Igor Sedlár

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7th October 2024

Personal Information

Born: 1 April 1983 in Šal'a, Slovakia; Nationality: Slovak.

Research Focus

Epistemic logic; Logics of programs; Knowledge representation; Substructural logic.

Current Positions

- (since 2018) Researcher, Institute of Computer Science of the Czech Academy of Sciences (Prague, The Czech Republic), Department of Theoretical Computer Science (tenured since 2023)
- (since 2016) Researcher, Institute of Philosophy of the Czech Academy of Sciences (Prague, The Czech Republic), Department of Logic (part-time).

Previous Positions

- (2016–2018) Postdoctoral Researcher, Institute of Computer Science of the Czech Academy of Sciences (Prague, The Czech Republic), Department of Theoretical Computer Science
- (2011–2016) Researcher, Institute of Philosophy of the Slovak Academy of Sciences (Bratislava, Slovakia), Department of Analytic Philosophy (part-time)
- (2009–2016) Assistant professor, Faculty of Arts of the Comenius University in Bratislava (Bratislava, Slovakia), Department of Logic and Methodology of Science

Education

- (2009) PhD. in Philosophy, Faculty of Arts of the Comenius University in Bratislava, Slovakia (thesis "Implication and Meaning Connection" supervised by Dr. Ján Szomolányi);
- (2006) Mgr. in Philosophy (equivalent to M.A.), Faculty of Arts of the Comenius University in Bratislava, Slovakia (thesis "Analyticity" supervised by Prof. Marián Zouhar).

Research Stays

- Research Institute for Mathematical Sciences, Kyoto University, Japan (September 2017);
- School of Computer Science, Tel Aviv University, Israel (March 2017);
- Munich Center for Mathematical Philosophy, LMU Munich, Germany (October – November 2013);
- Department of Logic, Charles University (February – April 2007).

Projects and Grants

Principal investigator (grant recipient):

- *GRADLACT: Graded Logics of Action* (Czech Science Foundation, Standard grant, 01/2022 – 12/2024)
- *Substructural Modal Logics for Knowledge Representation* (Czech Academy of Sciences, Mobility Plus Project, 01/2020 – 12/2022)
- *Internationalization of the Institute of Computer Science CAS* (Czech Ministry of Education, Youth and Sports within the Operational Programme Research, Development, Education – co-funded by the EU, 2021 – 2023)
- *NOCLID: Non-classical Logical Models of Information Dynamics* (Czech Science Foundation, Junior grant, 01/2018 – 06/2021)
- *Reasoning with Incomplete and Inconsistent Information* (Czech Academy of Sciences, Mobility Project, 2017).
- Comenius University Grant for Junior Researchers (2008, 2009, 2011)

Project team member:

- *Coalition and Epistemic Logic: An Intensional Approach to Groups (CELIA)* (Czech Science Foundation and German Science Foundation, Lead Agency Project, principal investigators Marta Bílková, Ondrej Majer and Olivier Roy, 2022–2025)
- *Modalities in Substructural Logics: Theory, Methods and Applications (MOSAIC)* (European Union, Horizon 2020-MSCA-RISE-2020: Research and Innovation Staff Exchange, principal investigator Tommaso Flaminio (Barcelona), 2021–2025)
- *MeTaSuMo: Metamathematics of Substructural Modal Logics* (Czech Academy of Sciences, Standard Grant, principal investigator Petr Cintula, 2022–2024)
- *SYSMICS: Syntax Meets Semantics* (European Union, Horizon 2020 RISE Project, 2017–2018)
- *SEGA: From Shared Evidence to Group Attitudes* (Czech Science Foundation and German Science Foundation, Lead Agency Project, principal investigators Marta Bílková, Ondrej Majer and Olivier Roy, 2016–2018)
- *CE-ITI: Center of Excellence - Institute of Theoretical Computer Science* (Czech Science Foundation, Center of Excellence, 2016–2018)
- *Nonclassical Mathematics Based on Fuzzy, Paraconsistent and Substructural Logics* (Japanese Society for the Promotion of Science and the Czech Academy of Sciences. Bilateral project, 2016–2018).

Awards, scholarships and recognition

Awards

- Best paper award at the 10th Int. Conference on Non-Classical Logics: Theory and Applications 2022 for the paper "Routley Star in Information-Based Semantics" co-authored with Vít Punčochář

Invited talks

- Dynamic Logic: New Trends and Applications 2023 ("Kleene algebras for weighted programs")

Scholarships and fellowships

- Visiting Fellowship at the Munich Center for Mathematical Philosophy
- Scholarship of the Jan Hus Educational Foundation (2010)
- Scholarship of the National Scholarship Programme of the Slovak Republic (2007)

Professional Service

Conference Committees

- Steering Committee member: Advances in Modal Logic (2023–2025); Dynamic Logic: New Trends and Applications (2020–2024).
- Program Committee (Co-)Chair: Dynamic Logic: New Trends and Applications 2020; Logica (since 2018).
- Program Committee member: International Tbilisi Symposium on Logic, Language and Computation (2025); Advances in Modal Logic (2022, 2024); Workshop on Logic, Language, Information and Computation (2024); International Workshop on Reconfigurable Transition Systems: Semantics, Logics and Applications (2024); Dynamic Logic: New Trends and Applications (2022, 2023), WOMoCoE (2018), Poznan Reasoning Week (2018).
- Organising Committee (Co-)Chair: Advances in Modal Logic (2024); Logica (since 2018); Dynamic Logic: New Trends and Applications (2020).
- Organising Committee Member: Relational and Algebraic Methods in Computer Science (2024), Prague Gathering of Logicians 2019; Prague Gathering of Logicians 2018 & Beauty of Logic 2018; Topology, Algebra and Categories in Logic (2017).

Boards and administration

- Board of the Institute of Computer Science CAS (internal member, 2022–2026)
- Deputy head of the Department of Theoretical Computer Science, Institute of Computer Science CAS (since 2022)
- Studia Logica (Advisory Board member, 2024–2026)
- Studia Logica (Associate Editor, 2021–2023)

Reviewing

- *Journal reviewer:* Annals of Pure and Applied Logic; Filosofický časopis; Filozofia; Fuzzy Sets and Systems; Journal of Logical and Algebraic Methods in Programming; Journal of Logic and Computation; Journal of Logic, Language and Information; Journal of Philosophical Logic; Logic Journal of the IGPL; Logique et Analyse; Miscellanea Logica; Notre Dame Journal of Formal Logic; Organon F; Philosophical Quarterly; Philosophical Studies; Review of Symbolic Logic; Soft Computing; Studia Logica; Synthese; Theoria.
- *Conference sub-reviewer:* TACL 2024; ICALP 2024; TABLEAUX 2021; RAMiCS 2021; AiML 2018; ISMVL 2018; PhDs in Logic 2018.
- *Monograph reviewing:* Trends in Logic (Springer).
- *Reviewer of papers in edited volumes:* Outstanding Contributions to Logic – Alasdair Urquhart (Springer, 2022).
- *Grant application reviewer:* Charles University Grant Agency; Leverhulme Foundation; VEGA – Slovak Grant Agency.
- *Other:* Reviewer for the Research, Development and Innovation Council of the Czech Republic ("Metodika 17+")

Publications

[72] I. Sedlár, P. Vigiani: Epistemic Logics for Relevant Reasoners. *Journal of Philosophical Logic*, 53, 1383–1411, 2024. DOI: 10.1007/s10992-024-09770-7

[71] A. Ciabattoni, D. Gabelaia, I. Sedlár (Eds.): *Advances in Modal Logic, Volume 15.* College Publications, 2024.

[70] I. Sedlár: Implicational Kleene Algebra With Domain and the Substructural Logic of Partial Correctness. To appear in *Mathematical Structures in Computer Science.* DOI: 10.1017/S0960129524000045

[69] I. Sedlár, P. Vigiani: Explicit and Implicit Belief in First Degree Entailment With Strict Implication. To appear in: I. Sedlár, S. Standefer, A. Tedder (Eds.): *New Directions in Relevant Logic.* Springer, 2024.

[68] I. Sedlár, M. Pascucci: Hyperintensional Models for Non-congruential Modal Logics. To appear in the *Logic Journal of the IGPL.* DOI: 10.1093/jigpal/jzad018

[67] I. Sedlár: Kleene Algebra of Weighted Programs With Domain. In: N. Gierasimczuk, F.R. Velázquez-Quesada (Eds.): *Dynamic Logic. New Trends and Applications (DaLí 2023)*, pp. 52–67. Lecture Notes in Computer Science, volume 14401. Cham: Springer, 2024. DOI: 10.1007/978-3-031-51777-8_4

[66] O. Majer, V. Punčochář, I. Sedlár: Truth-maker semantics for some substructural logics. In: F. Faroldi and F. Van De Putte (Eds.): *Kit Fine on Truthmakers, Relevance, and Non-classical Logic*, pp. 207–222. Cham: Springer, 2023. DOI: 10.1007/978-3-031-29415-0_11

[65] H. van Ditmarsch, M. Liu, L. Kuijer, I. Sedlár: Almost APAL. *Journal of Logic and Computation*, 33(6), 1350-1378, 2023. DOI: 10.1093/logcom/exac012

[64] I. Sedlár, P. Vigiani: Relevant Reasoning and Implicit Beliefs. In: H. H. Hansen, A. Scedrov, R. J. de Queiroz (Eds.): *Logic, Language, Information, and Computation (WoLLIC 2023)*, pp. 336–350. Lecture Notes in Computer Science, vol. 13923. Cham: Springer, 2023. DOI: 10.1007/978-3-031-39784-4_21

[63] M. Bílková, I. Sedlár: Epistemic Logics of Structured Intensional Groups. In: R. Verbrugge (Ed.): *Proc. Ninetheenth Conference on Theoretical Aspects of Rationality and Knowledge (TARK 2023)*, Oxford, United Kingdom, 28–30th June 2023, Electronic Proceedings in Theoretical Computer Science 379, pp. 113–130. DOI: 10.4204/EPTCS.379.11

[62] I. Sedlár: Kleene Algebra With Tests for Weighted Programs. In: *53rd IEEE International Symposium on Multiple-Valued Logic (ISMVL)*, pp. 111–116. IEEE, 2023. DOI: 10.1109/ISMVL57333.2023.00031

[61] I. Sedlár: On the Complexity of Kleene Algebra with Domain. In: R. Glück, L. Santocanale, M. Winter (Eds.): *Relational and Algebraic Methods in Computer Science. RAMiCS 2023*, pp. 208–223. Lecture Notes in Computer Science, vol. 13896. Cham: Springer, 2023. DOI: 10.1007/978-3-031-28083-2_13

[60] V. Punčochář, I. Sedlár, A. Tedder: Relevant Epistemic Logic with Public Announcements and Common Knowledge. *Journal of Logic and Computation*, 33(2), 436-461, 2023. DOI: 10.1093/logcom/exac100

[59] I. Sedlár, J. J. Wannenburg: Embedding Kozen-Tiuryn Logic into Residuated One-Sorted Kleene Algebra with Tests. In: A. Ciabattoni, E. Pimentel, R. J. G. B. de Queiroz (Eds.): *Proc. 28th Int. Conference of Logic, Language, Information, and Computation (WoLLIC 2022)*, pp. 221–236. LNCS 13468. Cham: Springer, 2022. DOI: 10.1007/978-3-031-15298-6_14

[58] I. Sedlár, P. Vigiani: Relevant Reasoners in a Classical World. In: D. Fernández-Duque, A. Palmigiano, S. Pinchinat (Eds.): *Proc. 14th Int. Conference on Advances in Modal Logic (AiML 2022)*, pp. 697-718. London: College Publications, 2022.

[57] V. Punčochář, I. Sedlár: Routley Star in Information-Based Semantics. In: Proc. 10th International Conference on Non-classical Logics: Theory and Applications (NCL 2022). Electronic Proceedings in Theoretical Computer Science, vol. 358, pp. 285-297, 2022. DOI: 10.4204/EPTCS.358.21

[56] I. Sedlár: Propositional Dynamic Logic With Quantification Over Regular Computation Sequences. In: S. Artemov, A. Nerode (Eds.): *Proc. International Symposium on Logical Foundations of Computer Science (LFCS 2022)*, pp. 301–315. Cham: Springer, 2022. DOI: 10.1007/978-3-030-93100-1_19 A correction is available at the author's webpage

[55] I. Sedlár, Johann J. Wannenburg: One-Sorted Program Algebras. Technical report, 2022. https://arxiv.org/abs/2205.03311

[54] I. Sedlár (Ed.): *The Logica Yearbook 2021.* London: College Publications, 2022.

[53] L. Estrada-González, A. Giordani, T. Jarmużek, M. Klonowski, I. Sedlár, A. Tedder: Incorporating the Relation into the Language? A Survey of Approaches in Relating Logic. *Logic and Logical Philosophy* 30(4), 711-739, 2021. DOI: 10.12775/LLP.2021.014

[52] V. Punčochář, I. Sedlár: Epistemic extensions of substructural inquisitive logics. *Journal of Logic and Computation* 31(7), 1820-1844, 2021. DOI: 10.1093/logcom/exab008

[51] I. Sedlár: Decidability and Complexity of Some Finitely-valued Dynamic Logics. In: M. Bienvenu, G. Lakemeyer, E. Erdem (Eds.): *Proc. 18th International Conference on Principles of Knowledge Representation and Reasoning (KR 2021)*, pp. 570–580, IJCAI Organization, 2021. DOI: 10.24963/kr.2021/54

[50] V. Punčochář, I. Sedlár: Relevant Epistemic Logic with Public Announcements and Common Knowledge. In: P. Baroni, C. Benzmüller, Y. N. Wáng (Eds.): *Proc. 4th International Conference on Logic and Argumenattion (CLAR 2021).* Lecture Notes in Artificial Intelligence, vol. 13040, pp. 342–361, Cham: Springer, 2021. DOI: 10.1007/978-3-030-89391-0_19

[49] I. Sedlár, A. Tedder: Situated Epistemic Updates. In: S. Ghosh and T. Icard (Eds.): *Proc. 8th International Conference on Logic, Rationality and Interaction (LORI-VIII).* Lecture Notes in Computer Science, vol. 13039, pp. 192–200. Cham: Springer, 2021. DOI: 10.1007/978-3-030-88708-7_16

[48] I. Sedlár, A. Tedder: Lambek Calculus with Conjugates. *Studia Logica* 109, 447–470, 2021. DOI: 10.1007/s11225-020-09913-2

[47] I. Sedlár: Hyperintensional Logics for Everyone. *Synthese* 198, 933–956, 2021. DOI: 10.1007/s11229-018-02076-7

[46] V. Punčochář, I. Sedlár: Inquisitve Propositional Dynamic Logic. *Journal of Logic, Language and Information* 30, 91–116, 2021. DOI: 10.1007/s10849-020-09326-3

[45] M. Blicha, I. Sedlár (Eds.): *The Logica Yearbook 2020.* London: College Publications, 2021.

[44] H. van Ditmarsch, M. Liu, L. B. Kuijer, I. Sedlár: Expressivity of Some Versions of APAL. In: Manuel A. Martins and Igor Sedlár (Eds.): *Dynamic Logic: New Trends and Applications (DaLí 2020).* Lecture Notes in Computer Science, vol. 12569. Cham: Springer, 2020. DOI: 10.1007/978-3-030-65840-3_8

[43] I. Sedlár: Finitely-Valued Propositional Dynamic Logics. In: Nicola Olivetti, Rineke Verbrugge, Sara Negri, Gabriel Sandu (Eds.): *Advances in Modal Logic 13*, pp. 561–579. London: College Publications, 2020. http://www.aiml.net/volumes/volume13/Sedlar.pdf

[42] I. Sedlár: Iterative division in the Distributive Full Non-associative Lambek Calculus. In: Luís Soares Barbosa and Alexandru Baltag (Eds.), Dynamic Logic. New Trends and Applications (DaLí 2019)., pp. 141-154. Lecture Notes in Computer Science, vol. 12005. Cham: Springer, 2020. DOI: 10.1007/978-3-030-38808-9_9

[41] M. A. Martins, I. Sedlár (Eds.): *Dynamic Logic. New Trends and Applications. Third International Workshop, DaLí 2020*, Prague, Czech Republic, October 9–10, 2020, Revised Selected Papers. Lecture Notes in Computer Science, vol. 12569. Cham: Springer, 2020. DOI: 10.1007/978-3-030-65840-3

[40] M. Blicha and I. Sedlár (Eds.): *The Logica Yearbook 2019*. London: College Publications, 2020.

[39] I. Sedlár, K. Šebela: Term Negation in First-Order Logic. Logique et Analyse, 247, 265-284, 2019. DOI: 10.2143/LEA.247.0.3287264

[38] O. Majer, I. Sedlár: Modelling Sources of Inconsistent Information in Paraconsistent Modal Logic. In: H. Omori and H. Wansing (Eds.): *New Essays on Belnap-Dunn Logic*, pp. 293-310. Synthese Library Seres, vol. 418. Cham: Springer, 2019. DOI: 10.1007/978-3-030-31136-0_17

[37] V. Punčochář, I. Sedlár, A. Tedder: First Degree Entailment with Group Attitudes and Information Updates. P. Blackburn, E. Lorini, M. Guo (Eds.): *Logic, Rationality, and Interaction (LORI-VII)*, pp. 273–285. Lecture Notes in Computer Science, vol. 11813. Berlin, Heidelberg: Springer, 2019. DOI: 10.1007/978-3-662-60292-8_20

[36] V. Punčochář, I. Sedlár: From Positive PDL to its Non-Classical Extensions. *Logic Journal of the IGPL*, 27(4), 522–542, 2019. DOI: 10.1093/jigpal/jzz017

[35] I. Sedlár: Substructural Propositional Dynamic Logics. In: R. De Queiroz, R. Iemhoff, M. Moortgat (Eds.): *Logic, Language, Information, and Computation (WoLLIC 2019)*, pp. 594–609. Lecture Notes in Computer Science, vol. 11541. Berlin, Heidelberg: Springer, 2019. DOI: 10.1007/978-3-662-59533-6_36

[34] M. Blicha and I. Sedlár (Eds.): *The Logica Yearbook 2018*. London: College Publications, 2019.

[33] V. Punčochář, I. Sedlár: Substructural Logics for Pooling Information. In: A. Baltag, J. Seligman and T. Yamada (Eds.): *Logic, Rationality, and Interaction (LORI-VI)*, pp. 407–241. Lecture Notes in Computer Science, vol. 10455. Berlin, Heidelberg: Springer, 2017. DOI: 10.1007/978-3-662-55665-8_28

[32] I. Sedlár: Substructural Logics with a Reflexive Transitive Closure Modality. In: J. Kennedy and R. de Queiroz (Eds.): *Logic, Language, Information, and Computation (WoLLIC 2017)*, pp. 349–357. Lecture Notes in Computer Science, vol. 10388. Berlin, Heidelberg: Springer, 2017. DOI: 10.1007/978-3-662-55386-2_25

[31] I. Sedlár: Non-Classical PDL on the Cheap. In: P. Arazim and T. Lávička (Eds.): *The Logica Yearbook 2016*, pp. 239–256. London: College Publications, 2017.

[30] I. Sedlár: Epistemic Extensions of Modal Distributive Substructural Logics. *Journal of Logic and Computation*, 26(6), 1787-1813, 2016. DOI: 10.1093/logcom/exu034

[29] I. Sedlár: Propositional Dynamic Logic with Belnapian Truth Values. In: L. Beklemishev, S. Demri, A. Máté (Eds.): *Advances in Modal Logic 11*, pp. 503–519. London: College Publications, 2016. http://www.aiml.net/volumes/volume11/Sedlar.pdf

[28] I. Sedlár: Substructural Epistemic Logics. *Journal of Applied Non-Classical Logics* 25, 256–285, 2015. DOI: 10.1080/11663081.2015.1094313

[27] I. Sedlár: The Semantics of Empirical Unverifiability. *Organon F*, 22, 358–377, 2015.

[26] I. Sedlár: Action Frames for Weak Relevant Logics. In: P. Arazim and M. Dančák (Eds.): *The Logica Yearbook 2014*, pp. 267–279. London: College Publications, 2015.

[25] I. Sedlár: Relating Logics of Justifications and Evidence. In: V. Punčochář and M. Dančák (Eds.): *The Logica Yearbook 2013*, pp. 207–222. London: College Publications, 2014.

[24] I. Sedlár: Inter-Model Connectives and Substructural Logics. In: R. Ciuni, H. Wansing, C. Willkommen (Eds.): *Recent Trends in Philosophical Logic (Trends in Logic XI)*, pp. 195–209. Trends in Logic, vol. 41. Cham: Springer, 2014. DOI: 10.1007/978-3-319-06080-4_14

[23] I. Sedlár, J. Šefránek: Logic and Cognitive Science. In: V. Kvasnička (Ed.): *Artificial Intelligence and Cognitive Science IV*. Bratislava: STU Press, 2014.

[22] I. Sedlár: Review of 'J. Dejnožka, The Concept of Relevance and the Logic Diagram Tradition'. *Organon F* 21, 126–130, 2014.

[21] I. Sedlár: An Outline of a Substructural Model of BTA-Belief. *Organon F*, 20 (Supplementary Issue 2), 160–170, 2013.

[20] I. Sedlár: Information, Awareness and Substructural Logics. In: Libkin, L., Kohlenbach, U., de Queiroz, R. (Eds.): *Logic, Language, Information, and Computation (WoLLIC 2013)*, pp. 266–281. Lecture Notes in Computer Science, vol. 8071. Berlin, Heidelberg: Springer, 2013. DOI: 10.1007/978-3-642-39992-3_23

[19] I. Sedlár: From Pair Points to Pairs of Models. In: V. Punčochář and P. Švarný (Eds.), *The Logica Yearbook 2012*, pp. 159–169. London: College Publications, 2013.

[18] I. Sedlár: Justifications, Awareness and Epistemic Dynamics. In: S. Artemov and A. Nerode (Eds.): *Logical Foundations of Computer Science (LFCS 2013)*, pp. 307–318. Lecture Notes in Computer Science, vol. 7734. Berlin, Heidelberg: Springer, 2013. DOI: 10.1007/978-3-642-35722-0_22

[17] I. Sedlár: Boxes Are Relevant. In: M. Peliš and V. Punčochář (Eds.): *The Logica Yearbook 2011*, pp. 265–278. London: College Publications, 2012.

[16] I. Sedlár: Neomylnost' a logika. *Organon F*, 19(1), 239–254, 2012.

[15] I. Sedlár: Prirodzená dedukcia, či analytické tably? In: L. Dostálová (Ed.): *Organon VIII: Calculemus*, pp. 53-61. Pilsen: University of Western Bohemia Press, 2012.

[14] I. Sedlár: Moorean Sentences in Update Semantics. *Organon F*, 18(2), 142-153, 2011.

[13] J. Podroužek, I. Sedlár: Logics of Moore's Paradox. In: M. Peliš and V. Punčochář (Eds.): *The Logica Yearbook 2010*, pp. 211–227. London: College Publications, 2011.

[12] I. Sedlár: V čom sa nemôžete mýlit'? *Organon F*, 18(3), 351-362, 2011.

[11] I. Sedlár: Čo dokáže filozof? In: L. Dostálová (Ed.): *Organon VII aneb Nihil Novi*, pp. 23–29. Pilsen: University of Western Bohemia Press, 2011.

[10] J. Podroužek, I. Sedlár: Justification Logic as Dynamic Epistemic Logic? In: X. Arrazola and M. Ponte (Eds.): *Proceedings of the Second ILCLI International Workshop on Logic and Philosophy of Knowledge, Communication, and Action (LogKCA-10)*, pp. 431–442. San Sebastian: The University of the Basque Country Press, 2010.

[9] J. Podroužek, I. Sedlár: A New Notion of Meaning Connection and the Logic of Simple Processes. In: M. Peliš (Ed.), *The Logica Yearbook 2009*, pp. 247–258. London: College Publications, 2010.

[8] P. Ježík, D. Kamhal, I. Sedlár, P. Sýkora: *Saul Kripke a oživenie metafyziky.* Pusté Úl'any: Schola Philosophica, 2010.

[7] J. Podroužek, I. Sedlár: Poznanie, verifikácia a logika jednoduchých procesov. In: M. Zouhar (Ed.), *Kontext a význam.* Bratislava: Aleph, 2010.

[6] I. Sedlár: C. I. Lewis on Possible Worlds. *History and Philosophy of Logic*, 30(3), 283–291, 2009. DOI: 10.1080/01445340902884544

[5] I. Sedlár: Implikácia a tri druhy obsahovej súvislosti. *Filozofia*, 64(4), 339–345, 2009.

[4] J. Podroužek, I. Sedlár: Náčrt logiky jednoduchých procesov. In: P. Sousedík (ed.), *Ozvěny Fregovy filosofie*, pp. 111–123. Bratislava: Filozofický ústav SAV, 2009.

[3] I. Sedlár: Majú mená prirodzených druhov konotáciu? *Filozofia*, 63(4), 297–300, 2008.

[2] I. Sedlár: C. I. Lewis a sémantický prístup k modálnej logike. In: M.Zouhar (Ed.), *Jednotliviny, všeobecniny, významy*, pp. 173–178. Bratislava: Filozofický ústav SAV, 2008.

[1] I. Sedlár: Kant a Frege o analytickosti. *Filozofia*, 62(4), 336–347, 2007.

Teaching and Thesis Supervision

Courses taught:

- *Dynamic Logic.* Faculty of Arts, Charles University (fall 2021, fall 2023)
- *Non-Classical Models of Reasoning.* Faculty of Arts, Charles University (spring 2020 – co-taught with M. Bílková, P. Cintula and A. Tedder)
- *Mathematical Logic.* Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University (fall 2018)
- *Logic in Computer Science.* Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University (spring 2019 – with C. Noguera and A. Vidal)
- *Non-Classical Logics.* Faculty of Arts, Comenius University in Bratislava (2010–2016)
- *Philosophical Logic.* Faculty of Arts, Comenius University in Bratislava (2010–2016)
- *Informal Logic.* Faculty of Arts, Comenius University in Bratislava (2011–2016)

Thesis supervision:

- Pietro Vigiani, Ph.D. Thesis external supervisor, Scuola Normale Superiore di Pisa (2022–2025)
- Jiří Rýdl, M.A. Thesis supervisor (*Algebraic Semantics for Modal Logic*), Faculty of Arts, Charles University (2024)
- Ivana Dragonová, B.A. Thesis supervisor (*Hyperintensional Modal Logic: Motivation, Semantic Frameworks, and Basic Theory*), Faculty of Arts, Charles University (2023)
- Nad'a Kuruczová, B.A. Thesis supervisor (*The Logical Omniscience Problem*), Faculty of Arts, Comenius University in Bratislava (2012)

Thesis committee member:

- Leandro Gomes (Ph.D. Thesis), University of Minho (2022)
- Diana Costa (Ph.D. Thesis), University of Aveiro (2018)
- Júlia Pukancová (Ph.D. Thesis), Comenius University in Bratislava (2018)
- Vít Punčochář (Ph.D. Thesis), Charles University (2016)
- P. Truhlář (M.A. Thesis), Charles University (2018)
- Alexandra Kuncová (M.A. Thesis), Charles University (2016)
- Daniela Glavaničová (M.A. Thesis), Comenius University in Bratislava (2016)
- Martina Pivoňková (M.A. Thesis), Charles University (2012)