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# Igor Sedlár

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## Employment

- 05/2020 – present: Tenure-track researcher, Institute of Computer Science CAS
- 04/2016 – present: Researcher (part-time), Institute of Philosophy CAS
- 06/2016 – 04/2020: Researcher, Institute of Computer Science CAS
- 10/2009 – 08/2016: Postdoctoral researcher, Faculty of Arts, Comenius University in Bratislava
- 01/2011 – 05/2016: Researcher, Institute of Philosophy, Slovak Academy of Sciences

## Research Focus

Non-classical logic; Substructural logic; Modal logic; Dynamic logic.

## Education

- 2009: Ph.D., Philosophy, Comenius University in Bratislava
- 2006: M.A., Philosophy, Comenius University in Bratislava (with distinction)

## Personal Information

Born: 1 April 1983 in Šaľa, Slovakia;  
Nationality: Slovak.

## Recent publications (selection)

- 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.
- V. Punčochář, I. Sedlár: Epistemic extensions of substructural inquisitive logics. *Journal of Logic and Computation* 31(7), 1820–1844, 2021.
- I. Sedlár, A. Tedder: Lambek Calculus with conjugates. *Studia Logica* 109, 447–470, 2021.
- I. Sedlár: Hyperintensional logics for everyone. *Synthese* 198, 933–956, 2021.
- V. Punčochář, I. Sedlár: Inquisitive propositional dynamic logic. *Journal of Logic, Language and Information* 30, 91–116, 2021.
- I. Sedlár: Finitely-valued propositional dynamic logics. In: N. Olivetti, R. Verbrugge, S. Negri, G. Sandu (Eds.), *Advances in Modal Logic* 13, pp. 561–579. College Publications, 2020.
- I. Sedlár, K. Šebela: Term negation in first-order logic. *Logique et Analyse*, 247, 265–284, 2019.
- V. Punčochář, I. Sedlár: From positive PDL to its non-classical extensions. *Logic Journal of the IGPL*, 27, 522–542, 2019.
- I. Sedlár: Substructural propositional dynamic logics. In: R. De Queiroz, R. Iemhoff, M. Mourtgat (Eds.): *Logic, Language, Information, and Computation (WoLLIC 2019)*, pp. 594–609. Springer, 2019.

For the full list of publications, see <http://www.cs.cas.cz/sedlar/papers.html>.

## Grants (Principal investigator/Team leader)

- *GRADLACT: Graded Logics of Action* (01/2022–12/2024) [Czech Science Foundation]
- *Non-classical Logical Models of Information Dynamics* (01/2018–06/2021). [Czech Science Foundation, Junior Project];
- *Substructural Modal Logics for Knowledge Representation* (01/2020–12/2021) [The Czech Academy of Sciences, Mobility Plus Project – Partner IIIA-CSIC Barcelona];

- *Internationalization of the ICS CAS* (10/2020–04/2023). [Ministry of Education, Youth and Sports, the Operational Programme Research, Development, Education (co-funded by the EU)];
- *Human Resources in Theoretical Computer Science* (05/2018–04/2020). [Ministry of Education, Youth and Sports, the Operational Programme Research, Development, Education (co-funded by the EU)];
- *Reasoning with Incomplete and Inconsistent Information* (2017). [The Czech Academy of Sciences, Mobility project – Partners Tel Aviv University and University of Haifa].

## Research Stays

Research Institute for Mathematical Sciences, Kyoto University (09/2017); School of Computer Science, Tel Aviv University (03/2017); Munich Center for Mathematical Philosophy, LMU Munich (10–11/2013).

## Professional service (selection)

- *Conference Program Committee Chair*: DaLí 2020, Logica 2022, Logica 2021, Logica 2020, Logica 2019, Logica 2018.
- *Conference Program Committee Member (Selection)*: AiML 2022, DaLí 2022, Workshop on Modular Knowledge 2022
- *Reviewer for Journals*: J. Philosophical Logic, Rev. Symbolic Log. , Studia Logica, Logic J. of the IGPL, J. Logic and Computation, Notre Dame J. of Formal Logic, J. Logic, Language and Information, J. Log. Algebr. Methods in Programming, Theoria, The Phil. Quarterly, Fuzzy Sets and Systems, Soft Computing, J. of Multiple-Valued Log. and Soft Computing, Logique et Analyse, Filozofický časopis, Organon F, Filozofia.
- *Workshop Organisation*: Prague Logic Camp (2019), Prague Seminar on Paraconsistent Logic II (2017), Prague Seminar on Paraconsistent Logic (2017).
- *Editorial Work*: M. A. Martins, I. Sedlár (Eds.): *Dynamic Logic. New Trends and Applications. Third International Workshop, DaLí 2020*. Springer, 2020.; I. Sedlár (Ed.): *The Logica Yearbook 2021*. College Publications, 2022 (in preparation), I. Sedlár, M. Blichá (Eds.): *The Logica Yearbook 2020*. College Publications, 2021; I. Sedlár, M. Blichá (Eds.): *The Logica Yearbook 2019*. College Publications, 2020; I. Sedlár, M. Blichá (Eds.): *The Logica Yearbook 2018*. College Publications, 2019.
- *Other*: Organisation of the Seminar on Applied Mathematical Logic at the ICS-CAS (2018-now); LogICS webmaster.