

# Curriculum Vitae

## Gabriel Sandu



### Personal Data

- Born on November 6<sup>th</sup>, 1954, in Bucharest, Romania.

### Degrees

- Master of Economics, Academy of Economic Sciences, Bucharest, September 1978.
- Master of Philosophy, University of Helsinki, December 1984.
- Doctor of Philosophy, University of Helsinki, 17.5.1991. (Title of the dissertation: “Studies in Game-Theoretical Logic and Semantics”.)
- Docent of Theoretical Philosophy, 05.06.1992, University of Helsinki.

### Academic Appointments

#### Current Appointment

- Professor of Theoretical Philosophy (suom. Teoreettisen filosofian professori), Department of Philosophy, History, Culture and Art Studies, University of Helsinki, 01.08.1998-

#### Previous Academic Appointments

- Researcher (tutkija), 4.1.88-31.10.91, and 1.1.92-31.7.97
- Associate Professor of Theoretical Philosophy (suom. Teoreettisen filosofian apulaisprofessori), 1.8.97-31.7.98.
- Senior Scientist (varttunut tutkija), 1.8.04-31.7.05
- Research Director (*Directeur de recherche*), CNRS, IHPST/ENS (Institute for the History and Philosophy of Science and Technology), Paris, 2004-2007.
- Acting Professor at Paris 1, Sorbonne, 1.10.07-30.9.08.
- Professor of Philosophy (Professeur des Universités), Paris 1, Sorbonne, 1.10.08-30.9.10

## Major Research Grants

- *Compositionality and Truth*, a project of the Academy of Finland, 2000-2002.
- *Truth, Minimalism, and Correspondence*, a project of the Academy of Finland, 2004-2006.
- *Reference to Abstract Objects*, a project of the Academy of Finland, 2009-2012.
- *Logical Modelling*, a project funded by GDRI, IHPST, Paris, 2005-2010.
- *Dependence and Independence in Logic (DIL)*, a project associated with the ESF project LINT (Logic for Intelligent Interaction), IHPST, Paris, 2008-2011.
- *The Interrogative Model of Inquiry*, a project funded by ANR, IHPST, Paris, (2010-2012), presently under the responsibility of Marco Panza.

## Administrative positions

- Responsible Professor (suom. oppiainevastaava) for Theoretical Philosophy, University of Helsinki, 2010- .
- Member of the Council of the Department of Philosophy, History, Culture and Art Studies, University of Helsinki, 2010-.
- Head of the Department of Philosophy, University of Helsinki, 2001-2003.

## Memberships in Editorial Boards, Scientific Committees, etc.

- *Synthese* (area editor for logic and mathematics)
- *Acta Philosophica Fennica*
- *Logic, Epistemology and the Unity of Science Journal of Applied Logic*
- *The Journal of Knowledge, Rationality and Action*
- *Theoria*
- *Journal for Logic, Language and Action* (Croatian Logical Society)
- Chair of the local organizing committee of ESSLLI'01, Helsinki, 2001.
- Coordinator of the Logic Program at IHPST, Paris, 2004-2007.
- Coordinator of the "Cogmaster" (with Denis Bonnay), Department of Cognitive Studies, Ecole Normale Supérieure, Paris, 2004-2009.
- One of the proposers and coordinators of the European Project *LOGICCC* (Logical Modeling in Interaction, Communication, Computation and Cognition) launched by the European Science Foundation in 2008.
- Member of the Advisory Board of the Scandinavian Logic Society

## Other honors

- **Vice-President of the Institut International de Philosophie (IIP).**
- One of the twenty formal philosophers interviewed in J. Symons and V. Hendriks, *Formal Philosophy* (<http://www.formalphilosophy.com/index1.html>)
- **Member of the Finnish Academy of Science and Letters**
- **Member of the Academiae Europaeae**

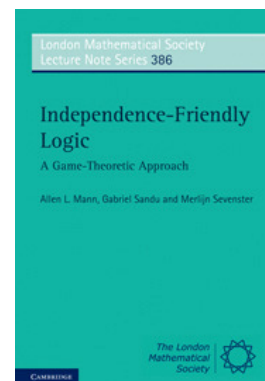
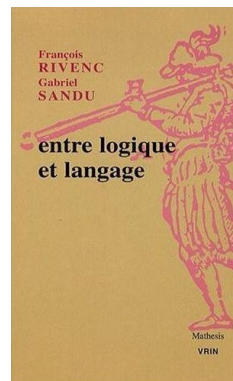
## Longer Visits Abroad

- Director of Research, CNRS, and Professeur des Universités, Paris, 2004-2009.
- Guest researcher of the Flemish Academy of Science and Art, September-December 2008.
- Visiting Scholar, Department of Philosophy, Stanford University, Spring 2005 (3 months).
- Visiting Professor, Institute of Logic of the Academy of Czech Republic, 2013 (3 months).

## Selected Publications (partial; only in English)

### Monographies

1. Sandu, G., 1991, *Studies in Game-Theoretical Logics and Semantics*, (doctoral dissertation), Reports from the Department of Philosophy, University of Helsinki.
2. Hintikka, J. and G. Sandu, 1991, *On the Methodology of Linguistics*, Basil Blackwell.
3. (with Francois Rivenc), *Entre Logique et Langage*, Vrin, Paris, 2009
4. (with Merlijn Sevenster and Allen Mann), *Independence-Friendly Logic: A Game-Theoretic approach*, London Mathematical Society, Lecture Notes, Cambridge University Press, 2011



### Edited volumes

1. Juliette Kennedy and Gabriel Sandu (eds.), 2003, *History of Logic*, Guest Editor, Synthese 137, Nos 1-2.
2. Jacques Dubucs and Gabriel Sandu (eds.), 2005, *Les Chemins de la Logique*, in Pour la Science, Paris
3. Marco Panza, John Mumma and Gabriel Sandu (eds.), 2012, *Diagrammatic Reasoning*, Special number of *Synthese*, 186, nr.1
4. M. Dumitru and G. Sandu (eds.), 2013 (in print), *Truth*, Proceedings of the Workshop on Truth of the Institut Internatioanal de Philosophie, Bucharest, 2012.

## Articles in international peer review journals

1. Sandu, G., 1990, 'Stephen Neale on descriptions', *Critical Review, Semiotica* 93, pp. 365-370
2. Sandu, G., 1993, 'On the logic of informational independence and its applications', *Journal of Philosophical Logic* 22, pp. 29-60.
3. Sandu, G., 1994, 'Some aspects of negation in English', *Synthese* 99, pp. 345-360.
4. Sandu, G., 1997, 'The logic of informational independence on finite models', *Logic Journal of the IGPL* 5, pp. 79-95.
5. Sandu, G., 1997, 'Reasoning about collective goals', in J.P. Muller and N.R. Jennings (eds.), *Intelligent Agents III*, Springer, pp. 131-140.
6. Sandu, G., 1997, 'On the theory of anaphora: dynamic predicate logic vs. game-theoretical semantics', *Linguistics and Philosophy* 20, pp.147-174.
7. Sandu, G., 1998, 'IF-logic and truth-definition', *Journal of Philosophical Logic* 27, pp. 143-164.
8. Sandu, G., 1998, 'Partially Interpreted Relations and Partially Interpreted Quantifiers', *Journal of Philosophical Logic* 27, pp. 587-601.
9. Sandu, G., 2000, 'Partially Interpreted Generalized Quantifiers', in T. Czarnecki, K. Kijana-Placek, T. Placek and A. Rojszczak (eds), *Philosophy and Logic: In Search of the Polich Tradition*, Kluwer Academic Publishers, pp. 93-108.
10. Sandu, G., 2006, 'Compositional Semantics', *Protosociology* 23, pp. 1-23
11. Sandu, G., 2009, Review of 'Dependence Logic : A New Approach to Independence Friendly Logic', -by Joukko Väänänen, *Theoria* 75, 52-64
12. Sandu G, 2012, Independence-Friendly Logic: Dependence and Independence of Quantifiers in Logic, *Philosophy Compass*, 7, 691-711
13. Sandu, G. and J. Boyer, 2011, 'Between Truth and Proof' *Synthese*, on line version pp. 1-12.
14. Sandu, G. and Jouko Väänänen, 1992, 'Partially Ordered Connectives', *Zeitschrift für Mathematische Logik und Grundlagen der Mathematik* 38, pp. 361-372.
15. Sandu, G. and Raimo Tuomela, 1996, 'Joint action and group action made precise', *Synthese* 105, pp. 319-345.
16. Sandu, G. and Jaakko Hintikka, 2001, 'Aspects of Compositionality', *Journal of Logic, Language and Information* 10, pp. 49-61.
17. Sandu, G. and Ahti Pietarinen, 2001, 'Partiality and games: propositional logic', *Logic Journal of the IGPL*, 101-127.
18. Sandu, G. and Ahti Pietarinen, 2000, "Games in Philosophical Logic", *Nordic Journal of Philosophical Logic* 4, 143-173.

19. T. Janasik, G. Sandu and Ahti Pietarinen, 'Anaphora in Extensive Games', in M. Andronis, E. Debenport, A. Pycha and K. Yoshimura (eds), *Chicago Linguistic Society 38: The Main Session*, Chicago: Chicago Linguistic Society, 285-295.
20. Sandu, G. and Tapani Hyttinen, 2001, 'IF-logic and the Foundations of Mathematics', *Synthese* 121, pp. 37-47.
21. Klima, G. and G. Sandu, 1990, 'Numerical quantifiers in game-theoretical semantics' *Theoria* 81, pp. 173-192.
22. Hintikka, J. and G. Sandu, 1992, 'The skeleton in Frege's cupboard', *Journal of Philosophy* 89, pp. 290-315.
23. Hintikka, J., and G. Sandu, 1994, 'What is a quantifier?', *Synthese* 98, pp. 113-129.
24. Hintikka, J., and G. Sandu, 1994, 'Uses and misuses of Frege's ideas', *The Monist* 77, pp. 278-293.
25. Hintikka, J., and G. Sandu, 1995, 'What is the logic of parallel processing?', *International Journal of Foundations of Computer Science* 6, pp. 27-49.
26. Hintikka, J., and G. Sandu, 1995, 'The fallacies of the new theory of reference', *Synthese* 104, pp. 245-283.
27. Hintikka, J., and G. Sandu, 1996, 'A Revolution in Logic', *Nordic Journal of Philosophical Logic*, 1, pp. 169-183.
28. Hyttinen, Tapani and G. Sandu, 2000, 'Henkin quantifiers and the definability of truth', *Journal of Philosophical Logic* 29, pp. 507-527.
29. Hyttinen, Tapani and G. Sandu, 2004, 'Truth and Definite Truth', *Annals of Pure and Applied Logics*, vol. 126, pp. 49-55.
30. Hyttinen, Tapani and G. Sandu, 2004, 'Deflationism and Arithmetical Truth', *Dialectica*, vol. 58
31. Proietti, Carlo and Gabriel Sandu, 2010, 'Fitch's paradox and ceteris paribus modalities', forthcoming in *Synthese* 173 (1), pp. 75-87
32. Sevenster, Merlijn and Gabriel Sandu, 2010, 'Nash Equilibrium Semantics', in *Annals of Pure and Applied Logics* 161, 618-631.
33. Wolenski, Jan and G. Sandu, 1994, *F. P. Ramsey On truth: Original Manuscripts materials (1927-1929) from the Ramsey Collection at the University of Pittsburgh*, edited by N. Rescher and U. Majer, Episteme 16, Kluwer, Dordrecht, 1991; *F. P. Ramsey, Notes on philosophy, probability and mathematics*, edited by M.G. Galavotti, History of logic, Bibliopolis, Napoli, 1991, Critical review, *Synthese* 101, pp. 121-127.

## Book chapters

1. Sandu, G., 1991, 'Choice set quantifiers', in L. Haaparanta, M. Kusch and I. Niiniluoto (eds.), *Language, Knowledge and Intentionality: Perspectives on the Philosophy of Jaakko Hintikka*, Acta Philosophica Fennica 49, pp. 252-264.
2. Sandu, G., 2000, 'Minimalism and the definability of truth', in A. Kanamori (ed.), *Proceedings of the Twentieth World Congress of Philosophy* (invited paper), vol. 6 (Logic and Analytic Philosophy), Philosophy Documentation Centre, Bowling Green State University, pp. 143-153.
3. Sandu, G., 2005, 'Ramsey and the notion of arbitrary function', in M. J. Frapolli (ed), *F.P. Ramsey: Critical Reassessments*, Continuum Studies in British Philosophy, 237-256
4. Sandu, G., 2006, 'Hintikka and the New Theory of Reference', in R. A. Auxier and E. Hahn (eds.), *The Philosophy of Jaakko Hintikka*, The Library of Living Philosophers, *Schilpp volume dedicated to Jaakko Hintikka*, pp. 541-555.
5. Sandu, G., 2007, 'Two notions of scope', in A. Pietarinen (ed.) *Game Theory and Linguistic Meaning*, Oxford, Elsevier, pp. 171-183.
6. Sandu, G., 2008, Games in Language, in Apt, Kr. and R. van Rooij, *New Perspectives on Games and Interaction*, Amsterdam University Press
7. Sandu, G., 2008, *Vérité, logique IF et la logique trivalente*, in J. Hintikka, *Les principes des mathématiques révisitées*, Vrin, Paris, postface.
8. Sandu, G., 2011, 'Game-theoretical semantics', in L. Horsten and R. Pettigrew (eds.), the *Continuum Handbook of Philosophical Logic*, Continuum, pp. 216-270.
9. Sandu, G., 2012, 'Compositionality and the Context Principle' in M. Werning, E. Machery, and M. Hinzen (eds.), *The Oxford Handbook of Compositionality*, Oxford University Press, pp. 262-278.
10. Sandu, G., 2012, 'IF logic and Foundations of Mathematics', in *Philosophy, Mathematics and Linguistics: Aspects of Interaction*, Proceeding of International Scientific Conference, May 2012, (no editor given), 75-81.
11. Sandu, G., 2013, The Dependence and Independence of Quantifiers: Truth, Proof and Choice Functions, in Kevin Mulligan, Katarzyna Kijania-Placek and Tomasz Placek (eds.), *The History and Philosophy of Polish Logic: Essays in Honour of Jan Wolenski*, Palgrave, MacMillan, 49-72.
12. Sandu G., 2013, Probabilistic IF Logic, *ICLA, volume 7750 of Lecture Notes in Computer Science*, Springer, 69-79.
13. Sandu, G., in print, 'Languages of imperfect information', in S. Gosh, R. Verbrugge, and J. van Benthem (eds) *Modeling Strategic Reasoning*, Springer, Texts in Logic and Games.
14. Sandu, G. and J. Jacot, 2012 'Quantification and anaphora in natural language', in R. Schantz (ed.), *Prospects on Meaning*, De Gruyter, Berlin, pp. 609-628

15. Sandu, G. and A. Pietarinen, 2003, 'Informationally Independent Connectives', in I. Van Loon, G. Mints, and R. Muskens (eds.) *Games, Logic, and Constructive Sets*, vol. 9, CSLI Publications, pp. 23-41.
16. Sandu, G. and T. Janasik, 2003, 'Dynamic Game Semantics', in J. Peregrin (ed.) *Meaning: The Dynamic Turn*, Elsevier, pp. 215-240.
17. Hella, Lauri and G. Sandu, 1995, 'Partially ordered connectives and finite graphs', in M. Krynicki, M. Mostowski and L. Szerba (eds.), *Quantifiers: Logics, Models and Computation*, vol. 2, pp. 79-88.
18. Hintikka, J. and G. Sandu, 1989, 'Informational independence as a semantical phenomenon', in J.E. Fenstad et al. (eds.), *Logic, Methodology and Philosophy of Science VIII*, Elsevier Science
19. Hintikka, J. and G. Sandu, 1997, 'Game-theoretical semantics', *Handbook of Logic and Language*, in J. van Benthem and A. ter Meulen (eds.), Elsevier Science Publishers B.V., pp. 361-410.
20. Hintikka, J. and G. Sandu, 1999, 'Tarski's guilty secret: compositionality', in J. Wolenski and E. Kölher (eds.), *Alfred Tarski and the Vienna Circle*, Kluwer Academic Publishers, pp. 217-230.
21. Hintikka, J. and G. Sandu, 2007, 'What is Logic?' in Dale Jacquette (ed.), *Handbook of the Philosophy of Logic*, Elsevier B.V., 2007, pp. 13-40
22. Lenci, A. and Gabriel Sandu, 2009, 'Logic and Linguistics in the XXth century', in Leila Haaparanta (ed.) *The Development of Modern Logic*, Oxford University Press, pp. 791-865
23. Gabriel Sandu and T. Aho, 2009, 'Logic and Semantics in the XXth century', in Leila Haaparanta (ed.) *The Development of Modern Logic*, Oxford University Press, pp. 574-626

### **Encyclopedia articles**

1. Hintikka, J. and G. Sandu, 1998, 'Quantifiers' in E. Craig (ed.), *Routledge Encyclopedia of Philosophy*
2. Sandu, G. and Pauli Salo, 'Aspects of compositionality', *Encyclopedia of Logic and Linguistics*, Elsevier, 2005
3. Sandu, G., 'Games in language', in *Cambridge Encyclopedia of Language Sciences*, 2007