

## LISTA DE LUCRĂRI – DAN Sorin

### a) Lucrări considerate de candidat a fi cele mai relevante (10 lucrări)

1. C. Bob, **DAN Sorin**, C. Badea, L. Iures, “Classic and Modern Solutions for Rehabilitation of Reinforced Concrete Structures”, Structures and Extreme Events, IABSE Symposium, Lisbon, Portugal, 2005, ISBN: 3-85748-112-9;
2. **DAN Sorin**, C. Bob, A. Gruin, “Analysis of Reinforced Concrete Existing Structures in Seismic Regions” – WSEAS International Conference “Engineering Mechanics, Structures, Engineering Geology (EMESEG '08)”, Heraklion, Greece, 2008, pg. 96-103, ISBN 978-960-6766-88-6;
3. **DAN Sorin**, C. Bob, A. Gruin, C. Badea, L. Iures, “Strengthening of Reinforced Concrete Framed Structures in Seismic Zones by Using CFRP” – WSEAS International Conference “Engineering Mechanics, Structures, Engineering Geology (EMESEG '08)”, Heraklion, Greece, 2008, pg. 67-72, ISBN 978-960-6766-88-6;
4. C. Enuica, C. Bob, **DAN Sorin**, C. Badea, A. Gruin, “Solutions for Bond Improving of reinforced Columns Jacketing” – 11<sup>th</sup> WSEAS International Conference “Sustainability in Science Engineering (SSE '09)”, Timisoara, Romania, 2009, pg. 58-63, ISBN 978-960-474-080-2;
5. **DAN Sorin**, C. Bob, L. Bob, A. Gruin, C. Badea, “Modern Solutions for Strengthening of Masonry Structures” – 11<sup>th</sup> WSEAS International Conference “Sustainability in Science Engineering (SSE '09)”, Timisoara, Romania, 2009, pg. 64-69, ISBN 978-960-474-080-2
6. **DAN Sorin**, C. Bob, C. Badea, ”Impact of New Design Codes on Assessment and Redesign of Reinforced Concrete Existing Structures in Seismic Regions”, Large Structures and Infrastructures for Environmentally Constrained and Urbanised Areas, IABSE Symposium, Venice, Italy, 2010, ISBN: 978-385748-121-5;
7. **DAN Sorin**, ”Energy Saving with Rehabilitation Solutions for Existing Structures”, 4th WSEAS International Conference on Energy Planning, Energy Saving, Environmental Education, EPESE'10, 2010, ISBN: 978-960-474-187-8;
8. **DAN Sorin**, L. Iures, C. Badea, “Impact of Structural Rehabilitation of Existing Buildings on Energy Saving in Constructions”, 13th SGEM -Multidisciplinary conference, Albena, Bulgaria, 2013, ISSN: 1314-2704;
9. **DAN Sorin**, C. Bob, C. Badea, L. Iures, “Risk Assessment and Rehabilitation of Historical Masonry Buildings”, Proceedings of the 12th International Conference on Environment, Ecosystems and Development (EED 14), Brasov, Romania, 2014, ISBN: 978-960-474-385-8
10. R. Chendes, C. Bob, C. Badea, C.E. Podoleanu, **DAN Sorin**, L. Iures, „Experimental Research on Recycled Concrete Fines”, Revista de Chimie, Bucuresti, 2016, 67/No. 9, pag. 1868-1871.

### b) Teza de doctorat

Contribuții la stabilirea capacității portante a structurilor de beton armat având diferite durate de exploatare, Doctor în domeniul Inginerie Civilă, teză susținută la Universitatea “Politehnica” din Timișoara, 2000,

### c) Cărți și capitole în cărți

- DAN Sorin, C. Bob, "Reinforced and Prestressed Concrete Structures", Ed. EUROSTAMPA, Timisoara, 2014, 242 pag., ISBN 978-606-569-896-3;
- C. Bob, **DAN Sorin**, C. Badea, A. Gruin, L. Iures, "Strengthening of the Frame Structure at the Timisoreana Brewery, Romania" – SED Structural Engineering Documents, publication of IABSE International Association for Bridge and Structural Engineering, Zurich, Vol. 12, "Case Studies of Rehabilitation, Repair, Retrofitting, and Strengthening of Structures", 2010, Chapter 5, pg. 57-79, ISBN 978-3-85748-124-6;
- R. Zaharia, D. Dubina, D. Pinteau, **DAN Sorin**, D. Duma, O. Vassart, B. Zhao, "Fire Resistance Assessment of Composite Steel-Concrete Floors Partially Protected" – Ed. Orizonturi Universitare, Timisoara, 2011, 126 pg. – in Romanian, ISBN 978-973-638-482-0;
- **DAN Sorin**, "Behaviour of Structures Subjected to Seismic Impact" - Civil Engineering Department, Construction Institute, Lisbon, Portugal, Research Report, 1996, 51 pg., ISSN: 0871-7869;

### d) Articole clasificate ISI Proceedings

- C. Bob, **DAN Sorin**, C. Badea, L. Iures, "Classic and Modern Rehabilitation Techniques in Seismic Zones" – IABSE Symposium "Structures and Extreme Events", Lisbon, 2005;
- C. Bob, **DAN Sorin**, C. Badea, A. Gruin, "Refurbishment of Old Buildings by Classic and Modern Techniques" – IABSE Symposium "Responding to Tomorrow's Challenges in Structural Engineering", Budapest, 2006;
- **DAN Sorin**, C. Bob, A. Gruin, C. Badea, L. Iures, "Strengthening of Reinforced Concrete Framed Structures in Seismic Zones by Using CFRP" – WSEAS International Conference "Engineering Mechanics, Structures, Engineering Geology (EMESEG '08)", Heraklion, Greece, 2008, pg. 67-72, ISBN 978-960-6766-88-6;
- **DAN Sorin**, C. Bob, A. Gruin, "Analysis of Reinforced Concrete Existing Structures in Seismic Regions" – WSEAS International Conference "Engineering Mechanics, Structures, Engineering Geology (EMESEG '08)", Heraklion, Greece, 2008, pg. 96-103, ISBN 978-960-6766-88-6;
- **DAN Sorin**, C. Bob, L. Bob, A. Gruin, C. Badea, "Modern Solutions for Strengthening of Masonry Structures" – 11<sup>th</sup> WSEAS International Conference "Sustainability in Science Engineering (SSE '09)", Timisoara, Romania, 2009, pg.64-69, ISBN 978-960-474-080-2;
- C. Enuica, C. Bob, **DAN Sorin**, C. Badea, A. Gruin, "Solutions for Bond Improving of reinforced Columns Jacketing" – 11<sup>th</sup> WSEAS International Conference "Sustainability in Science Engineering (SSE '09)", Timisoara, Romania, 2009, pg. 58-63, ISBN 978-960-474-080-2;
- C. Bob, A. Leidal, L. Iures, I. Buchman, E. Jebelean, **DAN Sorin**, C. Badea, L. Bob, "Aspects Regarding the Use of Self-compacting Concretes" – 11<sup>th</sup> WSEAS International Conference "Sustainability in Science Engineering (SSE '09)", Timisoara, Romania, 2009, pg. 173-178, ISBN 978-960-474-080-2;
- **DAN Sorin**, "Energy Saving with Rehabilitation Solutions for Existing Structures" – WSEAS International Conference "Energy Planning, Energy Saving, Environmental Education (EPESE '10) Kantaoui, Sousse, Tunisia, 2010.

#### e) Articole publicate în reviste internaționale:

- C. Bob, I. Buchman, E. Jebelean, **DAN Sorin**, C. Badea, “High Performance Materials Derived from Industrial Waste Gypsum” – Tile and Brick International, Vol. 15, No. 6, Verlag Schmidt publication, Freiburg, 1999, 1 pg., ISSN 0938-9806;
- C. Bob, **DAN Sorin**, N. Balut, A. Gidea, “Rehabilitation of Banatul Museum, Timisoara, Romania” – SEI Structural Engineering International, Journal of IABSE International Association for Bridge and Structural Engineering, Zurich, Vol. 11, No. 4, 2001, pg. 231-233, ISBN 978-3-85748-124-6;
- **DAN Sorin**, “Rehabilitation of an Existing Reinforced Concrete Structures under Extreme Conditions in Romania” – Asian Center for Engineering Computations and Software ACECOMS Magazine, Bangkok, 2009, pg. 10-14.

#### f) Articole publicate în reviste naționale:

- C. Bob, **DAN Sorin**, “Improving Behaviour of Existing Structures at Seismic Actions” – Bulletin of Romanian General Association of Engineers, No. 4/2000, Bucharest, pg. 50-56 – in Romanian, ISSN 1224-7928;
- C. Bob, N. Balut, C. Suma, **DAN Sorin**, “Rehabilitation Solutions for Historic Buildings in Timisoara” – Journal of Romanian Association of Civil Engineers Structural Designers, No. 1/2000, Bucharest, 4 pg. – in Romanian;
- V. Stoian, T. Clipii, G. Ciuhandu, **DAN Sorin**, “Design of Reinforced Concrete Elements Using the Strut-and-Tie Method” – Scientific Bulletin of “Politehnica” University of Timisoara, Transactions of Civil Engineering, Vol. 39(53), 1994, 10 pg.;
- D. Dubinã, R. Zaharia, **DAN Sorin**, “The Influence of Node Semi-Rigidity on the Behaviour of Cold-Formed Plane Trusses” – Scientific Bulletin of “Politehnica” University of Timisoara, Transactions of Civil Engineering, Vol. 40(54), 1995, 12 pg.;
- V. Stoian, T. Clipii, **DAN Sorin**, L. Fekete, “Research Concerning the Strut-and-Tie Method” – Scientific Bulletin of “Politehnica” University of Timisoara, Transactions of Civil Engineering, Vol. 40(54), 1995, 14 pg.;
- C. Bob, **DAN Sorin**, “Some Considerations on the Behaviour of Existing Reinforced Concrete Structures at Seismic Actions” – Scientific Bulletin of “Politehnica” University of Timisoara, Transactions of Civil Engineering, Vol. 41(55), 1996, 10 pg.;
- C. Bob, I. Buchman, E. Jebelean, **DAN Sorin**, C. Badea, “Efficient Materials from Industrial Waste” – Scientific Bulletin of Technical University “Gh. Asachi” Iasi, Transactions of Civil Engineering and Architecture, Ed. Vol. XLVII (LI), 2001, pg. 159-164 – in Romanian;
- **DAN Sorin**, “Behaviour of Reinforced Concrete Structures Subjected to Seismic Impact” – Scientific Bulletin of “Politehnica” University of Timisoara, Transactions of Civil Engineering and Architecture, Ed. Vol. 47(61), 2002, pg. 42-53, ISSN 1224-6026;
- **DAN Sorin**, C. Bob, C. Badea, “Rehabilitation of Reinforced Concrete Framed Structures by Modern Techniques” – Scientific Bulletin of “Politehnica” University of Timisoara, Transactions of Civil Engineering and Architecture, Ed. Vol. 51(65), 2005, pg. 41-46, ISSN 1224-6026;
- **DAN Sorin**, “Rehabilitation of Reinforced Concrete Structures by Using Carbon Fibre Composites” – Journal of Science Policy, Bucharest, 2005, 7 pg. – in Romanian, ISSN 1582-1218;
- C. Bob, C. Badea, **DAN Sorin**, A. Leidal, “Self-compacting Concrete in Precast Elements Industry” – Scientific Bulletin of Technical University “Gh. Asachi” Iasi, Transactions of Civil Engineering and Architecture, Ed. Vol. LI (LV), 2005, pg. 71-76;

- **DAN Sorin**, C. Bob, C. Badea, "Assessment and Strengthening of Existing RC Framed Structures" – Scientific Bulletin of Technical University "Gh. Asachi" Iasi, Transactions of Civil Engineering and Architecture, Ed. Vol. LII (LVI), 2006, pg. 79-88;
- C. Bob, **DAN Sorin**, C. Badea, A. Gruin, L. Iures, "Rehabilitation of Existing Structures Subjected to Extreme Events" – Scientific Bulletin of Technical University "Gh. Asachi" Iasi, Transactions of Civil Engineering and Architecture, Ed. Vol. LIII (LVII), 2007, pg. 87-95;
- T. Iovan Steuerer, C. Badea, **DAN Sorin**, L. Iures, "The Obtaining Technology of Road Materials Prepared with Fly Ash" – Western University Timisoara, Transitions of Chemistry, Vol. 18(2) 1-8, 2009, 6 pg.

**g) Articole publicate la conferințe internaționale:**

- C. Bob, **DAN Sorin**, "Simplified Methods for Analysis of Reinforced Concrete Frames" – International Seminar on EUROCODE 2, Design of Concrete Structures, Timisoara, Romania, 1994, 7 pg.;
- V. Stoian, T. Clipii, G. Ciuhandu, **DAN Sorin**, "Computer Aided Design by Strut-and-Tie Models" – International Seminar on EUROCODE 2, Design of Concrete Structures, Timisoara, 1994, 6 pg.;
- I. Dimoiu, **DAN Sorin**, "On the Ductility of Two Welded Steel Beam Column Connections" – International Workshop and Seminar on steel Structures in Seismic Areas STESSA '94, Timisoara, Romania, 1994, pg. 10;
- D. Pintea, **DAN Sorin**, "Modelling and Calculation of Supporting Devices" – 3<sup>rd</sup> International Conference on Finite and Bond Elements ELFIN '95, Constanta, Romania, 1995, 5 pg.;
- D. Pintea, **DAN Sorin**, D. Florescu, M. Ivan, "Stress Analysis of a Spatial Lattice Girder's Node Using FEM Programs and Experimental Results" – 3<sup>rd</sup> International Conference on Finite and Bond Elements ELFIN '95, Constanta, Romania, 1995, 4 pg.;
- V. Stoian, T. Clipii, **DAN Sorin**, L. Fekete-Nagy, "Computer Aided Design of Reinforced Concrete Structures Using the Strut-and-Tie Models" – 3<sup>rd</sup> International Conference on Finite and Bond Elements ELFIN '95, Constanta, Romania, 1995, 8 pg.;
- D. Dubina, R. Zaharia, **DAN Sorin**, "The influence of node semi-rigidity on the behaviour of cold-formed steel members in plane trusses" – Structural Stability Research Council - SSRC Annual Technical Session, Kansas City, USA, 1995;
- C. Furdui, V. Stoian, D. Dubina, D. Pintea, **DAN Sorin**, "General Criteria Regarding Fire Protection of Structures" – International Symposium "The Fire Protection of Steel Structures", Bucharest, Romania, 1995, 21 pg.;
- C. Furdui, D. Pintea, V. Stoian, D. Dubina, **DAN Sorin**, "Program for Fire Resistance Design of Steel and Composite Elements Subjected to Fire" – International Conference on Fire Design of Structures, Pecs, Hungary, 1995, 4 pg.;
- V. Stoian, T. Clipii, **DAN Sorin**, L. Fekete-Nagy, "AutoCAD - Graphic Medium for Design of Concrete Structures" – International Workshop on CAD: Design Packages and Educational Tools, Timisoara, Romania, 1995, 5 pg.;
- D. Dubinã, R. Zaharia, **DAN Sorin**, "The Semi-Rigidity Character of the Thin-Walled Steel Trusses Bolted Connections" – European Workshop "Thin Walled Steel Structures", Krzywowa, Poland, 1996, 8 pg.;
- C. Bob, **DAN Sorin**, "New Ideas for Rehabilitation of Historical Buildings" – International Conference on Quality and Reliability in Building Industry, Levoca, Slovakia, 1999; 4 pg.;

- C. Bob, C. Furdui, I. Buchman, E. Jebelean, E. Ignaton, **DAN Sorin**, “Utilisation of Fly Ash for Obtaining Insulating Materials” – International Conference on Oxide Materials Science and Engineering, CONSILOX VIII, Alba Iulia, Romania, 2000, 6 pg.;
- C. Bob, **DAN Sorin**, “Analysis, Redesign and Rehabilitation of Reinforced Concrete Framed Structures in Seismic Regions” – **fib** Symposium “Concrete Structures in Seismic Regions”, Athens, 2003, 10 pg.;
- C. Bob, **DAN Sorin**, “Repair and Renewal of Existing Structures in Seismic Zones” – 16<sup>th</sup> IABSE Congress “Metropolitan Habitats and Infrastructure”, Shanghai, China, 2004;
- C. Bob, **DAN Sorin**, A. Gruin, Z. Dan, “Rehabilitation of Reinforced Concrete Structures in Seismic Zones By Using CFRP” – **fib** Symposium “Keep Concrete Attractive”, Budapest, 2005, 6 pg.;
- **DAN Sorin**, C. Bob, L. Iures, “Assessment and Redesign of RC Existing Structures in Seismic Regions” – 2<sup>nd</sup> International **fib** Congress, Naples, Italy, 2006;
- C. Bob, **DAN Sorin**, C. Badea, A. Gruin, “Life Assessment and Demolition of a RC Framed Structure” – 2<sup>nd</sup> International **fib** Congress, Naples, Italy, 2006;
- C. Bob, **DAN Sorin**, C. Badea, A. Gruin, “Refurbishment of Old Buildings by Classic and Modern Technologies” – 31<sup>st</sup> IABSE Symposium “Responding to Tomorrow’s Challenges in Structural Engineering”, Budapest, 2006;
- **DAN Sorin**, C. Bob, C. Badea, A. Gruin, “Strengthening of RC Framed Structures by Using CFRP” – International Symposium "Universitaria Simpro" 2006, Petrosani, Romania, 2006, 4 pg., ISSN 1842-4449;
- **DAN Sorin**, C. Bob, C. Badea, A. Gruin, “Classic and Modern Technologies for Rehabilitation of Old Masonry Buildings” – International Symposium "Universitaria Simpro" 2006, Petrosani, Romania, 2006, 4 pg., ISSN 1842-4449;
- C. Bob, **DAN Sorin**, C. Badea, L. Iures, A. Gruin, “Life Assessment and Structural Rehabilitation for Extreme Actions” – **fib** Symposium “Concrete Structures – Stimulators of Development”, Dubrovnik, 2007;
- **DAN Sorin**, C. Bob, C. Enuica, L. Bob, C. Badea, A. Gruin, “Modern Solutions for Strengthening of Structural Elements” – 17<sup>th</sup> IABSE Congress “Creating and Renewing Urban Structures”, Chicago, 2008;
- C. Badea, C. Bob, I. Balcu, **DAN Sorin**, I. Buchman, A. Gruin, “The Carbonatation Process Influence on Concrete Durability” – Recent advanced in Materials Science, 1<sup>st</sup> WSEAS International Conference on Materials Science (MATERIALS '08,) Bucharest, Romania, 2008, 5 pg. ISBN 978-960-474-024-6;
- C. Badea, C. Bob, I. Balcu, **DAN Sorin**, I. Buchman, “Experimental Researches on Efficient Building Materials Made with Ultra Fine Fly Ash” – Recent advanced in Materials Science, 1<sup>st</sup> WSEAS International Conference on Materials Science (MATERIALS '08,) Bucharest, Romania, 2008, 4 pg., ISBN 978-960-474-024-6;
- C. Badea, C. Bob, I. Buchman, I. Balcu, **DAN Sorin**, “Building Materials With Dense Slurry From Power Plant” – "Universitaria Simpro 2008" Integration Into The European Research Area, Petrosani, Romania, 2008, 4 pg., ISBN 1842-444;
- **DAN Sorin**, C. Enuica, C. Badea, C. Bob, “Modern Solutions for Rehabilitation of Old Reinforced Concrete Structures”, – 33<sup>rd</sup> IABSE Symposium “Sustainable Infrastructure, Environment Friendly, Safe and Resource Efficient”, Bangkok, 2009, ISBN 978-385-748-121-5;
- C. Bob, **DAN Sorin**, C. Badea, A. Gruin, D. Pavlou, “Retrofitting of Historical Masonry Buildings in Seismic Zones” – 33<sup>rd</sup> IABSE Symposium “Sustainable Infrastructure, Environment Friendly, Safe and Resource Efficient”, Bangkok, 2009, ISBN 978-385-748-121-5;
- **DAN Sorin**, C. Enuica, C. Badea, C. Bob, “Impact of New Design Codes on Assessment and Redesign of Reinforced Concrete Existing Structures in Seismic Regions”, 34<sup>th</sup>

International Symposium of IABSE “Large Structures and Infrastructures for Environmentally Constrained and Urbanised Areas”, Venice, 2010, ISBN 978-385-748-122-2;

- C. Bob, **DAN Sorin**, C. Badea, A. Gruin, S. Marginean, T. Dencsak, “Assessment and Strengthening of a Composite Structure”, 34<sup>th</sup> International Symposium of IABSE “Large Structures and Infrastructures for Environmentally Constrained and Urbanised Areas”, Venice, 2010, ISBN 978-385-748-122-2.
- **DAN Sorin**, C. Bob, “Assessment and Redesign of Reinforced Concrete Existing Structures in Seismic Regions” – International Conference “High Rise Towers and Tall Buildings HTTB 2010”, Munich, 2010.

#### **h) Articole publicate la coferințe naționale:**

- O. Mirsu, A. Florea, **DAN Sorin**, “The Effect of Seismic Action on Triangular Platforms of Chimneys” – XV Conference for Concrete, Timisoara, Romania, 1991, 10 pg.;
- I. Cadar, C. Suma, C. Bob, I. Patcas, D. Popescu, **DAN Sorin**, “Using of Steel Fibres for Concrete” – XV Conference for Concrete, Timisoara, Romania, 1991, 6 pg.;
- C. Bob, O. Mirsu, **DAN Sorin**, “General Aspects Regarding Accidental Actions and Structural Response” – XV Conference for Concrete, Timisoara, Romania, 1991, 10 pg.;
- V. Stoian, T. Clpii, G. Ciuhandu, **DAN Sorin**, “Seismic Detailing of Reinforced Concrete Elements by Using the Strut-and-Tie Method” – XVI Conference for Concrete, Brasov, Romania, 1994, 6 pg.;
- C. Bob, **DAN Sorin**, “The Effect of Strengthening on State of Efforts in Reinforced Concrete Structures” – XVI Conference for Concrete, Brasov, Romania, 1994, 6 pg.;
- R. Mirean, L. Fekete, **DAN Sorin**, “Theoretical and Experimental Studies of Deep Beams” – Timisoara Academic Days, Timisoara, Romania, 1995, 12 pg.;
- C. Bob, I. Buchman, E. Jebelean, **DAN Sorin**, C. Badea, “Using of Recycling Waste for Producing Construction Materials with High Performances” – Timisoara Academic Days “Composite Materials and Elements for Constructions”, Timisoara, Romania, Ed. Mirton, 1999, 4 pg. ISBN 973-578-885-3;
- C. Bob, N. Balut, C. Suma, **DAN Sorin**, “Aspects Regarding the Rehabilitation of High Importance Buildings” – Timisoara Academic Days “Composite Materials and Elements for Constructions”, Timisoara, Romania, Ed. Mirton, 1999, 4 pg. ISBN 973-578-885-3;
- **DAN Sorin**, C. Bob, “Procedures for Redesign of Existing Reinforced Concrete Structures” – Conference “Modern Technologies in Constructions”, Chisinau, Moldavia, 2000, 4 pg.;
- C. Bob, **DAN Sorin**, L. Iures, “Studies on Efficient Strengthening Solutions for Existing Buildings” – Conference “Modern Technologies in Constructions”, Chisinau, Moldavia, 2000, 4 pg.;
- C. Bob, I. Buchman, E. Jebelean, **DAN Sorin**, C. Badea, “Efficient Materials for Soil Stabilization” Conference “Modern Technologies in Constructions”, Chisinau, Moldavia, 2000, 4 pg.;
- C. Bob, I. Buchman, E. Jebelean, **DAN Sorin**, C. Badea, “Using of Recycling Waste in Construction” – National Symposium of Testing Laboratories in Construction SELC, Cluj-Napoca, Romania, 2000, 5 pg.;
- **DAN Sorin**, L. Fekete, “Automatic Procedures for testing of Materials and Structural Elements” – Timisoara Academic Days “Composite Materials, Elements and Structures for Constructions”, Timisoara, Romania, Ed. Mirton, 2001, 10 pg., ISBN 973-585-407-4;
- **DAN Sorin**, C. Bob, “Advantages and Disadvantages of Partial Precast Reinforced Concrete Structures” – Timisoara Academic Days “Composite Materials, Elements and

- Structures for Constructions”, Timisoara, Romania, Ed. Mirton, 2003, 6 pg., ISBN 973-661-012-8;
- **DAN Sorin**, C. Bob, “Rational Redesign for Repairing or Strengthening of Reinforced Concrete Structures” – Timisoara Academic Days “Composite Materials, Elements and Structures for Constructions”, Timisoara, Romania, Ed. Mirton, 2003, 6 pg., ISBN 973-661-012-8;
  - **DAN Sorin**, C. Bob, C. Badea, A. Gruin, “RC Framed Structures Strengthened by CFRP” – Timisoara Academic Days “Composite Materials, Elements and Structures for Constructions”, Timisoara, Romania, Ed. Mirton, 2005, 8 pg., ISBN 973-661-012-8;
  - **DAN Sorin**, C. Bob, C. Badea, L. Iures, A. Gruin, “Strengthening Solutions for the Palace Building in Timisoara” – Timisoara Academic Days “Composite Materials, Elements and Structures for Constructions”, Timisoara, Romania, Ed. Mirton, 2005, 6 pg., ISBN 973-661-012-8;
  - **DAN Sorin**, C. Bob, C. Badea, A. Gruin, “Strengthening of Reinforced Concrete Framed Structures in Seismic Zones by Using CFRP” – National Symposium "Structural Rehabilitation Solutions and Systems Utilizing Fiber Reinforced Concrete Polymers", Ed. Academic Society "Matei-Teiu Botez", Iasi, Romania, 12 pg;
  - L. Iures, C. Badea, C. Bob, I. Buchman, E. Jebelean, **DAN Sorin**, “Test Regarding the Self-compacting Concrete” – Timisoara Academic Days “Composite Materials, Elements and Structures for Constructions”, Timisoara, Romania, Ed. Mirton, 2007, 10 pg., ISSN 1843-0910;
  - C. Enuica, C. Bob, **DAN Sorin**, C. Badea, L. Bob, “Behaviour of Reinforced Concrete Columns Strengthened by Jacketing” – Timisoara Academic Days “Composite Materials, Elements and Structures for Constructions”, Timisoara, Romania, Ed. Mirton, 2007, 6 pg., ISSN 1843-0910;
  - **DAN Sorin**, C. Bob, C. Badea, A. Gruin, “Efficient Techniques for Strengthening of Masonry Structures” – Timisoara Academic Days “Composite Materials, Elements and Structures for Constructions”, Timisoara, Romania, Ed. Mirton, 2007, 8 pg., ISSN 1843-0910.

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