CURRICULUM VITAE

Name	Zoran Petrić

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Born 8 August, 1963, in Belgrade, Yugoslavia

Parents father: Professor Jovan Petrić (1930-1997), mathematician
mother: Dr Zora Petrić (1932-2012), mathematician

Wife Ana Petrić, mathematician

Children daughter: Saša Petrić (1992), pianist
son: Ivan Petrić (1994), electrical engineer

Citizenship Yugoslav

Education primary school: Belgrade, 1970-1978
secondary school: Belgrade High School of Mathematics, 1978-1982
university: Belgrade, Faculty of Mathematics, 1983-1988
graduate studies: Belgrade, Faculty of Mathematics, 1989-1993
Ph.D. studies: Belgrade, faculty of Mathematics and McGill University
Montreal 1993-1997

Degrees B.A., mathematics, Faculty of Mathematics, University of Belgrade,
December 1988 (8.92 out of 10)
M.A., mathematical logic, Faculty of Mathematics, University of Belgrade, June
1993, supervisor: Professor Kosta Došen
Ph.D., mathematical logic, Faculty of Mathematics, University of Belgrade, June
1997, supervisor: Professor Kosta Došen

Theses M.A.: "Isomorphic Propositional Formulae in Categorial Proof Theory (in Serbo-Croatian)", 1993
Ph.D.: "Equalities of Derivations in Categorial Proof Theory (in Serbo-Croatian)", 1997

Jobs   Teaching assistant, Faculty of Mining and Geology, Belgrade, 1989-1997
               Teaching assistant, McGill University, Montreal, 1993
               Assistant Professor, Faculty of Mining and Geology, Belgrade, 1998-2000
               part-time Assistant Professor, Faculty of Philosophy, Belgrade, 1999-2000
               Assistant Professor, Mathematical Institute, Belgrade, 2000-2008
               Professor, Mathematical Institute, Belgrade, 2008-present
               Associate Professor, Faculty of Mathematics, Belgrade, 2013-2019
               Professor, Faculty of Mathematics, Belgrade, 2019

Teaching   First and second course in mathematics, Numerical Analysis (Belgrade, RGF)
               Calculus (Montreal, McGill)
               Logic (Belgrade, Philosophy)
               Categorial Logic and Type Theory, Logic, Linear Algebra,
               Communications in Mathematics (Belgrade, Mathematics)
               Logic (Podgorica, PMF)

Particular lectures
               Mathematical Institute, Belgrade, 1991-present
               McGill University, Montreal, 1993
               Faculty of Mathematics, Belgrade, 2012

Scholarship TEMPUS, Amsterdam, 1992

Grants   supported by Grant 0401A of the Science Fund of Serbia, 1991-1999
               supported by Grant 1630 of the Science Fund of Serbia, 2000-2005
               supported by Grants 144013 and 144029 of the Science Fund of Serbia, 2006-
               2010
               supported by Grant 174026 of the Science Fund of Serbia, 2011-

Invited talks 5th Panhellenic Logic Symposium, Athens, 2005
               Cross Perspectives on Proof Systems and their Significance, Paris, 2012
               Conference on Hypothetical Reasoning, Tübingen, 2014
               14th Serbian Mathematical Congress, Kragujevac, 2018.

PUBLICATIONS

Papers

Modal functional completeness (co-author: K. Došen), in *Proof Theory of Modal Logic,* H. Wansing ed., Kluwer Academic Publishers, Dordrecht (1996), pp. 167-211.

Isomorphic Objects in symmetric monoidal closed categories (co-author: K. Došen), *Mathematical Structures in Computer Science* vol. 7 (1997), pp. 639-662.

Cartesian isomorphisms are symmetric monoidal: A justification of linear logic (co-author: K. Došen), *The Journal of Symbolic Logic* vol. 64 (1999), pp. 227-242.

On permuting cut with contraction (co-authors: M. Borisavljević and K. Došen), *Mathematical Structures in Computer Science* vol. 10 (2000), pp. 99-136, (arXiv:math/9911065).

The maximality of the typed lambda calculus and of cartesian closed categories (co-author: K. Došen), *Publications de l' Institut Mathematique,* tome 68 (82) (2000), pp. 1-19, (arXiv:math/9911073).

The maximality of cartesian categories (co-author: K. Došen), *Mathematical Logic Quarterly,* vol. 47 (2001), pp. 137-144, (arXiv:math/9911059).

Cut elimination in a category-like sequent system, in: A. Krapež, (ed.) *A Tribute to S.B. Prešić* (2001), pp. 73-78, Mathematical Institute, Belgrade.

Пермутовање сечења и контракције (co-authors: M. Borisavljević and K. Došen), *10. Конгрес математичара Југославије*, Београд 2000, Резимеи, стр. 13.

The typed Bohm theorem (co-author: K. Došen), in: J.J. Levy et al. (eds.), *Proceedings of the Satelite Workshops of the 28th ICALP*, Electronic Notes in Theoretical Computer Science 50(2001), no 2, pp. 119-131 (http:// www. elsevier. nl/ locate/ entcs/ volume 50.html)

Coherent bicartesian and sesquicartesian categories (co-author: K. Došen), in: R. Kahle et al. (eds.), *Proof Theory in Computer Science,* Lecture Notes in Computer Science 2183 (2001), pp. 78-92 (arXiv:math/0006091).

Bicartesian coherence (co-author: K. Došen), *Studia Logica* vol. 71 (2002), pp. 331-353, (arXiv:math/0006052).

Kauffman monoids (co-authors: M. Borisavljević and K. Došen), *Journal of Knot Theory and its Ramifications* vol. 11 (2002), pp. 127-143, (arXiv:math/0008187).

Coherence in substructural categories, *Studia Logica* vol. 70 (2002), pp. 271-296, (arXiv:math/0006061).

Generality of proofs and its Brauerian representation (co-author: K. Došen), *The Journal of Symbolic Logic* vol. 68 (2003), pp. 740-750, (arXiv:math/0211090).

Self-adjunctions and matrices (co-author: K. Došen), *Journal of Pure and Applied Algebra* 184 (2003), pp. 7-39, (arXiv:math/0111058).

G-dinaturality, *Annals of Pure and Applied Logic* 122 (2003), pp. 131-173, (arXiv:math/0012019).

A Brauerian representation of split preorders (co-author: K. Došen), *Mathematical Logic Quarterly* 49 (2003), pp. 579-586, (arXiv:math/0211277).

The geometry of self-adjunction (co-author: K. Došen), *Publications de l' Institut Mathematique*, 73 (87) (2003), pp. 1-29 (arXiv.math/GT.0111058)

Negation and Involutive Adjunction (co-author: K. Došen), *We Will Show Them,* Sergei N. Artëmov, Howard Barringer, Artur S. d'Avila Garcez, Luís C. Lamb, John Woods (eds.), Essays in Honour of Dov Gabbay on his 60th Birthday, vol. 1 (2005), pp. 577-585, College Publications, London, (arXiv:math/0506302).

A new proof of the faithfulness of Brauer's representation of Temperley-Lieb algebras (co-authors: K. Došen and Ž. Kovijanić), *International Journal of Algebra and Computation* 16, 5 (2006), pp. 959-968 (arXiv:math/0204214).

Coherence of Proof-Net Categories (co-author: K. Došen), *Publications de l' Institut Mathematique*, tome 78 (92) (2005), pp. 1-33, (arXiv:math/0503301).

Coherence for Star-Autonomous Categories (co-author: K. Došen), *Annals of Pure and Applied Logic* 141 (2006), pp. 225-242, (arXiv:math/0503306).

Associativity as Commutativity (co-author: K. Došen), *The Journal of Symbolic Logic* 71, 1 (2006), pp. 217-226, (arXiv:math/0506600).

Symmetric self-adjunctions: A justification of Brauer's representation of Brauer's algebras (co-author: K. Došen), *Proceedings of CGRT 2005,* pp. 177-188, (arXiv:math/0512102).

Medial Commutativity (co-author: K. Došen), *Annals of Pure and Applied Logic* 146 (2007), pp. 237-255, (arXiv:math/0610934).

Coherence and Confluence (co-author: K. Došen), *Perspectives on Universal Logic*, Jean-Yves Béziau and Alexandre Costa-Leite (eds.), Polimetrica, Monza, Italy (2007), pp. 205-215, (arXiv:math/0506310).

Relevant Categories and Partial Functions (co-author: K. Došen)), *Publications de l' Institut Mathematique*, tome 82 (96) (2007), pp. 17-23, (arXiv:math/0504133).

Equality of Proofs for Linear Equality (co-author: K. Došen), *Archive for Mathematical Logic,* 47 (2008), pp. 549-565 (arXiv:math/0601490).

Bicartesian Coherence Revisited (co-author: K. Došen), *Logic in Computer Science*, Zoran Ognjanović (ed.), Zbornik radova 12 (20), Matematički institut SANU (2009), pp. 5-34 (arXiv:0711.4961).

Coherence in Linear Predicate Logic (co-author: K. Došen), *Annals of Pure and Applied Logic,* 158 (2009), pp. 125-153 (arXiv:0709.1421).

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Coherence for Modalities (co-author: K. Došen), *Journal of Pure and Applied Algebra,* 215 (2011), pp. 1606-1628 (arXiv:0809.2494).

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Shuffles and Concatenations in Constructing of Graphs (co-author: K. Došen), *Mathematical Structures in Computer Science*, 22, Special Issue 06 (2012), pp 904-930 (arXiv:1002.3577).

Symmetric Self-Adjunctions and Matrices (co-author: K. Došen), *Algebra Colloquium*, 19, No. spec01 (2012), pp. 1051-1082 (arXiv:math/0510039).

Ordinals in Frobenius Monads (co-author: K. Došen), *Journal of Pure and Applied Algebra,* 217 (2013), pp. 763-778 (arXiv:0809.2495).

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Monoids, Segal's condition and bisimplicial spaces, *Četvrta Matematička Konferencija Republike Srpske*, Zbornik radova I, Trebinje (2015), pp. 7-16 (arXiv: 1505.05010).

270 Minutes on Categorial Proof Theory, *Logic in Computer Science*, Silvia Ghilezan (ed.), Zbornik radova 18 (26), Matematički institut SANU (2015), pp. 7-35.

A Planarity Criterion for Graphs (co-author: K. Došen), *SIAM Journal on Discrete Mathematics*, 29(4) (2015), pp. 2160–2165 (arXiv:1203.0996).

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A note on semisymmetry (co-author: Aleksandar Krapež), *Quasigroups and Related Systems*, 25 (2017), pp. 269-278 (arXiv:1507.02149).

The n-fold reduced bar construction (co-author: S.Lj. Čukić), *Journal of Homotopy and Related Structures*, 13 (2018), pp. 503-543 (arXiv:1309.6209).

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Proofs and surfaces, (co-authors: Đ. Baralić, P-L. Curien, M. Milićević, J. Obradović, M. Zekić, R.T. Živaljević), *Annals of Pure and Applied Logic*, 171 (2020), 102845 (arXiv: 1907.02949).

Coherence for closed categories with biproducts, (co-author: M. Zekić), *Journal of Pure and Applied Algebra,* 225 (2021) 106533 (arXiv: 2001.09736).

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A calculus for S3-diagrams of manifolds with boundary, (co-authors: B. Femić, V. Grujić, J. Obradović).

A diagrammatic calculus for categorical quantum protocols, (co-authors: D. Đorđević, M. Zekić).

A diagrammatic presentation of the category 3Cob, (co-authors: J. Nikolić, M. Zekić).

From Heegaard diagrams to surgery, (co-authors: J. Nikolić).

Books

Proof-Theoretical Coherence (co-author: K. Došen), KCL Publications, London (2004)
http://www.mi.sanu.ac.rs/~kosta/coh.pdf

Proof-Net Categories (co-author: K. Došen), Polimetrica, Monza, Italy (2007)
http://www.mi.sanu.ac.rs/~kosta/pn.pdf

Graphs for Juncture (co-author: K. Došen), preprint, August 2012, viii+128 pp.
http://www.mi.sanu.ac.rs/~kosta/jun.pdf