

CURRICULUM VITAE ET STUDIORUM

1. PERSONAL DATA

Full name: Simona-Elena NISTOR (married BARNA)

Date and place of birth: May 6, 1991, Buhusi, Bacau, Romania.

Citizenship: Romanian

Permanent Institution and Mailing address:

Faculty of Mathematics, “Al.I. Cuza” University of Iasi, Bd. Carol I, no. 11,
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2. EDUCATIONAL BACKGROUND

1. Doctoral Degree: Faculty of Mathematics, “Al.I. Cuza” University of Iasi

Date of Admission: October 2014

Thesis title:

“Biharmonic problems and applications in the submanifolds theory”

Supervisor: Prof. dr. C. Oniciuc, “Al.I. Cuza” University of Iasi, Romania.

Doctoral scientific reports:

- September 29, 2015 – “Harmonic maps and some chapters of Riemannian geometry”;
- April 15, 2016 – “Biharmonic and biconservative submanifolds”;
- October 19, 2016 – “Biharmonic maps; stability problems”.

Exams:

- February 27, 2015 – “Chapters of Riemannian Geometry”;
- July 15, 2015 – “Complex manifolds and harmonic maps”.

2. Master Degree: Faculty of Mathematics, “Al.I. Cuza” University of Iasi

Date of Admission: October 2012

Date of Completion: July 2014

Type of Diploma Awarded: MSc.

Thesis title: “Suprafete Willmore” (Willmore surfaces)

Supervisor: Prof. dr. C. Oniciuc

Final grade: 10 (on scale 1(lowest) to 10 (highest))

Overall average grade: 9.80

3. Bachelor’s Degree: Faculty of Mathematics, “Al.I. Cuza” University of Iasi

Date of Admission: October 2009

Date of Completion: July 2012

Type of Diploma Awarded: BSc.

Thesis title: “Puncte de extrem pentru functii si functionale” (Extreme values of functions and functionals)

Supervisor: Prof. dr. L. Florescu

Final grade: 10 (on scale 1(lowest) to 10 (highest))

Overall average grade: 9.94

3. INTERNATIONAL FELLOWSHIPS AWARDED

1) July 27–August 28, 2015, Perugia, Italy, Summer School in Mathematics; fellowship conferred by Scuola Matematica Interuniversitaria. I attended and completed the following courses:

- “*Geometria Differenziale*” (Adriano Tomassini), final grade: A,
- “*Teoria dei Giochi*” (Roberto Lucchetti), final grade: A.

4. ERASMUS PROGRAMME

1) September 30, 2013–February 26, 2014, University of Cagliari, Italy; LLP-Erasmus Programme. I attended and completed with the highest mark all of the five courses.

5. ROMANIAN RESEARCH GRANTS AS MEMBER

1) *Constant mean curvature and biharmonic submanifolds*; Grant: PN-II-RU-TE-2014-4-0004; 2015, 2016; Director: Associate Prof. Dorel Fetcu.

2) *Variational methods with applications to generalized vector optimization problems*; Grant: PN-II-RU-TE-2014-4-0019; 2015, 2016; Director: Prof. Marius Durea.

3) *Towards a New Generation of Elite Researchers through Doctoral Scholarships*; Grant: POSDRU/187/1.5/S/155397, July 1–December 31, 2015; Director: Associate Prof. Liviu-George Maha.

4) *Biharmonic maps and submanifolds in certain geometric contexts*; Grant: PN-II-RU-TE-2011-3-0108; 2013, 2014; Director: Prof. Cezar Oniciuc.

6. AWARDS

1) 2011: Silver medal at The Third Team Internet Mathematical Olympiad, organized by Ariel University Center, Israel.

7. RESEARCH INTERESTS

- Biharmonic Maps
- Harmonic Maps
- Riemannian Geometry
- Differential Geometry

8. PAPERS PUBLISHED IN REFEREED JOURNALS

1) S. Nistor. Complete biconservative surfaces in \mathbb{R}^3 and \mathbb{S}^3 . *Journal of Geometry and Physics* 110 (2016), 130–153. (ISI)

9. ACCEPTED PAPERS

1) D. Fetcu, S. Nistor, C. Oniciuc. On biconservative surfaces in 3-dimensional space forms. *Communications in Analysis and Geometry*, to appear. (ISI)

10. WORK IN PROGRESS

- 1) S. Nistor-Barna, C. Oniciuc. Global properties of biconservative surfaces in \mathbb{R}^3 and \mathbb{S}^3 . Submitted
- 2) S. Nistor-Barna. On biconservative surfaces.

11. TALKS

- 1) November 28, 2016, Iasi, Romania; “Zilele Universitatii “Alexandru Ioan Cuza” din Iasi”; Title of the talk: “Proprietăți globale ale suprafețelor biconservative” (“Global properties of biconservative surfaces”).
- 2) December 16, 2015, Iasi, Romania; “International PhD Conference from “Alexandru Ioan Cuza” University of Iasi”; Title of the talk: “Biconservative surfaces in space forms”.
- 3) November 6-8, 2015, Iasi, Romania; “International Conference on Applied and Pure Mathematics (ICAMP 2015)”; Title of the talk: “Properties of biconservative surfaces”.
- 4) September 23–26, 2015, Ploiesti, Romania; “The 12-th International Workshop on Differential Geometry and its Applications”; Title of the talk: “Some properties of biconservative surfaces”.

12. POSTERS

- 1) July 11-15, 2016, Brno, Czech Republic; “Differential Geometry and its Applications”; Title of the talk: “Global Properties of Biconservative Surfaces”.

13. CONFERENCES ATTENDED

- 1) June 26–July 1, 2015, Iasi, Romania; “The Eighth Congress of Romanian Mathematicians”.
- 2) September 8–12, 2015, Bucharest, Romania; “Real and Complex Differential Geometry”.

14. FOREIGN LANGUAGES

English and French