaka SRL ;	Responsabil contract	Mai- Dec. 2011
2. 3986/25.07.2013 „ Studii si cercetari ptivind identificarea si implementarea procedeelor	Responsabil contract	Iulie 2013 – Dec. 2014

<p>optime de compactare a pamanturilor si de realizare a suprafetelor de miscare aeroportuare aferente investitiei <i>Pista de decolare-aterizare- Aeroportul International Ghimbav – Brasov</i>”, Beneficiar : Consiliul Judetean Brasov</p>		
<p>3. 16203/11.12.2014 „Cercetari privind evaluarea starii de degradare a unei cladiri de productie cu destinatia <i>Tratamente de suprafata</i> expusa agresiunii chimice a mediului de exploatare. Identificare si propuneri de solutii de reabilitare structurala”</p>	<p>Responsabil contract</p>	<p>15.12.2014 – 20.04.2015</p>
<p>4. 8016/14.07.2015 „Cercetari privind identificarea si proiectarea solutiilor optime de modificare functionala a unui spatiu existent, in: <i>Atelier pentru decapare structure aeronave si piese simple</i>”</p>	<p>Responsabil proiect</p>	<p>15.07.2015 – 20.10.2015</p>

G. ALTE CONTRIBUTII STIINTIFICE

1. presedintele comitetului de organizare a manifestari stiintifice internationale „International Scientific Conference ” CIBc 2008 ; IBv2010; CIBv 2012, CIBv 2913, CIBv 2014, CIBv2015
2. charman la International Scientific Conference CIBv 2010; CIBv 2012, CIBv 2013, CIBv 2014, CIBv2015
3. referent stiintific al unor manifestari stiintifice nationale:/internationale
 - Constructii-Instalatii 2007 (CIBv2007),
 - Constructii-Instalatii 2008 (CIBv2008)
 - Constructii-Instalatii 2010 (CIBv2010);
 - Constructii-Instalatii 2012 (CIBv2012) ;
 - Constructii-Instalatii 2013 (CIBv2013);
 - Constructii-Instalatii 2014 (CIBv20014) ;
 - Constructii Instalatii 2015 (CIBv2015);
 - Reactii alcalii agregate factor al degradarii structurilor din beton in constructii (25 iunie 2009) ;
4. editor al „Proceedings of the International Scientific Conference” CIBv2010; CIBv2012, CIBv2013, CIBv2014, CIBv2015;
5. membru in Colegiul editorial al Revistei Romane de Inginerie Civila, editata de MATRIXROM Bucuresti;
6. referent stiintific al unor carti de specialitate publicate in edituri recunoscute CNCSIS:
 - a. Materiale de constructii, autor Petru Rapisca, Editura MATRIXROM Bucuresti;
 - a. Determinarea calitatii materialelor de constructii, autori; P.Rapisca, Fl. Tamas, R.Muntean, Editura MATRIXROM Bucuresti;
 - b. Caracteristicile fizico-mecanice ale materialelor de constructii, autori: P.Rapisca, Fl. Tamas, R.Muntean, Editura Universitatii Transilvania din Brasov
7. referent oficial in Comisia de sustinere publica a unui numar de peste 25 teze de doctorat la:



Universitatea Tehnica „Gh. Asachi” din Iasi ,Universitatea Tehnica din Cluj Napoca, Universitatea „TRANSILVANIA” Brasov , Universitatea Tehnica de Constructii Bucuresti , Universitatea „Ovidius” din Constanta.

8. intocmire referate de apreciere asupra unui numar de peste 40 de teze de doctorat sustinute la:
Universitatea Tehnica din Cluj-Napoca, Universitatea Tehnica „Gh. Asachi” din Iasi, Universitatea Transilvania din Brasov, Universitatea Tehnica de Constructii Bucuresti, Universitatea „Ovidius” Constanta;
9. presedinte al comitetului stiintific de organizare a unor Sesiuni Stiintifice studentesti in cadrul Facultatii de Constructii din Brasov: mai 2007,2008,2009,2010;
10. coorganizator al „Expo-Conferintei Internationale a Producatorilor de Structuri Speciale din Lemn, Case din Lemn, Case Pasive, Sarpante din Lemn si Otel –Editia A II-A Brasov, 4 decembrie 2009ș
11. coorganizator al „Expo-Conferintei Internationale – LEMNCONSTRUCT 2011”, Editia a-II-a Brasov, iunie 2011.

Prof.dr.ing.Ioan Tuns

