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Concurs pentru ocuparea postului de **C.S. II**
Disciplinele:
Domeniul **MATEMATICA**
de la Catedra/Departamentul de **Topologie Algebrica**
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LISTA DE LUCRARI

Candidat: **PANAITE, L. Florin - Dr.** / din 1999, CS III / din 2001

1^o Teza de doctorat

T1. Florin Panaite,
Algebre si coalgebre cu aplicatii in grupuri cuantice,
Universitatea Bucuresti, 1999.
Conducator stiintific: prof.dr. Constantin Nastasescu.

2^o Carti publicate (C1, C2 etc.), indrumare publicate (I 1, 12 etc.), capitole publicate in volume colective, capitole teoretice redactate, sisteme de laborator functionale etc. (D1, D2 etc.), dupa caz, prin care se aduc contributi la asigurarea si perfectionarea activitatilor didactice/profesionale in raport cu natura criteriului de evaluare TC2

3^o Articole / studii publicate in reviste de specialitate recunoscute (R1, R2 etc.), articole/studii publicate in volumele unor manifestari stiintifice internationale recunoscute (Vi1, Vi2 etc.), brevete de inventie (B12, B2 etc.), creatii artistice prezentate la manifestari stiintifice recunoscute (A1, A2 etc.), precum si, dupa caz, alte lucrari similare - articole/studii publicate in volumele unor manifestari stiintifice nationale, lucrari prezentate la diferite seminarii/expozitii etc. (E1, E2 etc.), dupa caz, prin care se aduc contributi la dezvoltarea *domeniului* in raport cu natura criteriului de evaluare TC3

R1. Florin Panaite, Mihai D. Staic, *Generalized (anti) Yetter-Drinfeld modules as components of a braided T-category,* va aparea in Israel J. Math.

R2. Florin Panaite, Freddy Van Oystaeyen, *L-R-smash product for (quasi) Hopf algebras,* va aparea in J. Algebra.

R3. Florin Panaite, Freddy Van Oystaeyen, *A structure theorem for quasi-Hopf comodule algebras,* va aparea in Proc. Amer. Math. Soc .

R4. Daniel Bulacu, Florin Panaite, Freddy Van Oystaeyen, *Generalized diagonal crossed products and smash products for quasi-Hopf algebras. Applications,* va aparea in Comm. Math. Phys.

R5. Florin Panaite, Freddy Van Oystaeyen, *Some bialgebroids constructed by Kadison and Connes-Moscovici are isomorphic,* va aparea in Appl. Categorical Structures.

R6. Daniel Bulacu, Stefaan Caenepeel, Florin Panaite, *Yetter-Drinfeld categories for quasi-Hopf algebras,* Comm. Algebra 34(1), 1-35 (2006).

R7. Florin Panaite, Freddy Van Oystaeyen, *Quasi-Hopf algebras and representations of octonions and other quasialgebras*, J. Math. Phys. 45(10), 3912-3929 (2004).

R8. Florin Panaite, *Hopf bimodules are modules over a diagonal crossed product algebra*, Comm. Algebra 30(8), 4049-4058 (2002).

R9. Florin Panaite, Dragos Stefan, *Deformation cohomology for Yetter-Drinfeld modules and Hopf (bi)modules*, Comm. Algebra 30(1), 331-345 (2002).

R10. Florin Panaite, Freddy Van Oystaeyen, *Clifford-type algebras as cleft extensions for some pointed Hopf algebras*, Comm. Algebra 28(2), 585-600 (2000).

R11. Florin Panaite, *Relating the Connes-Kreimer and Grossman-Larson Hopf algebras built on rooted trees*, Lett. Math. Phys. 51(3), 211-219 (2000).

R12. Florin Panaite, Freddy Van Oystaeyen, *Existence of integrals for finite dimensional quasi-Hopf algebras*, Bull. Belg. Math. Soc. 7(2), 261-264 (2000).

R13. Daniel Bulacu, Florin Panaite, Freddy Van Oystaeyen, *Quasi-Hopf algebra actions and smash products*, Comm. Algebra 28(2), 631-651 (2000).

R14. Florin Panaite, *Equivalence of crossed coproducts*, Bull. Belg. Math. Soc. 6(2), 259-278 (1999).

R15. Constantin Nastasescu, Florin Panaite, Freddy Van Oystaeyen, *External homogenization for Hopf algebras*, Algebr. Represent. Theory, 2(3), 211-226 (1999).

R16. Daniel Bulacu, Florin Panaite, Freddy Van Oystaeyen, *Quantum traces and quantum dimensions for quasi-Hopf algebras*, Comm. Algebra 27(12), 6103-6122 (1999).

R17. Florin Panaite, Freddy Van Oystaeyen, *Quasitriangular structures for some pointed Hopf algebras of dimension 2^n* , Comm. Algebra 27(10), 4929-4942 (1999).

R18. Daniel Bulacu, Florin Panaite, *A generalization of the quasi-Hopf algebra $D^{\{\omega\}}(G)$* , Comm. Algebra 26(12), 4125-4141 (1998).

R19. Stefaan Caenepeel, Sorin Dascalescu, Gigel Militaru, Florin Panaite, *Coalgebra deformations of bialgebras by Harrison cocycles*, Bull. Belg. Math. Soc. 4(5), 647-671 (1997).

R20. Florin Panaite, *Ribbon and charmed elements for quasitriangular Hopf algebras*, Comm. Algebra 25(3), 973-977 (1997)

Vi1. Daniel Bulacu, Stefaan Caenepeel, Florin Panaite, *More properties of Yetter-Drinfeld modules over quasi-Hopf algebras*, in "Hopf algebras in noncommutative geometry and physics", 89-112, Lecture Notes in Pure and Appl. Math. 239, Marcel Dekker, New York, 2005.

Vi2. Florin Panaite, Freddy Van Oystaeyen, *Quasi-Hopf algebras and the centre of a tensor category*, in "Hopf algebras and quantum groups", 221-235, Lecture Notes in Pure and Appl. Math. 209, Marcel Dekker, New York, 2000.

Vi3. Florin Panaite, *A Maschke-type theorem for quasi-Hopf algebras*, in "Rings, Hopf algebras and Brauer groups", 201-207, Lecture Notes in Pure and Appl. Math. 197, Marcel Dekker, New York, 1998.

4^o Proiecte de cercetare-dezvoltare (P1, P2 etc.) pe baza de contract/grant, precum si alte lucrari de cercetare-dezvoltare (F1, F2 etc.), dupa caz, prin care se aduc contributii la dezvoltarea mediului educational/cultural/economic/social etc. in raport cu natura criteriului de evaluare TC4

P1. Bursa postdoctorala MARIE CURIE, la Universitatea din Antwerpen, Belgia, in cadrul proiectului RTN "LIEGRITS", 05/2005-11/2005.

P2. Bursa postdoctorala NATO, la Universitatea din Almeria, Spania, director de proiect, 03/2004-08/2004.

P3. Membru in echipa de cercetare in proiectul bilateral de cooperare Romania-Flandra "New techniques in Hopf algebras and graded ring theory", 2005-2006.

P4. Membru in echipa de cercetare in proiectul bilateral de cooperare Romania-Flandra "Hopf algebras in algebra, topology, geometry and physics", 2001-2004.

P5. Membru in echipa de cercetare in proiectul bilateral de cooperare Romania-Flandra "Hopf algebras and (co) Galois theory", 1997-2000.

P6. Membru in echipa de cercetare in contractul ICA1-CT-2000-70022 EURROMMAT „*European Integration of the Romanian Mathematical Research Activity*”, finantat de Comisia Europeana.

P7. Membru in echipa de cercetare in contractul CERES nr. 4-147/2004.

P8. Membru in echipa de cercetare in contractul CEEX nr. CEx05-D11-11/2005.

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- (1) Fiecare lucrare este prezentata, in limba in care a fost publicata/expusa, corespunzator structurii "I, II, III, IV, V, VI", unde: I este indicativul (T1, T2 etc.; C1, C2 etc. ...), care se scrie "bold" la lucrarile realizate dupa acordarea ultimului titlu didactic/grad profesional (**C1, I 1** etc., dupa caz); II - autorii in ordinea din publicatie, cu scriere "bold" a **candidatului**; III - *titlul* scris "italic"; IV - editura sau revista sau manifestarea si/sau alte elemente de localizare, dupa caz; V - intervalul de pagini din publicatie, respectiv, pp...-....., numarul total de pagini, respectiv, pg., sau alte date similare, dupa caz; VI - anul sau perioada de realizare, dupa caz.
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