Panagis Karazeris, Short Curriculum Vitae

Place and date of birth: Patras, 5 July 1964

Professional Positions:
May 2015 - : Associate Professor, Department of Mathematics, University of Patras
September 2006 - May 2015: Assistant Professor, Department of Mathematics, University of Patras (tenure since **October 2010**)
June 2000 - September 2006: Lecturer, Department of Mathematics, University of Patras
September 1998 - June 2000: Postdoctoral Fellow, University of Athens, Graduate Program in Logic and Algorithms
September 1996 - June 2000: Adjunct Professor, Technical Educational Institute of Patras
1993: Postdoctoral Fellow, Matematisk Institut Aarhus Universitet, Denmark

Fields of Interest:
Category Theory, Mathematical Logic

PhD Thesis:
P[0] *The Frame of Compact Topologies on a Locally Finitely Presentable Category*, Ph. D Thesis, Matematisk Institut, Aarhus Universitet, 1993

Published papers:
P[1] Compact Topologies on Locally Presentable Categories, *Cahiers de Topologie et Geometrie Differentiele Categoriques*, Vol. XXXVIII-3 (1997), 227-255
P[2] Gabriel Topologies on Coherent Quantales, *Journal of Pure and Applied Algebra*, 127(2), 177-192, 1998.
P[3] Coupling an MV-algebra with a Boolean Algebra (with C. A. Drossos), *Intern. J. of Approx. Reasoning* 18 (1998), 231-238.
P[4] Gabriel Filters and the Spectrum of an MV-algebra. In: D. Dubois et al.(eds) *Fuzzy Sets, Logics and Reasoning about Knowledge* (Applied Logic Series) Kluwer, 1999.
P[5] Categorical Domain Theory: Scott topology, Powercategories, Coherent Categories, *Theory and Applications of Categories*, 9, No 6 (2001), 106-120
P[6] Notions of flatness relative to a Grothendieck topology, *Theory and Applications of Categories*, 12, (2004), 225-236
P[7] Completeness of cocompletions (with J. Rosicky and J. Velebil), *Journal of Pure and Applied Algebra*, 196 (2005), 229 - 250
P[8] When is flatness coherent? (with T. Beke and J. Rosicky), *Communications in Algebra*, 33 (2005), 1903-1912
P[9] Dense morphisms of monads. (with J. Velebil) *Theory and Applications of Categories*, 18 (2007), 372—399
P[10] A note on representing and interpreting MV-algebras, (with C. A. Drossos) S. Aguzzoli (ed.) et al., *Algebraic and proof-theoretic aspects of non-classical logics*. Papers in honor of Daniele Mundici on the occasion of his 60th birthday. Berlin: Springer. Lecture Notes in Computer Science 4460. Lecture Notes in Artificial Intelligence, 119-126 (2007).
P[11] Representability relative to a doctrine, (with J. Velebil) *Cahiers de Topologie et Geometrie Differentiele Categoriques* 50, No. 1, 3-22 (2009)

P[12] Final coalgebras in accessible categories, (with A. Matzaris and J. Velebil) *Mathematical Structures in Computer Science,* 21 (2011), 1067–1108.

P[13] Left Kan extensions preserving finite products, (with G. Protsonis) *J. Pure Applied Algebra* 216 (2012), 2014–2028.

P[14] A property of effectivization and its uses in categorical logic, (with V. Aravantinos – Sotiropoulos), Theory Appl. Categ. 18 (2017), No. 32, 769—779

Submitted, in preparation:

S[15] Cofree coalgebras in accessible categories, (with A. Matzaris and J. Velebil)

S[16] Flat morphisms of theories (with G. Protsonis)

Research projects:

1. Human Capital and Mobility, Postdoctoral Grant, "*Spaces constructed out of locally presentable categories and their applications to categorical logic*", Aarhus Universitet, 1993

2. European Working Group "COST ACTION # 15" on "*Many-valued Logic for Computer Applications*"

3. Basic Research Project *C. Caratheodory*, "*Categories of models of first-order logical theories*", University of Patras 2006-2009

PhD Students:

A. Matzaris, *Final and Co-free Coalgebras on Accessible Categories*, University of Patras 2011

G. Protsonis, *Preservation of Classes of Finite Limits by Left Kan Extensions,* University of Patras 2012