

UNIVERSITATEA BABEȘ-BOYAI
CLUJ-NAPOCA
FACULTATEA DE MATEMATICĂ ȘI
INFORMATICĂ

NR. 1340 DATA 24.09.2012

Declarație de candidatură

Subsemnata, Brigitte E. Breckner, conferențiar universitar în cadrul Departamentului de Matematică al Facultății de Matematică și Informatică, prin prezenta îmi depun candidatura pentru poziția de membru în Senatul Universității Babeș-Bolyai, mandatul 2012-2016.

Cluj-Napoca, 24 septembrie 2012.

Semnătura

**Program managerial
pentru funcția de membru al Senatului
Universității Babeș-Bolyai din Cluj-Napoca
în perioada 2012-2016**

Conf. Univ. Dr. Brigitte E. Breckner

În cadrul acestui proiect managerial doresc să îmi asum o serie de **responsabilități** pentru a contribui la dezvoltarea universității și a facultății noastre. Doresc să mă implic **activ** în soluționarea diferitelor probleme care apar, în crearea **cadrului optim** de funcționare a universității, în **îmbunătățirea** calității vieții academice, în **creșterea performanței** atât didactice cât și de cercetare.

Obiectivul major al acestui proiect este promovarea Universității Babeș-Bolyai ca universitate de cercetare avansată, de îmbunătățire a modului de funcționare a universității, de modernizare a ei, în acord cu tendințele ce se manifestă pe plan mondial. Universitatea Babeș-Bolyai trebuie să devină nu doar cea dintâi universitate din România ci și să acceadă pe locuri cât mai vizibile în clasamentele internaționale.

Acestui obiectiv major se subsumează o serie de **obiective specifice**:

- Identificarea oportunităților de dezvoltare a universității dar și a facultății noastre;
- Promovarea intereselor universității și a facultății;
- Întărirea caracterului multicultural al universității, așa cum este el specificat în Legea Educației Naționale;
- Diversificarea ofertei educaționale, printr-o adaptare continuă la cerințele mediului economic;
- Creșterea vizibilității internaționale a Universității, inclusiv prin intermediul contactelor bilaterale cu alte universități de prestigiu din Europa;
- Dezvoltarea de programe de studiu internaționale la toate nivelele împreună cu alte universități din Europa;
- Folosirea optimă a resurselor financiare, atât pentru a asigura o bună funcționare a universității în ansamblul său, cât și pentru a stimula financiar performanța științifică dovedită;
- Promovarea intensivă a Universității astfel încât ea să devină prima alegere a absolvenților de liceu;
- Organizarea de manifestări internaționale care să conducă la o cunoaștere aprofundată nu doar a misiunii generale a universității dar și la îmbunătățirea contactelor personale care pot fi premisele unor dezvoltări ulterioare a diferitelor programe comune;
- Activitatea didactică trebuie să creeze competențele necesare, atât profesional cât și științific. Pentru aceasta este necesară o flexibilizare a planurilor de învățământ, o interconectare a lor cu cele existente în universitățile partenere. Se

impune un contact continuu cu mediul economic pentru a crea noi oferte de cursuri, de a îmbunătăți oferta actuală, precum și pentru a obține feedback-ul necesar cu privire la pregătirea absolvenților noștri;

- Comunicarea continuă cu studenții, văzuți ca parteneri ai actului educațional. Identificarea problemelor care apar, precum și preluarea continuă a propunerilor din partea studenților în vederea optimizării actului educațional dar și a activității universității. Modelul universitar trebuie să se desprindă de cel al unei *școli care pregătește absolvenți* și să devină tot mai mult, acolo unde nu s-a reușit încă aceasta, o comunitate academică, formată din cadre universitare, cercetători și studenți care cooperează într-un mediu propice, dedicat și fără influențe perturbatoare exterioare;
- Întărirea autonomiei universitare este esențială pentru buna dezvoltare a universității, acompaniată de o transparență cât mai mare atât a procesului decizional dar și a modului de alocare a resurselor, de o corectitudine exemplară la toate nivelele și pe toate planurile;
- Cercetarea științifică trebuie să fie susținută proactiv atât prin măsuri și reglementări adecvate, cât și prin dotări care să permită un cadru propice. Excelența în cercetare trebuie să fie recunoscută și apreciată public dar și recompensată în mod adecvat.

Cluj-Napoca, 24 septembrie 2012-09-24

Conf. Univ. Dr. Brigitte E. Breckner



Babes-Bolyai University Cluj-Napoca, Romania
Faculty of Mathematics and Computer Science
Department of Mathematics

PERSONAL INFORMATION

First name(s) / Surname(s)

Date of birth

Contact Address(es)

Telephone / Fax

E-mail

Brigitte-Erika, Breckner

1.05.1970

Str. M. Kogalniceanu nr. 1, 400084 Cluj-Napoca

+40264405327/+40264405300 (fax)

brigitte@math.ubbcluj.ro

CURRENT EMPLOYMENT / OCCUPATIONAL FIELD

Date

Employer

Occupation or position held

Main activities and responsibilities

PhD

Field

Teaching

Research interests

2011

Babes-Bolyai University, Faculty of Mathematics and Computer Science

Associate Professor

Teaching (both in German and Romanian) and Research Activities

Yes, 1998

Mathematics

See below

Applied Functional Analysis; Topological Algebra (Lie Theory, topological semigroups)

WORK EXPERIENCE

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

2008-present

Associate Professor

Courses and seminars: Mathematical Analysis 1, Mathematical Analysis 3, Optimization

Babes-Bolyai University, Str. M. Kogalniceanu nr. 1, 400084 Cluj-Napoca, Romania

Education and Research

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

2000-2007

Lecturer

Courses and seminars: Functional Analysis, Operations Research

Babes-Bolyai University, Str. M. Kogalniceanu nr. 1, 400084 Cluj-Napoca, Romania

Education and Research

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

1997-2000

Assistant

Seminars: Mathematical Analysis 1, Mathematical Analysis 2, Functional Analysis

Babes-Bolyai University, Str. M. Kogalniceanu nr. 1, 400084 Cluj-Napoca, Romania

Education and Research

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

1994-1997

Junior Assistant

Seminars: Mathematical Analysis 1, Mathematical Analysis 2, Functional Analysis

Babes-Bolyai University, Str. M. Kogalniceanu nr. 1, 400084 Cluj-Napoca, Romania

Education and Research

Personal skills and competences

Mother tongue(s)

German, Hungarian, Romanian

Other language(s)

Self-assessment

European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Excellent	C2	Excellent	C2	Excellent	C2	Excellent	C2	Excellent
A2	Basic User	B1	Independent User	A2	Basic User	A2	Basic User	A2	Basic User

(*) Common European Framework of Reference for Languages

Social skills and competences

Good adaptability to multicultural environments, good communication skills

Organisational skills and competences

Good organizer. Team spirit.

EDUCATION AND TRAINING

Period

August 1995- January 1998

Name and type of organization
providing education and training

Darmstadt University of Technology, Germany

Type of activity

PhD studies in Mathematics, more exactly in the field of topological algebra (Lie theory, topological semigroups); title of the thesis: *Compactifications of Subsemigroups of Lie Groups*

Title of qualification awarded

Dr. rer. nat.

Period

1989-1994

Name and type of organization
providing education and training

Babes-Bolyai University Cluj-Napoca, Faculty of Mathematics and Computer Science

Type of activity

Academic studies

Title of qualification awarded

B. Sc. and M. Sc. in Mathematics

TRAINING ABROAD

Period

March 2006

Name and type of organization
providing education and training

Central European University, Budapest, Hungary

Type of activity

Research within a Junior Visiting Research Fellowship (title of the project: *The study of non-local properties of subsemigroups of Lie groups*)

Period

October 2004

Name and type of organization
providing education and training

University of Natural Resources and Life Sciences, Vienna, Austria

Type of activity

Research within a CEEPUS network (RO-147)

Period

2000-2001

Name and type of organization
providing education and training

University of Natural Resources and Life Sciences, Vienna, Austria

Type of activity

Research within a DFG-grant (BR 1948/1-2 with title *Mathematik-Funktionalanalysis, Kompaktifizierungen von topologischen Halbgruppen*)

Period

1999-2000

Name and type of organization
providing education and training

Darmstadt University of Technology, Germany, and University of Natural Resources and Life Sciences, Vienna, Austria

Type of activity

Research within a DFG-grant (BR 1948/1-1 with title *Mathematik-Funktionalanalysis,*

Period	October 1994-July 1995
Name and type of organization providing education and training	Darmstadt University of Technology, Germany
Type of activity	Research and study within a DAAD scholarship

TEACHING ACTIVITIES

PROFESSIONAL EXPERIENCE

COURSE AND SEMINAR	SPECIALIZATION	YEAR
Mathematical Analysis 1 (in German and Romanian)	Mathematics, resp., Computer Science / Bachelor	I
Mathematical Analysis 3 (in German)	Mathematics / Bachelor	II
Optimization (in German)	Mathematics / Bachelor	III
Functional Analysis (in German)	Mathematics, resp., Physics / Bachelor	III
Operations Research (in German and Romanian)	Mathematics / Bachelor	IV

PUBLICATIONS BOOKS

- 1) **B.E. Breckner**, *Compactifications of Subsemigroups of Lie Groups*, Shaker Verlag, Aachen, 1998, ISBN 3-8265-3972-9, xii+143 pages.
- 2) **B.E. Breckner** și N. Popovici, *Convexity and Optimization. An Introduction*, Editura Fundației pentru Studii Europene, Cluj-Napoca, 2006, ISBN-10 973-7677-54-4, ISBN-13 978-973-7677-54-9, 202 pages.
- 3) **B.E. Breckner**, *De la poliedre la jocuri matriceale. O introducere în optimizarea liniară*, Editura Fundației pentru Studii Europene, Cluj-Napoca, 2007, ISBN 978-973-7677-63-1, 270 pages.

TEXTBOOKS

- 1) **B.E. Breckner** and N. Popovici, *Probleme de analiză convexă în R^n* , Casa Cărții de Știință, Cluj-Napoca 2003, ISBN 973-686-504-5, 140 pages.
- 2) **B.E. Breckner** and N. Popovici, *Probleme de cercetare operațională*, Editura Fundației pentru Studii Europene, Cluj-Napoca, 2006, ISBN 973-7677-12-9, 258 pages.

ARTICLES published in ISI journals

- 1) **B. E. Breckner**, *The Bohr-compactification of cones of affine topological semigroups*, Semigroup Forum **61** (2000), 414–428.
- 2) **B. E. Breckner**, *The Bohr-compactification of divisible subsemigroups of a cylinder*, Math. Proc. Camb. Phil. Soc. **130** (2001), 343–351.
- 3) **B. E. Breckner** and W.A.F. Ruppert, *On asymptotic behaviour and rectangular band structures in $Sl(2, R)$* , Journal of Lie Theory **11** (2001), 559–604.
- 4) **B. E. Breckner** and W.A.F. Ruppert, *Perfect semigroups and aliens*, Semigroup Forum **66** Nr. 2 (2003), 236–272.
- 5) **B. E. Breckner** and W.A.F. Ruppert, *A note about congruences on subsemigroups of topological groups*, Semigroup Forum **66** Nr. 3 (2003), 484–488.
- 6) **B. E. Breckner** and W.A.F. Ruppert, *On compactification lattices of subsemigroups of $Sl(2, R)$* , Journal of Lie Theory **14** Nr. 1 (2004), 73–109.
- 7) **B.E. Breckner** and Cs. Varga, *A multiplicity result for gradient-type systems with non-differentiable term*, Acta Mathematica Hungarica **118** (1-2) (2008), 85–104.
- 8) **B.E. Breckner** and W.A.F. Ruppert, *On Lie semigroup analogues of parabolic Lie groups*, Semigroup Forum **77** Nr. 1 (2008), 86–100.
- 9) **B.E. Breckner**, A. Horvath and Cs. Varga, *A multiplicity result for a special class of gradient-type systems with non-differentiable term*, Nonlinear Analysis **70** (2009), 606–620.
- 10) **B.E. Breckner**, D. Repovs and Cs. Varga, *On the existence of three solutions for the Dirichlet problem on the Sierpinski gasket*, Nonlinear Analysis **73** (2010), 2980–2990.
- 11) **B.E. Breckner** and Cs. Varga, *Infinitely many solutions for a class of systems of differential inclusions*, Proc. Edinburgh Math. Soc. **54** (2011), 9–23.

ARTICLES published in
international journals

- 12) B.E. Breckner, V. Radulescu and Cs. Varga, *Infinitely many solutions for the Dirichlet problem on the Sierpinski gasket*, Anal. Appl. (Singap.) 9 nr. 3 (2011), 235-248.
- 13) B.E. Breckner and Cs. Varga, *One-parameter Dirichlet problems on the Sierpinski gasket*, to appear in Appl. Math. Comput.
- 1) B. E. Breckner, *Inductively closed families in semigroups*, Studia Univ. Babeş-Bolyai (Ser. Mathematica) 41 Nr. 1 (1996), 3-14.
- 2) B. E. Breckner, *A fixed point theorem for vectorial multivalued set functions*, Annales Univ. Sci. Budapest 40 (1997), 5-30.
- 3) B. E. Breckner, *A note on the triviality of the Bohr-compactification of Lie groups*, Studia Univ. Babeş-Bolyai (Ser. Mathematica) 44 Nr. 2 (1999), 11-24.
- 4) B. E. Breckner, *A note on Lie semialgebras in $sl(2, R)$* , Math. Pannonica 13/2 (2002), 217-222.
- 5) B. E. Breckner, *A note on the divisibility of some compression semigroups in $Sl(2, R)$* , Studia Univ. Babeş-Bolyai (Ser. Mathematica), 48 Nr. 1 (2003), 19-23.
- 6) B. E. Breckner, *A note on Parabolic Subgroups*, Math. Pannonica 16/1 (2005), 105-117.
- 7) B. E. Breckner, *A note on Subsemigroups of $Sl(n, R)$* , Math. Pannonica 18/1 (2007), 63-76.

ARTICLES published in Romanian
journals

- 1) B. E. Breckner, *What we already know about compactifications of subsemigroups of Lie groups* in Annals of the Tiberiu Popoviciu Seminar of Functional Equations, Approximation and Convexity (editor Elena Popoviciu) vol. 1, Mediamira Science Publisher, Cluj-Napoca, 2003, 43-52, ISSN 1584 - 4536.
- 2) B. E. Breckner and C. Săcărea, *From the Iwasawa decomposition to a Tits system*, in Annals of the Tiberiu Popoviciu Seminar of Functional Equations, Approximation and Convexity (editor Elena Popoviciu) vol. 3, Mediamira Science Publisher, Cluj-Napoca, 2005, 19-37, ISSN 1584 - 4536.
- 3) B. E. Breckner and N. Popovici, *An overview of five separation notions*, A Festschrift for Wolfgang W. Breckner on his 65th anniversary (editor: St. Cobzas), Presa Universitara Clujeana, 2008, 43-55.

ARTICLES published in
Conference-Proceedings

- 1) B. E. Breckner and W.A.F. Ruppert, *Neue Hilfsmittel für das Studium analytischer und geometrischer Strukturen in der Lie-Theorie*, pg. 9-31 in Seminaire de la Theorie de la Meilleure Approximation, Convexite et Optimisation (edite par Elena Popoviciu), SRIMA, Cluj-Napoca, 2002, ISBN 973 - 8296 - 05 -06.
- 2) B. E. Breckner and C. Săcărea, *Tits systems in parabolic subgroups of semisimple Lie groups*, pg. 31-40 in Proceedings of the Algebra Symposium Cluj-Napoca 2005 (editors S. Breaz, C. Săcărea), Editura Fundației pentru Studii Europene, Cluj-Napoca, 2006, ISBN 973-7677-16-1.
- 3) B. E. Breckner and Cs. Varga, *On problems involving the weak Laplacian operator on the Sierpinski gasket*, pg. 29-37 in An Operator Theory Summer, Timisoara, June 29-July 4, 2010, Editura Theta, Bucharest, 2012, ISBN 978-973-87899-8-2.

Preprints published abroad

- 1) B. E. Breckner, *A fixed point theorem for vectorial multivalued set functions*, Seminarreihe des Fachbereichs Mathematik der Technischen Hochschule Darmstadt, Nr. 1876, 1996.
- 2) B. E. Breckner, *The Bohr-compactification of cones of almost abelian Lie groups*, Seminarreihe des Fachbereichs Mathematik der Technischen Hochschule Darmstadt, Nr. 1893, 1997.
- 3) B. E. Breckner și W.A.F. Ruppert, *On asymptotic behaviour and rectangular band structures in $Sl(2, R)$* , Seminar of the Erwin Schrödinger International Institute for Mathematical Physics, Vienna, Austria, Nr. 919, (2000).
- 4) B. E. Breckner și W.A.F. Ruppert, *On the Bohr compactification of subsemigroups of $Sl(2, R)$* , Seminarreihe des Instituts für Mathematik und Angewandte Statistik, Universität für Bodenkultur Wien, Austria, 2000.
- 5) B. E. Breckner și W.A.F. Ruppert, *On proper and non-proper subsemigroups of $Sl(2, R)$* , Seminarreihe des Instituts für Mathematik und Angewandte Statistik, Universität für Bodenkultur Wien, Austria, 2000.
- 6) B. E. Breckner, *A note on subsemigroups of $Sl(n, R)$* , Seminar of the Department of Mathematics and Its Applications of the Central European University, Budapest, May 2006.

PARTICIPATION AT
CONFERENCES

- 1) *Inductively closed families in semigroups*, the 21th National Student-Conference, Szombathely (Hungary), April 1993.
- 2) *Kompaktifizierungen rechtstopologischer Gruppen und Halbgruppen*, the 10th Seminar Sophus Lie, Clausthal (Germany), 7-8 July 1995.
- 3) *Zur Bohr-Kompaktifizierung von Kegeln in fast-abelschen Lie-Gruppen*, the 13th Seminar Sophus Lie, Erlangen (Germany), 6-7 December 1996.
- 4) *Diamanten und Regenschirme in der $sl(2, R)$* (jointly with W.A.F. Ruppert), The Erwin

- Schrödinger Institute for Mathematical Physics, Vienna (Austria), 25th October 1999.
- 5) *Diamonds and umbrellas* (jointly with W.A.F. Ruppert), the Sophus Lie Seminar, Stuttgart (Germany), 7-8 January 2000.
 - 6) *Aliens in Lie semigroups* jointly with W.A.F. Ruppert), the Sophus Lie Seminar, Greifswald (Germany), 15-16 iunie 2001.
 - 7) *On Lie order structures and aliens* (jointly with W.A.F. Ruppert), DMV and ÖMV Conference, Vienna (Austria), 16-22 September 2001.
 - 8) *The Bohr-compactification of subsemigroups of $SL(2, \mathbb{R})$* (jointly with W.A.F. Ruppert), the Sophus Lie Seminar, Berlin (Germany), 6-8 Decembre 2001.
 - 9) *News about the Bohr compactification of subsemigroups of $SL(2, \mathbb{R})$* (jointly with W.A.F. Ruppert), the 23rd Seminar Sophus Lie, Erlangen (Germany), 21-22 June 2002.
 - 10) *Despre studiul proprietăților asimptotice ale subsemigrupurilor grupurilor Lie*, The National Conference on Mathematical Analysis and its Application (6th edition), Cluj-Napoca, 8-9 November 2002.
 - 11) *Compactifications of subsemigroups of Lie groups*, 5th Congress of Romanian Mathematicians, Pitești (România), 22 – 28 June 2003.
 - 12) *Semigroups in Lie groups. A program*, the Sophus Lie Seminar, Bielefeld (Germany), 4 – 5 July 2003.
 - 13) *On the asymptotic behaviour of subsemigroups of Lie groups*, 5th Joint Conference on Mathematics and Computer Science, Debrecen (Ungaria), 9 – 12 June 2004.
 - 14) *Lattices of subsemigroups of Lie groups* (jointly with W.A.F. Ruppert), the Sophus Lie Seminar, Darmstadt (Germany), 6-7 January 2006.
 - 15) *The study of nonlocal properties of subsemigroups of Lie groups*, CEU, Budapesta (Hungary), 21.3. 2006.
 - 16) *A multiplicity result for systems of hemivariational inequalities and its applications*, the Sophus Lie Seminar, Vienna (Austria), 3 – 4 November 2006.
 - 17) *On Lie semigroup analogues of parabolic Lie groups* (jointly with W.A.F. Ruppert), the Sophus Lie Seminar, Darmstadt (Germany), 5-6 October 2007.
 - 18) *Semigroups and Lie Theory* (jointly with K.H. Hofmann), the Sophus Lie Seminar, Cluj-Napoca, 4-6 July 2008.
 - 19) *Infinitely many solutions for the Dirichlet problem on the Sierpinski gasket* (jointly with Cs. Varga), The International Conference of Differential Geometry and Dynamical Systems, Universitatea Politehnică București, 8-11 October 2009.
 - 20) *On problems involving the weak Laplacian operator on the Sierpinski gasket*, (jointly with Cs. Varga), The 23rd International Conference on Operator Theory, Universitatea de Vest, Timișoara, 29th June – 4th July 2010.
 - 21) *On the existence of multiple solutions for the Dirichlet problem on the Sierpinski gasket*, (i jointly with Cs. Varga), The 7th edition of the Bolyai-Gauss-Lobachewsky conference series, Universitatea Babeș-Bolyai, Cluj-Napoca, 5 – 9 July 2010.
 - 22) *One-parameter Dirichlet problems, on the Sierpinski gasket*, (jointly with Cs. Varga), ICNODEA, Universitatea Babeș-Bolyai, Cluj-Napoca, 5 – 8 July 2011.

VISITING PROFESSOR

- 1) 3-17 May 2005, Institute of Mathematics of the University of Natural Resources and Life Sciences, Vienna, Austria.
- 2) 10-30 June 2005, Institute of Mathematics of the University of Natural Resources and Life Sciences, Vienna, Austria.
- 3) 2-11 November 2006, Institute of Mathematics of the University of Natural Resources and Life Sciences, Vienna, Austria.
- 4) September 29- October 7, 2007, Department of Mathematics, Darmstadt University of Technology, Germany.
- 5) 16-23 May, 2007, Department of Mathematical Sciences, University of Oulu, Finland.
- 6) 10-22 April 2007, Institute of Mathematics of the University of Natural Resources and Life Sciences, Vienna, Austria.
- 7) March 31 – April 10, 2008, Institute of Mathematics of the University of Natural Resources and Life Sciences, Vienna, Austria.
- 8) November 30 – December 7, 2008, Institute of Mathematics of the University of Natural Resources and Life Sciences, Vienna, Austria.
- 9) 19-27 April 2009, Institute of Mathematics of the University of Natural Resources and Life

INVITED SPEAKER	Sciences, Vienna, Austria. 10) 26-30 March 2008, Alfred Renyi Institute of Mathematics, Budapest, Hungary. 1) <i>Über die Bohr-Kompaktifizierung von Kegeln</i>. Mathematics Colloquim of the Gerhard Mercator University Duisburg, Germany, December 11, 1996. 2) <i>Compactifications of subsemigroups of Lie groups</i>. The Mathematics and Informatics Institute colloquim, University of Debrecen, Hungary, March 10, 2005. 3) <i>Compactifications of semigroups: An important tool in the domain of analysis on semigroups</i>. The Finnish Mathematical Society Colloquim, University of Oulu, Finland, May 22, 2007.
RESEARCH GRANTS	
COORDINATOR	CNCSIS Grant nr. 595, Type AT (2003), <i>Modelation and solving of problems on differential varieties</i> (3240 RON).
MEMBER	1) CNCSU Grant , Nr. 292/1995, Theme A9, contract nr. 4010/1995, (1995), <i>Research on approximation theory and convex analysis</i>, director: Wolfgang W. Breckner (480 RON). 2) CNCSIS Grant Nr. 346, Type A, Theme 6, contract nr. 33374/2004, (2004), <i>Modern analysis research and applications</i>, director: Wolfgang W. Breckner (18400 RON). 3) CNCSIS Grant Nr. 346, Type A, Theme 7, contract nr. 34701/2005, (2005), <i>Modern analysis research and applications</i>, director: Wolfgang W. Breckner (suma totală: 15000 RON). 4) CNCSIS Grant Nr. 346, Type A, Theme 9, contract nr. 148GR/2006, (2006), <i>Modern analysis research and applications</i>, director: Wolfgang W. Breckner (25000 RON). 5) CEEX Grant, module 3, nr. 130/2006 (2006, 2007, 2008) <i>The development of research partnerships towards european integration of top mathematical romanian research in the field of nonlinear analysis, differential topology and applications</i>, director: Varga Csaba, (200.000 RON). 6) PN-II-ID-527 Grant, <i>Applications of recents variational methodes to the study of nonlinear elliptic equations and optimization problems</i>, 2007-2010, director: Alexandru Kristaly (777630 RON). 7) PN-II-P4-11-020/2007 Grant CRYPTORAND – <i>Integrated high performance system for generation and testing of random number sequences for cryptographic applications</i>, 2007-2010, director: dr. ing. Alin Suciu, Technical University Cluj-Napoca (1000000 RON).
OTHER ONFORMATION	1) Since 2000 Reviewer for <i>Zentralblatt Math</i> 2) Since January 2007 secretary Mathematica, edited by the Romanian Academy.

Cluj- Napoca, September 23, 2012

Brigitte Erika Breckner