LISTA DE LUCRARI

CONFERENTIAR DR. CEZAR ONICIUC

1. CELE 10 LUCRARI

1) D. Fetcu, C. Oniciuc. Biharmonic integral $\mathcal{C}$-parallel submanifolds in 7-dimensional Sasakian space forms. *Tohoku Math. J.*, 64 (2012), no. 2, to appear. (ISI)

2) A. Balmuş, C. Oniciuc. Biharmonic submanifolds with parallel mean curvature vector field in spheres. *J. Math. Anal. Appl.* 386 (2012), no. 2, 619-630. (ISI)

3) A. Balmuş, S. Montaldo, C. Oniciuc. Biharmonic hypersurfaces in 4-dimensional space forms. *Math. Nachr.* 283 (2010), no. 12, 1696-1705. (ISI)

4) D. Fetcu, E. Loubeau, S. Montaldo, C. Oniciuc. Biharmonic submanifolds of $\mathbb{C}P^n$. *Math. Z.* 266 (2010), no. 3, 505-531. (ISI)

5) D. Fetcu, C. Oniciuc. Biharmonic hypersurfaces in Sasakian space forms. *Diff. Geom. Appl.* 27 (2009), 713–722. (ISI)

6) A. Balmuş, C. Oniciuc. Biharmonic surfaces of S^4. *Kyushu J. Math.* 63 (2009), 339–345. (ISI)

7) D. Fetcu, C. Oniciuc. Explicit formulas for biharmonic submanifolds in Sasakian space forms. *Pacific J. Math.* 240 (2009), 85–107. (ISI)

8) A. Balmuş, S. Montaldo, C. Oniciuc. Classification results for biharmonic submanifolds in spheres. *Israel J. Math.* 168 (2008), 201–220. (ISI)

9) E. Loubeau, C. Oniciuc. On the biharmonic and harmonic indices of the Hopf map. *Trans. Amer. Math. Soc.* 359 (2007), 5239–5256. (ISI)

10) A. Balmuş, S. Montaldo, C. Oniciuc. New results toward the classification of biharmonic submanifolds in $\mathbb{S}^n$. *An. Ştiinţ. Univ. ”Ovidius” Constanţa Ser. Mat.*, to appear. (ISI); Proceedings paper.

2. TEZA DE DOCTORAT

Studii de doctorat: Facultatea de Matematică, Universitatea ”Al.I. Cuza” din Iaşi
Data admiterii: Octombrie 1997
Data susţinerii tezei: 13 Aprilie 2002
Titlul obţinut: Doctor în domeniul Matematică
Titlul tezei:

Tangenţă şi proprietăţi de armonicitate

Îndrumător: Prof.dr. V. Oproiu, Universitatea ”Al.I. Cuza” din Iaşi, România.
Teza a a primit distincţia *Cum Laudae* a Ministerului Educaţiei din România, şi a fost publicată, în română, la *Geometry Balkan Press*, 2003,
http://www.mathem.pub.ro/dgds/mono/dgdsmono.htm

3. Carti

1) C. Oniciuc. O introducere in teoria aplicatiilor armonice. *Casa Editoriala DEMIURG, Iasi*, 2007 (ISBN 978-973-7603-81-4)

4. Articole publicate in reviste în reviste cu referenţi

1) A. Balmuş, C. Oniciuc. Biharmonic submanifolds with parallel mean curvature vector field in spheres. *J. Math. Anal. Appl.* 386 (2012), no. 2, 619-630. (ISI)

2) D. Fetcu, C. Oniciuc. A note on integral C-parallel submanifolds in $\mathbb{S}^7(c)$. *Rev. Un. Mat. Argentina* 52 (2011), no. 1, 33-45. (ISI)

3) A. Balmuş, S. Montaldo, C. Oniciuc. Biharmonic hypersurfaces in 4-dimensional space forms. *Math. Nachr.* 283 (2010), no. 12, 1696-1705. (ISI)

4) D. Fetcu, E. Loubeau, S. Montaldo, C. Oniciuc. Biharmonic submanifolds of $\mathbb{C}P^n$. *Math. Z.* 266 (2010), no. 3, 505-531. (ISI)

5) A. Balmuş, S. Montaldo, C. Oniciuc. Submanifolds with biharmonic Gauss map. *Internat. J. Math.* 21 (2010), no. 12, 1585–1603. (ISI)

6) A. Balmuş, S. Montaldo, C. Oniciuc. Properties of biharmonic submanifolds in spheres. *J. Geom. Symmetry Phys.* 17 (2010), 87–102.

7) A. Balmuş, D. Fetcu, C. Oniciuc. Harmonic and biharmonic maps at Iaşi. *An. Ştiinţ. Univ. Al. I. Cuza Iaşi. Mat. (N.S.)* 56 (2010), 81–96.

8) D. Fetcu, C. Oniciuc. Biharmonic hypersurfaces in Sasakian space forms. *Diff. Geom. Appl.* 27 (2009), 713–722. (ISI)

9) A. Balmuş, C. Oniciuc. Biharmonic surfaces of S^4. *Kyushu J. Math.* 63 (2009), 339–345. (ISI)

10) D. Fetcu, C. Oniciuc. Explicit formulas for biharmonic submanifolds in Sasakian space forms. *Pacific J. Math.* 240 (2009), 85–107. (ISI)

11) A. Balmuş, S. Montaldo, C. Oniciuc. Classification results and new examples of proper biharmonic submanifolds in spheres. *Note di Matematica* 28 (2008), suppl. n. 1, 49–61.

12) E. Loubeau, S. Montaldo, C. Oniciuc. The stress-energy tensor for biharmonic maps. *Math. Z.* 259 (2008), 503–524. (ISI)

13) A. Balmuş, S. Montaldo, C. Oniciuc. Classification results for biharmonic submanifolds in spheres. *Israel J. Math.* 168 (2008), 201–220. (ISI)

14) D. Fetcu, C. Oniciuc. Explicit formulas for biharmonic submanifolds in non-Euclidean 3-spheres. *Abh. Math. Sem. Univ. Hamburg* 77 (2007), 179–190. (ISI)

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16) A. Balmuş, S. Montaldo, C. Oniciuc. Biharmonic maps between warped product manifolds. *J. Geom. Phys.* 57 (2007), 449–466. (ISI)

17) R. Caddeo, S. Montaldo, C. Oniciuc, P. Piu. The Euler-Lagrange method for biharmonic curves. *Mediterr. J. Math.* 3 (2006), 449–465. (ISI)

18) S. Montaldo, C. Oniciuc. A short survey on biharmonic maps between Riemannian manifolds. *Rev. Un. Mat. Argentina* 47 (2006), no. 2, 1–22.

19) A. Balmuş, C. Oniciuc. Some remarks on the biharmonic submanifolds of $\mathbb{S}^3$ and their stability. *An. Stiint. Univ. Al.I. Cuza Iasi. Mat. (N.S.)* 51 (2005), f.1, 171–190.

20) E. Loubeau, C. Oniciuc. The index of biharmonic maps in spheres. *Compos. Math.* 141 (2005), 729–745. (ISI)

21) A. Balmuş, C. Oniciuc, N. Papaghiuc. Harmonic properties on the tangent bundle. *An. Univ. Vest Timisoara, Ser. Mat.-Inform.* 42 (2004), 17–28.

22) R. Caddeo, C. Oniciuc, P. Piu. Explicit formulas for non-geodesic biharmonic curves of the Heisenberg group. *Rend. Sem. Mat. Univ. Politec. Torino* Vol. 62 no. 3 (2004), 265–278.

23) C. Oniciuc. New examples of biharmonic maps in spheres. *Colloq. Math.* 97 (2003), no. 1, 131–139.

24) C. Oniciuc. Biharmonic maps between Riemannian manifolds. *An. Stiint. Univ. Al.I. Cuza Iasi. Mat. (N.S.)* 48 (2002), no. 2, 237–248.

25) C. Oniciuc. On the second variation formula for biharmonic maps to a sphere. *Publ. Math. Debrecen* 61 (2002), no. 3-4, 613–622. (ISI)

26) R. Caddeo, S. Montaldo, C. Oniciuc. Biharmonic submanifolds in spheres. *Israel J. Math.* 130 (2002), 109–123. (ISI)

27) R. Caddeo, S. Montaldo, C. Oniciuc. Biharmonic submanifolds of $\mathbb{S}^3$. *Internat. J. Math.* 12 (2001), no. 8, 867–876. (ISI)

28) C. Oniciuc. Harmonic sections in the unitary tangent bundle. *Demonstratio Math.* 34 (2001), no. 3, 681–692.

29) C. Oniciuc. Pseudo-Riemannian metrics on tangent bundle and harmonic problems. *Bull. Belg. Math. Soc. Simon Stevin* 7 (2000), no. 3, 443–454. (ISI)

30) C. Oniciuc. Nonlinear connections on tangent bundle and harmonicity. *Ital. J. Pure Appl. Math.* No. 6 (1999), 109–122.

31) C. Oniciuc. On the harmonic sections of tangent bundles. *An. Univ. Bucuresti Mat.* 47 (1998), no. 1, 67–72.

32) C. Oniciuc. The tangent bundles and harmonicity. *An. Stiint. Univ. Al.I. Cuza Iasi. Mat. (N.S.)* 43 (1997), no. 1, 151–172.

Lucrarea 26) a primit calificativul "eccellente" (cel mai inalt) din partea CIVR (Comitato Nazionale di Indirizzo per la Valutazione della Ricerca).

5. Articole acceptate spre publicare

1) D. Fetcu, C. Oniciuc. Biharmonic integral $\mathcal{C}$-parallel submanifolds in 7-dimensional Sasakian space forms. *Tohoku Mathematical Journal*, to appear. (ISI)

2) D. Fetcu, C. Oniciuc, H. Rosenberg. Biharmonic submanifolds with parallel mean curvature in $\mathbb{S}^n \times \mathbb{R}$. *Journal of Geometric Analysis*, to appear. (ISI)

3) A. Balmuş, S. Montaldo, C. Oniciuc. New results toward the classification of biharmonic submanifolds in $\mathbb{S}^n$. *An. Ştiinţ. Univ. "Ovidius" Constanţa Ser. Mat.*, to appear. (ISI); Proceedings paper

6. Articole publicate in Proceedings-uri

1) P. Baird, E. Loubeau, C. Oniciuc. Harmonic and biharmonic maps from surfaces. *Harmonic maps and differential geometry, Contemp. Math., 542, Amer. Math. Soc., Providence, RI*, 2011, 223-230.

2) A. Balmuş, D. Fetcu, C. Oniciuc. Stability properties for biharmonic maps. *GeometryExploratory Workshop on Differential Geometry and its Applications, 119, Cluj Univ. Press, Cluj-Napoca*, 2011.

3) D. Fetcu, C. Oniciuc. On the geometry of biharmonic submanifolds in Sasakian space forms. *Proceedings of the Tenth International Conference on Geometry, Integrability and Quantization, June 6-11, 2008, Varna*, 171–182.

4) D. Fetcu, C. Oniciuc. Biharmonic submanifolds in Sasakian space forms. *Symposium on the Differential Geometry of Submanifolds, [s.n.], [s.l.], July 3-7, 2007, Valenciennes, France*, 85–88.

5) A. Balmuş, S. Montaldo, C. Oniciuc. Biharmonic submanifolds in space forms. *Symposium on the Differential Geometry of Submanifolds, [s.n.], [s.l.], July 3-7, 2007, Valenciennes, France*, 25–32.

6) R. Caddeo, E. Loubeau, S. Montaldo, C. Oniciuc, P. Piu. Biharmonic maps between Riemannian manifolds. *ICM 2006, Madrid, Abstracts, Posters, Short Communications, Mathematical Software, Other Activities*, 41–42.

7) E. Loubeau, S. Montaldo, C. Oniciuc. The biharmonic stress-energy tensor and the Gauss map. *Proceedings of the Eighth International Conference on Geometry, Integrability and Quantization, June 9-14, 2006, Varna*, 234–245.

8) R. Caddeo, S. Montaldo, C. Oniciuc, P. Piu. The classification of biharmonic curves of Cartan-Vranceanu 3-dimensional spaces. *Modern trends in geometry and topology, Cluj Univ. Press, Cluj-Napoca, 2006*, 121–131.

9) E. Loubeau, C. Oniciuc. The biharmonic index of the Hopf map. *Tensor (N.S.)* 66 (2005), 1–8 (Proceedings of "The VIIth International Conference of the Tensor Society",Timisoara, 2004).

10) C. Oniciuc. Biharmonic maps in spheres and conformal changes. *Recent advances in geometry and topology, Cluj Univ. Press, Cluj-Napoca, 2004*, 279–282.

11) R. Caddeo, S. Montaldo, C. Oniciuc. Biharmonic immersions into spheres. *Differential Geometry, Valencia, 2001, World Sci. Publishing, River Edge, NJ, 2002*, 97–105.

12) C. Oniciuc. The nonlinear connections and harmonicity. *Proceedings of the Third International Workshop on Differential Geometry and its Applications and the First German-Romanian Seminar on Geometry (Sibiu, 1997). Gen. Math. 5 (1997)*, 287–296.

Posterul 6) a primit Premiul al II-lea la Competitia de Postere, sectiunea Geometrie.