CURRICULUM VITAE

I. Personal data

- *Name:* Septimiu Crivei
- *Date and place of birth:* September 21, 1971, Cluj-Napoca, Romania
- *Address:* "Babeş–Bolyai" University, Faculty of Mathematics and Computer Science, Str. M. Kogălniceanu 1, 400084 Cluj-Napoca, Romania
- *E-mail:* crivei@math.ubbcluj.ro

II. Education

- 1996–2001 Ph.D.: "Babeş–Bolyai" University of Cluj-Napoca, Faculty of Mathematics and Computer Science

  Title of thesis: "Injective modules relative to torsion theories"; *Adviser*: Prof. Dr. Ioan Purdea
- 1990–1995 B.Sc.: "Babeş–Bolyai" University of Cluj-Napoca, Faculty of Mathematics and Computer Science, Mathematics specialization

  Title of diploma paper: "Projective modules and injective modules"; *Adviser*: Prof. Dr. Ioan Purdea

III. Academic degrees

- 2001 Ph.D.: "Babeş–Bolyai" University of Cluj-Napoca, Faculty of Mathematics and Computer Science
- 1995 B.Sc.: "Babeş–Bolyai" University of Cluj-Napoca, Faculty of Mathematics and Computer Science

IV. Positions

- October 2005 – present: associate professor

  "Babeş–Bolyai" University of Cluj-Napoca, Faculty of Mathematics and Computer Science, Chair of Algebra
- February 2002 – September 2005: assistant professor

  "Babeş–Bolyai" University of Cluj-Napoca, Faculty of Mathematics and Computer Science, Chair of Algebra
- February 1998 – February 2002: teaching assistant

  "Babeş–Bolyai" University of Cluj-Napoca, Faculty of Mathematics and Computer Science, Chair of Algebra
- October 1995 – February 1998: tutor

  "Babeş–Bolyai" University of Cluj-Napoca, Faculty of Mathematics and Computer Science, Chair of Algebra

V. Didactic activity

- Courses (in Romanian and/or English) on: Algebra, Basic Algebraic Structures, Linear Algebra, Computational Algebra, Algebraic Specification, Cryptography, Modular Arithmetic and Cryptography, Public Key Cryptography
- Seminars/Laboratories (in Romanian and/or English) on: Algebra, Basic Algebraic Structures, Linear Algebra, Mathematical Logic and Set Theory, Ring Theory and Field Theory, Computational Algebra, Algebraic Specification, Cryptography, Modular Arithmetic and Cryptography, Public Key Cryptography
- Development of new courses: Computational Algebra, Algebraic Specification, Modular Arithmetic and Cryptography, Public Key Cryptography

VI. Scientific activity

- *Fields of interest:* module categories, torsion theories, abelian categories, finitely accessible categories, exact categories, comodule categories
- *Publications:* 7 books/proceedings, 47 articles (20 articles in ISI indexed journals)

VII. Research projects

Coordinator of 3 national research projects financed by the Romanian Ministry of Education and Research (CNCSIS, CEEX, UEFISCDI):

- *Special classes of modules and implementations in the GAP system*, January–December 2006. Value: 20000 lei.
- *Generalizations of injectivity and approximations in abelian categories*, April 2006–March 2008. Value: 144000 lei.
- *Locally finitely presented categories, submodule categories, and applications*, January 2009–December 2011. Value: 575000 lei.

Participation in the following research projects financed by the Romanian Ministry of Education and Research (CNCSIS, CEEX, UEFISCDI):

- *Varieties of universal algebras*, January 1995–December 1998, coordinator: Ioan Purdea
- *Equational classes of universal algebras*, January 2000–December 2002, coordinator: Ioan Purdea
- *Representations of algebras and equivalences of categories*, January–December 2001, coordinator: Andrei Marcus
- *Algebras, modules, representations: applications to coding theory and cognitive systems*, January 2004–December 2006, coordinator: Andrei Marcus
- *Equivalences of categories and applications*, January–December 2004, coordinator: Simion Breaz
- *Equivalences of categories and applications to the theory of formal languages and cognitive systems*, January–December 2005, coordinator: Simion Breaz
- *Equivalences and dualities between module categories, applications and generalizations*, October 2005–September 2007, coordinator: Simion Breaz
- *Functors on module categories*, October 2011–September 2014, coordinator: Simion Breaz
  Participation in the following international research projects:
- CEEPUS project RO-147, October 2004–September 2005, coordinator: Andrei Marcus
- Flemish-Romanian bilateral project *New techniques in Hopf algebras and graded ring theory*, January 2005–December 2006, coordinator: Stefaan Caenepeel

VIII. Fellowships

- fellowship of the London Mathematical Society, August 2002; University of Manchester, U.K.
- fellowship of the Spanish Ministry of Foreign Affairs, February–June 2003; University of Murcia, Spain
- fellowship of the Spanish Ministry of Education, December 2006–November 2007; University of Almería, Spain

IX. Awards

- Merit Diploma of the "Babeş-Bolyai" University of Cluj-Napoca in 2004
- the award *Debut in Sciences* of the journal *Cuvântul* in 2004 for the monograph *Injective modules relative to torsion theories*, EFES Publishing House, Cluj-Napoca, 2004
- the award of the "Babeş-Bolyai" University of Cluj-Napoca in 2004 for the monograph *Injective modules relative to torsion theories*, EFES Publishing House, Cluj-Napoca, 2004
- the award *Comenius* of the "Babeş-Bolyai" University of Cluj-Napoca in 2010

X. Talks

- Talks given at conferences: Cluj-Napoca (1998, 2008, 2009), Visegrad (1999), Granada (2000 - poster, 2006, 2008), Constanţa (2000), Antalya (2001), Băile Felix-Oradea (2001), Budapest (2001), Hattingen-Essen (2001), Venice (2002), Lisbon (2003, 2008), Stockholm (2004- poster), Prague (2005, 2009, 2011), Madrid (2006 - poster), Almería (2007), Athens-Ohio (2008), Baia Mare (2008 - poster), Braşov (2011)
- Talks given at international research seminars: Manchester (2002), Almería (2003, 2004, 2005), Murcia (2003, 2004), Prague (2005), Brussels (2005, 2009), Varese (2006), Granada (2007), Padua (2010, 2011), Gebze (2010), Budapest (2011)

XI. Editorial and organizing activity

• scientific secretary of *Mathematica* (since 2001), journal of the Romanian Academy

• co-editor (with Andrei Marcus) of the *Proceedings of the Algebra Symposium* (Cluj-Napoca, Romania, November 23–24, 2001), EFES Publishing House, Cluj-Napoca, 2002

• co-editor (with Simion Breaz and Andrei Marcus) of the *Proceedings of the International Conference on Modules and Representation Theory* (Cluj-Napoca, July 7–12, 2008), Cluj University Press, Cluj-Napoca, 2009

• member of the organizing committee of the international conference *2nd Annual Conference of the Romanian Mathematical Society*, Cluj-Napoca, Romania, May 27–31, 1998

• member of the organizing committee of the national conference *Algebra Symposium*, Cluj-Napoca, Romania, November 23–24, 2001

• member of the organizing committee of the international conference *Algebra Symposium*, Cluj-Napoca, Romania, May 17–18, 2005

• member of the organizing committee of the international conference *Modules and Representation Theory*, Cluj-Napoca, Romania, July 7–12, 2008

• member of the organizing committee of the national conference *Algebra Symposium*, Cluj-Napoca, Romania, May 15–16, 2009

XII. Other activities

• reviewer for *Mathematical Reviews* (since 2002), *Zentralblatt für Mathematik* (since 2003)

• referee for CNCSIS (Romanian National Council of Academic Scientific Research) (since 2005)

• referee for the European mention for the Ph.D. thesis: A.I. Cárceles, *Finitely accessible categories and exactly definable categories: embeddings, duality and symmetry* (Spanish), University of Murcia, Spain, 2008.

• referee of 16 papers for ISI journals: *Algebra Colloquium, Publicationes Matematicae Debrecen, Arabian Journal for Science and Engineering, Turkish Journal of Mathematics, Analele Ştiinţifice ale Universităţii Ovidius Constanţa - Matematica, Periodica Mathematica Hungarica, Communications in Algebra, Carpathian Journal of Mathematics, Analele Ştiinţifice ale Universităţii Al. I. Cuza din Iaşi - Serie Nouă - Matematica, Bulletin of the Malaysian Mathematical Sciences Society, Fundamenta Mathematicae, Hacettepe Journal of Mathematics and Statistics, Mathematical Communications, Journal of Algebra and Its Applications*

• referee of 16 papers for other journals/proceedings

XIII. Membership

• member of the *Romanian Mathematical Society* (since 1995)

• member of the *American Mathematical Society* (since 2004)

XIV. Foreign languages

• English (very good), Spanish, French (good).

Septimiu Crivei

Cluj-Napoca
July 12, 2012