

CURRICULUM VITAE

Personal Information

Surname: Niculescu

Forename: Ana

Birthday: September 13th, 1975

Birthplace: Campina, County of Prahova, Romania

Marital status: Single

Foreign Languages

English (good), French (good), German (limited), Greek (beginner), Romanian (of course)

Education

1982-1990: "I. Campineanu" School, Campina

1990-1994: Mathematics-Physics at "N. Grigorescu" High School, Campina

1994-1998: Mathematics-Mechanics at Faculty of Mathematics, University of Bucharest

1998-2000: Master in Mathematics-Mechanics at Faculty of Mathematics, University of Bucharest

My general mark including my marks for each of the four years is 8.62. My marks at the graduating examination were : Real Analysis 9.12, Introduction to the Mechanics of the Continuous Deformable Media 8.00, Rheology and Thermodynamics 9.00 and 10 for the Bachelor Thesis.

My general mark including my marks for each of the two years of the MSc studies is 9.65 and my mark for the MSc (Dissertation) Thesis is 10.

Work Experience

- The Bachelor Thesis: "Thermodynamics of Fluids of Complexity 2 and Fluids of Second Grade" supervised by Prof. Dr. Sanda Tigoiu. I have studied the Rivlin-Ericksen theory and its models which describe the non-newtonian behaviour of the fluids. My thesis deals with the special case of the fluids of complexity two and the second grade fluids and the restrictions placed on the constitutive relations by the Clausius-Duhem inequality and the principle of frame indifference.
- I have been accepted to the Mathematics Department of the University of Ioannina (Greece) as a Socrates Scholar, April 1st 1999-June 30th 1999. I have attended there two courses: "Thermodynamics and Heat Transfer" -I have got the mark 9 and "Fluid Mechanics"-I have got the mark 9, with excellent ten (10).
- The Dissertation Thesis: "On the Flow of a Second Order Fluid in an Orthogonal Rheometer" supervised by Lect. Dr. Victor Tigoiu. My thesis is about the flow of a special second order fluid (which well approximates the first normal stress difference for a solution of polyisobuthylene) in an orthogonal rheometer. I prove the existence and uniqueness of the classical solutions for the set of the approximate flow problems in an asymptotic development in respect to the Weissenberg number).

- I have taken part in the National Conference “Caius Iacob” of Fluid Mechanics and its Technical Applications at Iasi (the 21st-22nd of September 2000) where I have presented a paper with the same subject in collaboration with Lect. Dr. Victor Tigoiu.
- Last time I was collaborating with Dr. Cristian Dascalu, researcher in the Applied Mathematical Institute “Caius Iacob” working in the field of Piezoelectric and Thermoelastic Cracked Materials, within the framework of a bilateral project between our Institute and the University of Ioannina. I have studied some problems of Anisotropic Elasticity and Thermoelasticity and I obtained some results in the problem of the Thermal Stresses in an Anisotropic Plate Disturbed by a Conductive Elliptical Hole or Crack.

I mention that all the marks presented here are on a scale from 1.00 (one) to 10.00 (ten), minimum for the promoting an exam being 5(five). For passing the graduating examination the minimum average mark is 6(six).

Position

Assistant Researcher at the Applied Mathematical Institute “Caius Iacob” of the Romanian Academy from October 2000 to present.

Papers

Victor Tigoiu and Ana Niculescu, *On the Flow of a Second Order Fluid in an Orthogonal Rheometer*, Bul. Inst. Polit. Iasi, t. XLVI(L), Supliment 2000.

Contact Information

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