

Kosta Došen  
1954-2017

## Detailed Curriculum Vitae

Supplement to the obituary by Peter Schroeder-Heister in *Studia Logica*, special issue on General Proof Theory (ed. by Thomas Piecha and Peter Schroeder-Heister), 2019 (first published online in 2018)

## *Editorial note*

The following is a translation of the curriculum vitae that Kosta Došen made himself and which is still, at the time of writing this note, available on his website, in Serbian (<http://www.mi.sanu.ac.rs/~kosta/biogr.pdf>). It is made with an English speaking reader in mind, who would like to learn more about the many facets of his rich life in mathematics, logic and philosophy. To this end, all the titles, be it of books, papers contributed at conferences, talks he had given etc. that were originally in Serbian are translated here into English with a parenthetical note *in Serbian* where this is due. The original titles in Serbian are left out of this translation to help ease the reading and can be found in the original document referred to above. Nothing else was left out of this translation.

After the long list of his scientific contributions Kosta kept a record of the citations of his work in the works of others. To the best of our knowledge, the record was made in response to a request by the Ministry of Education, Science and Technological Development of the Republic of Serbia to supply a citation list of this kind without actually providing to scientists a reliable such service themselves.

Although such a record is bound to be incomplete as Kosta himself noted, it can, perhaps, still be of assistance to someone trying to find his way through these fields.

In Belgrade  
January 2018  
Miloš Adžić



Kosta Došen, Nancy 2011, during the 14th Congress of Logic, Methodology and Philosophy of Science



## CURRICULUM VITAE

- Name* Kosta DOŠEN
- Born* 5. June 1954, in Belgrade.
- Education* University of Belgrade, Faculty of Philosophy, 1972-1977  
University of Oxford, St John's College, 1977-1981
- Degrees* B.A., philosophy, Faculty of Philosophy, Belgrade, March 1977  
average grade: 9,75  
B.A. thesis: 10, thesis advisor Professor Aleksandar Kron  
Ph.D., mathematical logic, University of Oxford, March 1981  
Thesis advisors: Professors Michael Dummett and Dana Scott
- Theses* B.A. thesis: „Philosophical Problems of Relevant Logic” (in Serbian),  
1977 (rewarded with the City of Belgrade October Prize)  
Doctoral Thesis: „Logical Constants: An Essay in Proof Theory”, 1980
- Tenured and visiting posts*
- Teaching Assistant, Mathematical Institute SANU, Belgrade, 1981-1982  
Research Assistant, Mathematical Institute SANU, Belgrade, 1982-1988  
Research Assistant Professor, Mathematical Institute SANU,  
Belgrade, 1988-1995  
Full Research Professor, Mathematical Institute SANU, Belgrade, 1995-  
2017  
Assistant Professor (with one third of the time), Faculty of Mathematics,  
Belgrade, 1985/86  
Invited Professor, Department of Philosophy, University of Notre Dame,  
Indiana, 1986/87  
Visiting Professor, Institute for Mathematics, University of Montenegro,  
Podgorica, 1988/89  
Professor (with one third of the time), Faculty of Mathematics, Belgrade,  
1990/91, 1991/1992, 2000/2001  
professeur associé, Département de Mathématiques et Informatique,  
Université de Montpellier III, 1992/93, 1993/94  
Gastprofessor, Wilhelm-Schickard-Institut, Universität Tübingen, 1997  
professeur, Institut de Recherche en Informatique de Toulouse, Département  
de Mathématiques et Informatique, Université de Toulouse III, 1994-  
1998  
Professor, Faculty of Philosophy, Belgrade, 2003-2017

### *Courses given*

*elementary:* mathematical logic (Belgrade, Montpellier, Toulouse)  
discrete mathematics (Toulouse)

*intermediate:* mathematical logic (Podgorica)  
formal grammars and automata (Belgrade)  
philosophy of mathematics (Belgrade)

*advanced:*

formal arithmetic (Belgrade)  
intuitionistic logic (Belgrade, Notre Dame)  
modal logic (Belgrade)  
proof theory (Belgrade)  
categorical proof theory (Belgrade, Montpellier, Tübingen)  
lambda calculus (Toulouse)  
type theory and categorial logic (Belgrade)  
theory of deduction (Belgrade)

### *Thesis advisor to:*

Prof. dr Branislav Boričić (Professor, University of Belgrade)

Doctoral Thesis: „A Contribution to the Theory of Intermediate Propositional Logics” (in Serbian), Faculty of Mathematics, Belgrade, 1984 [parts of the thesis published in papers by B. Boričić in *The Journal of Symbolic Logic* 49(1984), pp. 329-333; *Zeitschrift für mathematische Logik und Grundlagen der Mathematik* 31(1985), pp. 243-247; *Journal of Philosophical Logic* 4(1985), pp. 359-377; *Studia Logica* 45(1986), pp. 39-53].

Prof. dr Silvijana Gilezan (Professor, University of Novi Sad)

M.Sc. Thesis: „Lambda Calculus and Weak Propositional Logics” (in Serbian), Faculty of Mathematics, Belgrade, 1988.

Doctoral Thesis: „Intersection Types in Lambda Calculus and Logic” (in English and in Serbian), Faculty of Sciences, Novi Sad, 1993 [parts of the thesis published in papers by S. Gilezan in *Journal of Logic and Computation* 3(1993), pp. 671-685; *Notre Dame Journal of Formal Logic* 37(1996), pp. 44-52].

Prof. dr Zoran Petrić (Full Research Professor, Mathematical Institute SANU, Associate Professor, University of Belgrade)

M.Sc. Thesis: „Isomorphic Propositional Formulae in Categorical Proof Theory” (in Serbian), Faculty of Mathematics, Belgrade, 1993.

Doctoral Thesis: „Equality of Deductions in Categorical Proof Theory” (in Serbian), Faculty of Mathematics, Belgrade, 1997 [parts of the thesis published in papers by Z. Petrić in *Studia Logica* 70(2002), pp. 271-296; *Annals of Pure and Applied Logic* 122(2003), pp. 131-173].

Prof. dr Mirjana Borisavljević (Professor, University of Belgrade)

M.Sc. Thesis: „Internal Languages of Linear Multicategories” (in Serbian), Faculty of Mathematics, Belgrade, 1994.

Doctoral Thesis: „Sequents, Natural Deduction and Multicategories” (in Serbian), Faculty of Mathematics, Belgrade, 1997 [part of the thesis published in a paper by M. Borisavljević in *Annals of Pure and Applied Logic* 99(1999), pp. 105-136].

dr Miloš Adžić (Assistant Professor, University of Belgrade)

Doctoral Thesis: „Gödel on the Axiomatization of Set Theory” (in Serbian), Faculty of Philosophy, Belgrade, 2014.

dr Vladimir Drekalović (Assistant Professor, University of Montenegro, Nikšić)

M.Sc. Thesis: „Empirical Platonism in the Philosophy of Mathematics” (in Serbian), Faculty of Philosophy, Belgrade, 2006.

#### *Guest speaker*

Faculty of Mathematics, University of Zagreb, 1984: „Higher-order sequent systems and modal logic” (in Serbian),

Philosophische Fakultät, Universität Konstanz, 1984: “Second-order logic without variables”,

Philosophische Fakultät, Universität Konstanz, 1984: “What are logical constants?”, Department of Philosophy, University of Notre Dame, 1987: “Logical constants as punctuation marks”,

Department of Mathematics, University of Notre Dame, 1987: “A general interpolation and definability theorem”,

Department of Philosophy, Purdue University, 1987: “Applications of intuitionistic modal logic”,

Department of Mathematics, University of Maine, 1988: “How to talk with an intuitionist?”,

Institute for Mathematics, University of Montenegro, 1989: „Modal translations” (in Serbian),

Philosophische Fakultät, Universität Konstanz, 1990: “Modal duality theory”,

Philosophische Fakultät, Universität Konstanz, 1990: “Modal logic and metalogic”,

Fakultät für Linguistik, Universität Konstanz, 1990: “Type theory and categories”,

Fakulteit Wiskunde en Informatica, Universiteit van Amsterdam 1991: “Modal translations in substructural logics”,

Wilhelm-Schickard Institut, Universität Tübingen, 1992: “An introduction to categorial substructural logics”,

Département de Mathématiques et Informatique, Université de Montpellier III, 1992: “Les logiques substructurelles”,

Département de Mathématiques et Informatique, Université de Montpellier III, 1993: “L’intuitionnisme assimilé”,

Departament de Logica, Historia e Filosofia de la Ciència, Universitat de Barcelona, 1993: “Sequents of higher levels and the deduction theorem in substructural logics”,

Séminaire d'Epistémologie Comparative, Université de Provence, Aix-en-Provence, 1993: "Une caractérisation syntaxique de la logique",

Laboratoire de Recherche en Informatique, Robotique et Microélectronique de Montpellier, Université de Montpellier II, 1993: "Une introduction aux logiques substructurelles",

Département de Mathématiques et Informatique, Université de Montpellier III, 1994: "Le programme de Hilbert",

Séminaire d'Epistémologie Comparative, Université de Provence, Aix-en-Provence, 1994: "Le programme de Hilbert",

Laboratoire de Recherche en Informatique, Robotique et Microélectronique de Montpellier, Université de Montpellier II, 1994: "La pertinence de la non-monotonie",

Département de Mathématiques et Informatique, Université de Montpellier III, 1995: "Une redéfinition de la notion de fonction",

Séminaire d'Epistémologie Comparative, Université de Provence, Aix-en-Provence, 1995: "Une introduction à la théorie catégorielle de la démonstration",

Seminar for Mathematical Logic Amsterdam-Utrecht, Universiteit Utrecht, 1995: "Equality in linear logic",

Département de Mathématiques, Université Claude Bernard, Lyon, 1996: "Modèles de Kripke rudimentaires",

Laboratoire de Recherche en Informatique, Robotique et Microélectronique de Montpellier, Université de Montpellier II, 1996: "Complétude déductive",

Wilhelm-Schickard-Institut, Universität Tübingen, 1997: "Categorical proof theory", 8 lectures,

Seminar for Epistemology, Institute of Physics, University of Belgrade, 1999: „Philosophy of mathematics and philosophy of science” (in Serbian),

Seminar for Epistemology, Institute of Physics, University of Belgrade, 2000: „Alternative logics” (in Serbian),

Department of Mathematics, University of Athens, 2001: "Categories and their interpretation", 5 lectures,

Mathematical Gymnasium, Belgrade, 2006: „Ordered pair” (in Serbian),

Seminar for Epistemology, Institute of Physics, University of Belgrade, 2006: „Gödel's incompleteness theorems” (in Serbian),

École Polytechnique, LIX, Paris, 2008: "Théorie catégorielle de la démonstration",

École Normale Supérieure, rue d'Ulm, Séminaire *Prélude*, Paris, 2008: "Réseaux de preuves et catégories",

Wilhelm-Schickard-Institut (Fachbereich Informatik), Universität Tübingen, 2015: "General proof theory", "Adjunction, conjunction and product",

Montenegrine Academy of Sciences and Arts, Podgorica, 2016: „Proof theory in the new century” (in Serbian),

Faculty of Philosophy, University of Montenegro, Nikšić, 2016: „Modesty as an intellectual virtue” (in Serbian),

Seminar for Constructive Mathematics, University of Niš, 2016: „General proof theory and categorical proof theory” (in Serbian),

Wilhelm-Schickard-Institut (Fachbereich Informatik), Universität Tübingen, 2016: "Isomorphism in intensional logic",

Ilija M. Kolarac Endowment, Belgrade, 2016: „Logic in the Serbian culture” (in Serbian).



*Talks given at „Institut de Recherche en Informatique de Toulouse, Université de Toulouse III”*

- 1992: “Modèles pour les logiques substructurelles”
- 1992: “Modèles de Kripke rudimentaires”
- 1992: “Traductions modales dans les logiques substructurelles”
- 1992: “Que sont les logiques substructurelles?”
- 1992: “Le calcul de Lambek”
- 1994: “Adjoints appliqués”
- 1996: “Complétude déductive”

*Talks given at the Mathematical Institute SANU in Belgrade (in Serbian)*

- 1981: „Higher-order sequents”
- 1981: „Double negation translations in relevant logic”
- 1982: „Intuitionistic modal logic”
- 1982: „Intuitionism and proof theory”
- 1983: „Hilbert’s second problem”
- 1983: „Gentzen’s proof of the consistency of arithmetic”
- 1983: „Lambek’s calculus”
- 1984: „Conservativeness and uniqueness”
- 1985: „Interpolation and definability”
- 1985: „What is the subject of logic?”
- 1986: „Sequent systems for modal logic”
- 1986: „Combinators and higher-order logic”
- 1987: „Grzegorzcyk algebras”
- 1988: „Categories for logicians”
- 1989: „Natural deduction”
- 1989: „A generalization of Kripke models”
- 1991: „What are substructural logics?”
- 1994: „The notion of consequence in substructural logics”
- 1994: „Deductive completeness in substructural logics”
- 1995: „W and K”
- 1995: „Isomorphic formulae”
- 1996: „Deduction theorem in categorical proof theory”
- 1996: „Deductive systems and categories”
- 1997: „Adjunction”
- 1998: „Syntactic methods in category theory”
- 1998: „Historical and philosophical roots of proof theory”
- 1998: „Diagram elimination in category theory”
- 1999: „Adjoint tangles”
- 1999: „Categories of ribbons”
- 1999: „Substructural equality”
- 2000: „Knots and logic”
- 2000: „Remarks on linear logic”
- 2001: „Functional completeness in cartesian categories”
- 2001: „Bicartesian coherence”
- 2001: „Proofs and provability”
- 2002: „Normalization and generality”
- 2004: „Simplicial endomorphisms”

2006: „Gödel and proof theory”  
 2007: „Medial commutativity”  
 2008: „Coherence and Frobenius algebras”  
 2008: „Introduction to category theory”  
 2009: „Gentzen’s centennial”  
 2009: „Adjoint functors”  
 2009: „Bicentennial of Došenović’s *Čislenica*”  
 2009: „Categorification of conjunction and disjunction”  
 2010: „Hypergraph polytopes”  
 2011: „Logical constants I and II”  
 2012: „Lecture dedicated to Michael Dummett”  
 2012: „The inevitable death of journals”  
 2012: „Theory of deduction”  
 2012: „Lecture dedicated to Vladeta Vučković”  
 2012: „A couple of semantical dogmas”  
 2013: „Categorical and hypothetical in proof theory”  
 2013: „Composition, calculation and great problems”  
 2014: „Explanation in analysis”  
 2014: „Lambek’s contributions to logic”  
 2014: „Deductive completeness”  
 2016: „The usefulness of the useless”  
 2016: „Deductive systems and categories: After half of the century and after twenty years”  
 2017: „Logic lectures: Gödel’s basic logic course at Notre Dame”

*Talks given at the Faculty of Mathematics, University of Belgrade (in Serbian)*

2001: „Problems of coherence in categories”  
 2005: „Associativity as commutativity”  
 2012: „Planarity criterion for graphs”

*Talks given at the Faculty of Philosophy, University of Belgrade (in Serbian)*

2007: „General proof theory”  
 2014: „Logic in Serbia”  
 2015: „What are seminars for?”

*Fellowships*

University of Oxford, British Council, 1978/79  
 Universität Konstanz, Scientific fund of Serbia, November -  
 December 1984  
 Zentrum Philosophie und Wissenschaftstheorie, Universität Konstanz,  
 Alexander von Humboldt Stiftung, November 1989-November 1990  
 Institut de Recherche en Informatique de Toulouse, Université de Toulouse  
 III, Tempus, April - June 1992

*Reviews author*      Mathematical Reviews, 1984-1997

*Member of editorial boards:*

Notre Dame Journal of Formal Logic, 1991-2017  
Studia Logica, 1993-1997  
Publishing board, Faculty of Mathematics, Belgrade, 1988

*Reviewer for scientific journals:*

Annals of Pure and Applied Logic  
Bulletin of the Section of Logic  
Dialectica  
Journal of Logic and Computation  
Journal of Logic, Language and Information  
Journal of Philosophical Logic  
The Journal of Symbolic Logic  
Mathematical Logic Quarterly  
Mathematical Structures in Computer Science  
Notre Dame Journal of Formal Logic  
Publications de l'Institut Mathématique  
Reports on Mathematical Logic  
Studia Logica  
Zeitschrift für mathematische Logik und Grundlagen der Mathematik

*Reviewer for the publishing house*    Oxford University Press

*Member of program committees for the conferences:*

Third Logical Biennial, Kleene '90, Chaika 1990  
Conference on Logics with Restricted Structural Rules, Tübingen 1990  
The Third Barcelona Logic Meeting, Barcelona 1997  
Fifth Panhellenic Logic Symposium, Athens 2005  
The Relevance of Logic (in Serbian), Belgrade 2005.  
Sixth Panhellenic Logic Symposium, Volos 2007  
Fourteenth Congress of Logic, Methodology and Philosophy of Science,  
Nancy 2011  
Twenty Third World Congress of Philosophy (Chairman of the Section of  
Logic), Athens 2013  
Logica 2013, Hejnice 2013  
Symposium on Proof Theory, Belgrade 2015

*Member of professional associations:*

Association for Symbolic Logic, 1982-2017  
Logic Society, 1996-2017

*Other professional activities:*

- chairman of Logic seminar, Mathematical institute SANU, Belgrade, 1985-1989, 2001-2011
- chairman of Seminar for general proof theory, Mathematical institute SANU, Belgrade, 2011-2017
- chairman of the study group for quantum groups, Belgrade, 1999-2000
- coordinator of the European project Tempus JEP 1941-91, 1991/92
- member of the doctoral theses committees (University of Belgrade 1984, 1989, 1997, 2001, 2008, 2011, University of Novi Sad 1993, Université d'Aix-Marseille 1992, Université de Toulouse III 1996, Université de Grenoble I 1997, Université de Montpellier II 1999)
- chairman of the scientific project «Representation of proofs with applications, classification of structures and infinitary combinatorics», Ministry of science, technology and development of Serbia, 2002-2005
- president of the Logic society, Belgrade, 2015-2016  
(<https://drustvoalogiku.wordpress.com>)

*Fields of research:*

proof theory, category theory, substructural logics, modal logic, philosophy of logic, history of logic

## SCIENTIFIC PUBLICATIONS

### *Books*

- 1) *Hilbert's problems and logic* (in Serbian) (co-authors: Zoran Marković and Žarko Mijajlović), Matematička biblioteka 48, Zavod za udžbenike i nastavna sredstva, Beograd, 1986, 168 pp. (reviewed in *Mathematical Reviews* 87i:03001; *Zentralblatt* 636.03001; *The Journal of Symbolic Logic* 52(1987), pp. 1049-1050)
- 2) *Cut Elimination in Categories*, Trends in Logic 6, Kluwer, Dordrecht, 1999, xii+229 pp. (reviewed in *Mathematical Reviews* 2003e:18001; *Zentralblatt* 981.03068)
- 3) *Proof-Theoretical Coherence* (co-author: Zoran Petrić), Studies in Logic 1, King's College Publications (College Publications), London, 2004, xiv+369 pp. (electronic version: <http://www.mi.sanu.ac.rs/~kosta/coh.pdf>)
- 4) *Proof-Net Categories* (co-author: Zoran Petrić), Polimetrica, Monza, 2007, viii+147 pp. (electronic version: <http://www.mi.sanu.ac.rs/~kosta/pn.pdf>) (reviewed in *The Bulletin of Symbolic Logic* 14(2008), pp. 268-271)
- 5) *Graphs for Juncture* (co-author: Zoran Petrić), preprint, August 2012, viii+128 pp. (arxiv: 1505. 00952; <http://www.mi.sanu.ac.rs/~kosta/jun.pdf>)
- 6) *Basic logic* (in Serbian), preprint, June 2013, 115 pp. (<http://www.mi.sanu.ac.rs/~kosta/Osnovna%20logika.pdf>)

### *Doctoral Thesis*

*Logical Constants: An Essay in Proof Theory*, University of Oxford, 1980 (see: <http://www.mi.sanu.ac.rs/~kosta/publications.htm>)

### *Text Editor*

*Logic Lectures: Gödel's Basic Logic Course at Notre Dame* (co-editor: Miloš Adžić), Logical Society, Belgrade, 2017, xxiv+278 pp. (electronic: April 2017, <http://www.mi.sanu.ac.rs/~kosta/LogicLecturesNotreDame.pdf>, arxiv:1705.02601, <https://hal.archives-ouvertes.fr/hal-01517931>)

### *Papers*

- 1) A note on the law of identity and the converse Parry property, *Notre Dame Journal of Formal Logic* 19(1978), pp. 174-176 (reviewed in *Mathematical Reviews* 58#167; *Zentralblatt* 368.02027)

- 2) A reduction of classical propositional logic to the conjunction-negation fragment of an intuitionistic relevant logic, *Journal of Philosophical Logic* 10(1981), pp. 399-408 (reviewed in *Mathematical Reviews* 83b:03017; *Zentralblatt* 473.03008)
- 3) Minimal modal systems in which Heyting and classical logic can be embedded, *Publications de l'Institut Mathématique (N.S.)* 30(44) (1981), pp. 41-52 (reviewed in *Mathematical Reviews* 84c:03034; *Zentralblatt* 494.03008)
- 4) Axiomatizations of intuitionistic double negation (co-author: Milan Božić), *Polish Academy of Sciences, Bulletin of the Section of Logic* 12(1983), pp. 99-104 (reviewed in *Mathematical Reviews* 90g:03015; *Zentralblatt* 542.03007)
- 5) Models for normal intuitionistic modal logics (co-author: Milan Božić), *Studia Logica* 43(1984), pp. 217-245 (reviewed in *Mathematical Reviews* 86h:03020; *Zentralblatt* 634.03014)
- 6) Negative modal operators in intuitionistic logic, *Publications de l'Institut Mathématique (N.S.)* 35(49) (1984), pp. 3-14 (reviewed in *Mathematical Reviews* 87c:03030; *Zentralblatt* 555.03011)
- 7) Intuitionistic double negation as a necessity operator, *Publications de l'Institut Mathématique (N.S.)* 35(49) (1984), pp. 15-20 (reviewed in *Mathematical Reviews* 87d:03041a; *Zentralblatt* 555.03012)
- 8) An intuitionistic Sheffer function, *Notre Dame Journal of Formal Logic* 26(1985), pp. 479-482 (reviewed in *Mathematical Reviews* 87b:03020; *Zentralblatt* 589.03002)
- 9) Sequent-systems for modal logic, *The Journal of Symbolic Logic* 50(1985), pp. 149-168 (reviewed in *Mathematical Reviews* 87b:03033; *Zentralblatt* 562.03009)
- 10) A completeness theorem for the Lambek calculus of syntactic categories, *Zeitschrift für mathematische Logik und Grundlagen der Mathematik* 31(1985), pp. 235-241 (reviewed in *Mathematical Reviews* 87c:03015; *Zentralblatt* 547.03027, 564.03029)
- 11) Models for stronger normal intuitionistic modal logics, *Studia Logica* 44(1985), pp. 39- 70 (reviewed in *Mathematical Reviews* 87d:03042; *Zentralblatt* 634.03015)
- 12) Conservativeness and uniqueness (co-author: Peter Schroeder-Heister), *Theoria* 51(1985), pp. 159-173 (Errata, *Theoria* 52(1986), p.127; reviewed in *Mathematical Reviews* 88d:03061; *Zentralblatt* 611.03011)
- 13) Negation as a modal operator, *Reports on Mathematical Logic* 20(1986), pp. 15-27 (reviewed in *Mathematical Reviews* 88c:03024; *Zentralblatt* 626.03006)
- 14) Higher-level sequent-systems for intuitionistic modal logic, *Publications de l'Institut Mathématique (N.S.)* 39(53) (1986), pp. 3-12 (reviewed in *Mathematical Reviews* 88c:03023; *Zentralblatt* 597.03011, 586.03014)
- 15) Modal translations and intuitionistic double negation, *Logique et Analyse (N.S.)* 29(1986), pp. 81-94 (reviewed in *Mathematical Reviews* 88c:0 3022; *Zentralblatt* 607.03006)

- 16) Negation and impossibility, in: J. Perzanowski ed., *Essays on Philosophy and Logic*, Jagiellonian University Press, Cracow, 1987, pp. 85-91 (reviewed in *Mathematical Reviews* 88j:03002; *Zentralblatt* 651.03003)
- 17) A note on Gentzen's decision procedure for intuitionistic propositional logic, *Zeitschrift für mathematische Logik und Grundlagen der Mathematik* 33(1987), pp. 453-456 (reviewed in *Mathematical Reviews* 89f:03053; *Zentralblatt* 612.03010)
- 18) Modal duality theory, in: Z. Stojaković ed., *Proceedings of the Conference "Algebra and Logic"*, Cetinje 1986, University of Novi Sad, Novi Sad, 1987, pp. 73-88 (reviewed in *Mathematical Reviews* 89e:03114; *Zentralblatt* 641.03016)
- 19) Second-order logic without variables, in: W. Buszkowski, W. Marciszewski and J. van Benthem eds, *Categorical Grammar*, Benjamins, Amsterdam, 1988, pp. 245-264 (reviewed in *Mathematical Reviews* 91b:03018; *Zentralblatt* 694.03008)
- 20) Uniqueness, definability and interpolation (co-author: Peter Schroeder-Heister), *The Journal of Symbolic Logic* 53(1988), pp. 554-570 (reviewed in *Mathematical Reviews* 89i:03058; *Zentralblatt* 651.03026)
- 21) Sequent-systems and groupoid models I, *Studia Logica* 47(1988), pp. 353-385 (reviewed in *Mathematical Reviews* 90g:03029; *Zentralblatt* 671.03018)
- 22) Sequent-systems and groupoid models II, *Studia Logica* 48(1989), pp. 41-65 (reviewed in *Mathematical Reviews* 91e:03026; *Zentralblatt* 688.03012)
- 22a) Addenda and corrigenda to "Sequent-systems and groupoid models", *Studia Logica* 49(1990), p. 614 (reviewed in *Mathematical Reviews* 92d:03015)
- 23) Logical constants as punctuation marks, *Notre Dame Journal of Formal Logic* 30(1989), pp. 362-381; reprinted in a slightly amended version in: D.M. Gabbay ed., *What is a Logical System?*, Oxford University Press, Oxford, 1994, pp. 273-296 (reviewed in *Mathematical Reviews* 91m:030 57; *Zentralblatt* 692.03003, 827.03002; *The Journal of Symbolic Logic* 61(1996), p. 1399; *Studia Logica* 61(1998), pp. 302-303)
- 24) Duality between modal algebras and neighbourhood frames, *Studia Logica* 48(1989), pp. 219-234 (reviewed in *Mathematical Reviews* 91f:03030; *Zentralblatt* 685.03013)
- 25) Normal modal logics in which the Heyting propositional calculus can be embedded, in: P.P. Petkov ed., *Mathematical Logic*, Plenum, New York, 1990, pp. 281-291 (reviewed in *Mathematical Reviews* 92e:03020; *Zentralblatt* 784.03015)
- 26) Modal translations of Heyting and Peano arithmetic, *Publications de l'Institut Mathématique (N.S.)* 47(61) (1990), pp. 13-23 (reviewed in *Mathematical Reviews* 92f:03014; *Zentralblatt* 726.03009)

- 27) Rudimentary Beth models and conditionally rudimentary Kripke models for the Heyting propositional calculus, *Journal of Logic and Computation* 1(1991), pp. 613-634 (reviewed in *Mathematical Reviews* 94a:03008; *Zentralblatt* 754.03007)
- 28) Ancestral Kripke models and nonhereditary Kripke models for the Heyting propositional calculus, *Notre Dame Journal of Formal Logic* 32(1991), pp. 580-597 (reviewed in *Mathematical Reviews* 93b:03012; *Zentralblatt* 754.03008)
- 29) Nonmodal classical linear predicate logic is a fragment of intuitionistic linear logic, *Theoretical Computer Science* 102(1992), pp. 207-214 (reviewed in *Mathematical Reviews* 94e:03063; *Zentralblatt* 762.03005)
- 30) Modal translations in substructural logics, *Journal of Philosophical Logic* 21(1992), pp. 283-336 (reviewed in *Mathematical Reviews* 93i:03033; *Zentralblatt* 765.03009)
- 31) The first axiomatization of relevant logic, *Journal of Philosophical Logic* 21(1992), pp. 339-356 (reviewed in *Mathematical Reviews* 93i:03028; *Zentralblatt* 767.03009)
- 32) A brief survey of frames for the Lambek calculus, *Zeitschrift für mathematische Logik und Grundlagen der Mathematik* 38(1992), pp. 179-187 (reviewed in *Mathematical Reviews* 95d:03043; *Zentralblatt* 793.03025)
- 33) Modal logic as metalogic, *Journal of Logic, Language and Information* 1(1992), pp. 173-201 (reviewed in *Mathematical Reviews* 95h:03036; *Zentralblatt* 793.03011)
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2) Modal duality theory (in Serbian), *Fifth conference "Algebra and logic"*, Cetinje, June 1986 (v. Paper 18)

3) Rudimentary Kripke models for the Heyting propositional calculus, *Logic Colloquium '89*, Berlin, July 1989 (v. Paper 34, 27)

- 4) Rudimentary Kripke models, *SNS Logic Colloquium*, Tübingen, March 1990 (v. Paper 33, 27)
- 5) Modal logic as metalogic, *3rd Logical Biennial, Summer School and Conference in Honour of S.C. Kleene*, Chaika, June 1990 (v. Paper 33)
- 6) Metalogic, *Workshop on Categorical Grammar, Linear Logic and Related Topics*, Munich, July 1990 (v. Paper 33)
- 7) Modality in substructural logics (one-week course), *3rd European Summer School in Logic, Language and Information*, Saarbrücken, August 1991 (v. Paper 33, 30)
- 8) Kripke-style models for substructural logics, *3rd Workshop „Logic and Computer Science Around the 42nd Parallel”*, Luminy, June 1992 (v. Paper 32, 36)
- 9) An introduction to substructural logics, *Logic Colloquium '93*, Keele, July 1993 (v. Paper 36)
- 10) Modal functional completeness, *Proof Theory of Modal Logic*, Hamburg, November 1993 (v. Paper 39)
- 11) Functional completeness in substructural categories, *Meeting on Mathematical Logic*, Barcelona, January 1994
- 12) Substructural logics, *MEDLAR Workshop*, Toulouse, February 1994
- 13) Logical consequence: A turn in style, *10th International Congress of Logic, Methodology and Philosophy of Science*, Florence, August 1995 (v. Paper 41)
- 14) Deductive completeness in substructural logics, *COST Conference on Many-Valued Logics in Computer Science*, Lyon, November 1995
- 15) Deductive completeness, *11th Brazilian Logic Conference*, Salvador (Bahia), May 1996 (v. Paper 40)
- 16) Deductive systems and categories (in Serbian), *Symposium celebrating fiftieth anniversary of the Mathematical Institute*, Belgrade, December 1996. (v. Paper 45)
- 17) Logical constants and adjunction, Cut elimination in adjunction, *First VIEW Workshop of the Paulus Venetus Group*, Padua, April 1998
- 18) Models of proofs, *Proof-Theoretic Semantics*, Tübingen, January 1999 (v. Paper 68)
- 19) Set-theoretical axioms, lambda conversion and the deduction theorem (in Serbian), *Tenth congress of Yugoslav mathematicians*, Belgrade, January 2001 (v. Paper 58)
- 20) Conjunction and disjunction in categories, *Proof Theory in Computer Science*, Dagstuhl Castle, October 2001 (v. Paper 57)

- 21) Identity of proofs, *Logic Colloquium 2002*, Münster, August 2002 (v. Paper 65)
- 22) Coherence in categories and logic, *Eleventh congress of mathematicians of Serbia and Montenegro*, Petrovac na Moru, September 2004
- 23) Coherence in general proof theory, *Universal Logic*, Montreux, March 2005
- 24) Modal logic and Frobenius algebras, *Advances in Constructive Topology and Logical Foundations*, Padua, October 2008 (v. Paper 82, 89)
- 25) Perspectives in general proof theory, *Logica 2010*, Hejnice, June 2010 (v. Paper 84)
- 26) Logical constants and adjunction, *Workshop on Logical Constants, ESSLLI 2011*, Ljubljana, August 2011
- 27) Invariants for classification of propositional formulae (together with Zoran Petrić), *Workshop "Cross Perspectives on Proof Systems and their Significance"*, Paris, May 2012
- 28) The main question of general proof theory, *Workshop on Proof Theory*, Pisa, June 2012
- 29) Inferential semantics, *Workshop "Dag Prawitz on Proofs and Meaning"*, Bochum, September 2012 (v. Paper 93)
- 30) Two ways of general proof theory, *Second Conference on Proof-Theoretic Semantics*, Tübingen, March 2013 (v. Paper 96)
- 31) Algebras of deduction in category theory (in Serbian), *Third mathematical conference of the Republic of Srpska*, Trebinje, Jun 2013 (v. Paper 92)
- 32) Intuitionistic logic in categorial proof theory, *Constructive Mathematics: Foundations and Practice*, Niš, June 2013
- 33) Proof theory and deduction theory, *Proof*, Bern, September 2013
- 34) An introduction to deduction, *Conference on Hypothetical Reasoning*, Tübingen, August 2014 (v. Paper 96)
- 35) On exactitude, *Second Belgrade Graduate Conference in Philosophy and Logic*, Belgrade, April 2015
- 36) Lambek's proof theory, *The Legacy of Joachim Lambek, 15th Congress of Logic, Methodology and Philosophy of Science*, Helsinki, August 2015
- 37) Adjunction and normalization in categories of logic, *General Proof Theory: Celebrating 50 Years of Dag Prawitz's "Natural Deduction"*, Tübingen, November 2015 (v. Abstract 14)
- 38) Gödel on deduction, *Inferences and Proofs*, Marseille, May 2016 (v. Paper 99, 101, 102)

- 39) Raidemester for serpentines (in Serbian), *Thirty years of KGTA*, Belgrade, December, 2016
- 40) Deductive systems and categories in logic and beyond (by title), *Beyond Logic*, Cerisy, May 2017 (v. abstract 16)
- 41) Should the *explicans* be simpler than the *explicandum*? (by title), *Proof Theory as Mathesis Universalis*, Lovenno di Menaggio (Como), July 2017

#### *Contributed Papers at Conferences*

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- 2) Minimal modal systems in which Heyting and classical logic can be embedded, *7th International Congress of Logic, Methodology and Philosophy of Science*, Salzburg, July 1983 (v. Paper 3)
- 3) Intuitionistic Scheffer function (in Serbian), Fourth Conference “Algebra and logic”, Zagreb, June 1984 (v. Paper 8)
- 4) Modal translations and intuitionistic double negation (by title), *Logic Colloquium '84*, Manchester, July 1984 (v. Paper 15)
- 5) Weak propositional logics, *Logic Colloquium '85*, Paris, July 1985 (v. Paper 21, 22)
- 6) A general interpolation and definability theorem (co-author: Peter Schroeder-Heister), *Logic Colloquium '85*, Paris, July 1985 (v. Paper 20)
- 7) Higher-level sequent-systems for intuitionistic modal logic (by title), *Logic Colloquium '86*, Hull, July 1986 (v. Paper 14)
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- 15) Prospects in proof theory, *International Congress MASSEE 2003*, Borovets, September 2003
- 16) Coherence and confluence (co-author: Zoran Petrić), *TYPES 2004*, Jouy-en-Josas, December 2004 (v. Paper 74)
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