# UNIVERSITÀ DEGLI STUDI DI GENOVA

## CANDIDATURA PER COMPONENTE DEL SENATO ACCADEMICO

**Oggetto: Elezioni componenti del senato accademico – mandato dalla data del decreto rettorale di nomina fino al 31.10.2024**

La sottoscritta_____Sara Negri_____

nata a____omissis_____Prov._____omissis_____in data_____omissis_____residente in ___omissis indirizzo_____omissis_____ –
C.a.p.__omissis__ codice fiscale__omissis_____,
telefono: _**omissis**_ e-mail: _**sara.negri@unige.it**_ pec:_____omissis_____ – (Opzionale)

| *sezione da compilare solo dai candidati docenti* |
|---|
| professore ordinario dell'area scientifico disciplinare____MAT/01_____ |

## PRESENTA LA PROPRIA CANDIDATURA

alla carica di *(Barrare una casella)*

x☐ rappresentante dei docenti della scuola di Scienze MM. FF. NN…………………..
☐ rappresentante dei direttori di dipartimento
☐ rappresentante dei tecnici-amministrativi

le cui elezioni sono state indette, per il mandato dalla data del decreto rettorale di nomina fino al 31.10.2024.

## DICHIARA

*(Barrare le caselle tonde e quadrate)*

x☒ di non incorrere in alcuna delle situazioni di incompatibilità di cui all'art. 60, commi 1, 2 e 5, dello Statuto e all'art. 22 del regolamento generale di Ateneo;
☐ di versare nella seguente situazione di incompatibilità_____[1].

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[1] Le situazioni incompatibili:
1. ricoprire cariche accademiche, con l'eccezione dei direttori di dipartimento che potranno essere eletti in senato;
2. essere componenti di altri organi fatto salvo il consiglio di dipartimento;
3. rivestire incarichi di natura politica;
4. ricoprire la carica di rettore, componente del senato accademico, del consiglio di amministrazione, del nucleo di valutazione no del collegio dei revisori dei conti di alcuna altra università;
5. svolgere funzioni inerenti alla programmazione, al finanziamento e alla valutazione delle attività universitarie nel Ministero dell'istruzione, dell'università e della ricerca e nell'Agenzia nazionale di valutazione del sistema universitario e della ricerca;
6. per i docenti, regime di impegno a tempo definito;
7. per i docenti, autorizzazione a svolgere esclusiva attività di ricerca scientifica presso altra istituzione o congedo per motivi studio o di ricerca.

di aver letto le disposizioni del decreto di indizione, con particolare riferimento alla pubblicazione della candidatura e dei relativi allegati sull'albo *web* e sul sito *web* di Ateneo.

Il/La sottoscritto/a dichiara di essere consapevole che:
1. la presentazione di candidatura da parte di un eligendo che si trovi in una situazione di incompatibilità equivale a rinuncia alla carica incompatibile già rivestita o alla situazione che determina tale incompatibilità, in caso di elezione;
2. la presentazione di candidatura da parte di un professore in regime di impegno a tempo definito comporta l'opzione irrevocabile per il regime di impegno a tempo pieno, in caso di elezione (art. 22 del Regolamento generale);
3. la presentazione di candidatura da parte di un professore autorizzato a dedicarsi a esclusiva attività di ricerca presso altra istituzione o in congedo per motivi di studio o ricerca comporta rinuncia implicita all'autorizzazione o al congedo, in caso di elezione (art. 22 del Regolamento generale).

Il/La sottoscritto/a allega (a pena di esclusione):
- copia di un documento di identità valido
- *curriculum vitae,* datato e firmato (in alternativa file PDF/A firmato digitalmente o scansione PDF del *curriculum* datato e firmato analogicamente)

Il/La sottoscritto/a indica i seguenti recapiti al fine di ricevere le comunicazioni inerenti al procedimento in oggetto *(Nota: l'indirizzo di residenza e i seguenti recapiti saranno appositamente oscurati nei documenti pubblicati sull'albo web e sul sito web di dipartimento)*:
    **sara.negri@unige.it**

Data_____18.10.2021_____                    *(firma)*

Avvertenze:
- Non inserire nella candidatura e nel *curriculum vitae* dati personali non pertinenti o eccedenti rispetto alle finalità del trattamento.
- L'Università degli studi di Genova si riserva di verificare la veridicità delle dichiarazioni rese.

## PERSONAL INFORMATION Sara Negri

⊙ DIMA, Via Dodecaneso 35, 16146 Genova, Italy

✉ sara.negri@unige.it

🔵 https://sites.google.com/view/saranegri

Gender Female | Date of birth omissis | Nationality omissis

### ACADEMIC EMPLOYMENT AND EDUCATION

**2019–Present  Full Professor**

*Professore Ordinario* (Mathematical Logic), University of Genova, Italy

**2015–2019  Full Professor**

*Professori* (Theoretical Philosophy), University of Helsinki, Finland

**2017–2021  Academy project leader**

University of Helsinki

**2014–2015  Core Fellow**

Helsinki Collegium for Advanced Studies

**2013  Abilitazione Scientifica Nazionale**

– Logica matematica e matematiche complementari (01/A1, prima fascia)
– Logica, storia e filosofia della scienza (11/C2, prima fascia)
– Informatica (01/B1, seconda fascia)

**2012–2014  Senior Researcher**

*Vanhempi tutkija*, University of Helsinki

**2006–2009  Academy project leader**

University of Helsinki

**2002–2012  Academy Research Fellow**

*Akatemiatutkija*, University of Helsinki

**1998–2015, 2020–  Docent in Logic**

*Logiikan dosentti*, University of Helsinki

**1996–2002  Researcher**

*Tutkija*, University of Helsinki

**1995–1996  Research Associate**

Department of Computing, Imperial College, London

**1996  PhD degree in Mathematics**

University of Padova

<sub>1991</sub> Master's degree in Mathematics

110/110 *cum laude*, University of Padova

RESEARCH AND TEACHING
VISITS

### 6–7.2018 Invited senior scientist

Hausdorff Research Institute for Mathematics

Trimester Program "Types, Sets and Constructions," Bonn, Germany

### 3–6.2016 Professore a contratto

Università degli Studi di Verona

### 5.2016 Professore a contratto

Scuola Normale Superiore, Pisa

### 5.2005 Guest Professor

Institut de Recherche en Informatique de Toulouse, France

### 9.2004–2.2005 Humboldt Fellow

Department of Mathematics, University of Munich, Germany

### 1–4.2001 Visiting scientist

Mittag-Leffler Institute, Stockholm

### 7.1997, 6.1998 Visiting researcher

Department of Computer Science, University of St. Andrews

### 11.1994–6.1995 Visiting researcher

Chalmers University, Göteborg

### 9–12.1992 Visiting researcher

Department of Mathematics, Amsterdam University

RESEARCH FUNDING

### Major projects

– Research project *Infinity and Intensionality: Towards A New Synthesis*, The Research Council of Norway, 2021–2024, Research Fellow.
– Research project *Modaliteetit ja konditionaalit: systemaattisia ja historiallisia tutkimuksia*, Academy of Finland, 2017–2021.
– Azione 3, University of Verona, 2015.
– Professor's starting fund, University of Helsinki, 2015.
– Academy Research Fellowship, 2007–2012. Principal Investigator.
– Research project *Proof theory of non-classical logic*, Academy of Finland, 2006–2009. Principal Investigator.
– Humboldt Foundation Research Fellowship, University of Munich, October 2004 - March 2005.
– Academy Research Fellowship, 2002–2007. Principal Investigator.

## Other research grants
– 2006–2013, Cimo Fellowships for doctoral students.
– 1998, Wihuri Foundation.
– 1995, CNR scholarship for research abroad.
– 1994, Fondazione Gini scholarship for research abroad.
– 1991-1995, 4-year scholarship for doctoral studies, Italian Ministry of University and Research.
– 1990-1991, CNR scholarship for outstanding undergraduate students.

## PEDAGOGICAL TRAINING

**Attended courses for members of staff held at the Centre for Research and Development of Higher Education, Faculty of Behavioural Sciences, University of Helsinki, 2010:**
– University Pedagogy I: Teaching and learning in higher education; Design, implementation and assessment of teaching.
– Supervision and Guidance in Higher Education.

## TEACHING EXPERIENCE

**Teaching at the University of Genova**
– "Proof Theory for Modal and Constructive Logics", Bachelor and Master degree in Mathematics, Spring 2021.
– "Istituzioni di Matematica", Bachelor degree in Chemistry and Material Science, Autumn 2020 – Spring 2021.
– "Geometria", Bachelor degree in Computer Engineering, Spring and Autumn 2020.

**Teaching at the University of Helsinki**
– "Research seminar in logic and philosophy of mathematics," Fall 2018–Spring 2019.
– Course "Logic II," Spring 2019.
– "Research seminar in logic and philosophy of mathematics," Fall 2017–Spring 2018.
– Course "Logic II," Spring 2018.
– Course 'Philosophical logic," Fall 2017.
– Course "What if? A guide to reasoning with counterfactual scenarios," Spring 2017.
– "Infinity seminar," Spring 2017.
– Course "Introduction to philosophical logic," Fall 2016.
– Course "Proof theory," Spring 2016.
– Course "Introduction to philosophical logic," Fall 2015.
– Reading seminar on the writings of G.H. von Wright, Fall 2015.
– Course "Counterfactuals," Fall 2013.
– Research seminar in logic 2005–2010 and 2011–13.
– Course "Reasoning about logics," Fall 2010.
– Reading seminar on dynamic epistemic logic, Spring 2010.
– Course "Proof theory," Spring 2004.
– Course "Proof theory and proof search," Fall 2002.
– Course "Five lectures on proof-analysis," Fall 2001.
– Course "Non-classical logics," Fall 2000.
– Course "Proof theory and constructive semantics," Spring 2000.
– Course "Introduction to proof theory," Fall 1998.

**Other teaching**
– Course "Modal logic in informatics," July 2016, Ph.D. program in Informatics, University of Verona.
– Course "Arrow's theorem and other impossibility results," June 2016, Master's program in Mathematics, University of Verona.
– Course "A primer in proof theory," May 2016, Master's program in Mathematics, University of Verona.
– Course "5 lectures on proof theory" for the program in Philosophy, Scuola Normale Superiore (Pisa), May 2016.
– Course "Teoria della dimostrazione," Scuola Estiva di Logica, Gargnano, August 24-30, 2014.
– Tutorial "Proof Systems for Modal and Epistemic Logics," Pisa Summer Workshop on Proof Theory, June 2012, Pisa.
– Lecture series "The Method of Proof Analysis: Background, Developments, New Directions," JAIST (Japan Advanced Institute of Science and Technology) Spring School, March 2012, Kanazawa, Japan.
– Lecture series "Proof analysis in mathematical and philosophical logic," St. Petersburg State University, January 2011.

- "Lectures on Proof Analysis", Dept. of Mathematics, University of Minho, Braga, Portugal, 2006.
- Lecture series "Proof Analysis," Dept. of Mathematics, University of Munich, Germany, 2005.
- Lecture series "Introduzione alla teoria della dimostrazione," Dept. of Philosophy, University of Milan, 2004.
- Course "Proof analysis," Summer School and Workshop on Proof Theory, Computation and Complexity, Dresden Technical University, 2003.

## PH.D. SUPERVISIONS

- Cosimo Perini Brogi, joint supervision with Prof. G. Rosolini, University of Genova, PhD expected 2022.
- Giulio Fellin, co-tutelle between the University of Helsinki and the University of Verona, PhD expected 2022.
- Matteo Tesi, Scuola Normale Superiore, Pisa (external supervision).
- Marianna Girlando, co-tutelle with Prof. Nicola Olivetti, University of Aix-Marseille, 2019.
- Eugenio Orlandelli, joint supervision with Prof. Giovanna Corsi, University of Bologna, 2014.
- Paolo Maffezioli, joint supervision with Prof. Pierluigi Minari, University of Florence, 2012.
- Raul Hakli, University of Helsinki. 2010.
- Bianca Boretti, joint supervision with Prof. Miriam Franchella, University of Milan, 2009.

## DISSEMINATION OF RESEARCH

## Invited presentations in international meetings

- *On the constructive content of infinitary classical theories*, TYPES 2021, 27th International Conference on Types for Proofs and Programs, 14–18 June 2021 (online).
- *On the proof theory of infinitary logic*, Oberwolfach workshop "Mathematical Logic: Proof Theory, Constructive Mathematics", 8-11 November 2020.
- *Sequent calculi for logics of agency: the deliberative STIT*, Fifth TICAMORE Meeting Vienna, November 11–13, 2019.
- *Syntax for semantics*, Logic Colloquium '19, Prague, 12 August 2019.
- *Glivenko-style conservativity through proof analysis*, Workshop "Proof theory in logic Utrecht, 1–2 July 2019.
- *Extending the scope of Glivenko's theorem*, CLMPST2019: International Congress of Logic, Methodology and Philosophy of Science and Technology, 9 August 2019.
- *Unveiling the constructive core of classical theories: A contribution to 90 years of Glivenko's theorem*, 4th SILFS Postgraduate Conference on Logic and Philosophy of Science, 3–7 June 2019, Urbino, Italy.
- *Geometric rules in infinitary logic*, Third Tübingen Conference on Proof-Theoretic Semantics, 27–30 March 2019.
- *From semantics to proof systems and back: a case study in non-normal modal logic*, Colloquium Logicum 2018, Universität Bayreuth, 14–16 September 2018.
- *Topological generalizations of possible worlds semantics and their proof systems*, Workshop: Proofs and Computation, Hausdorff Research Institute for Mathematics, Bonn, 4 July 2018.
- *A proof-theoretic approach to formal epistemology*, Reasoning in Social Context, Royal Netherlands Academy of Arts and Sciences , Amsterdam, 31 May–2 June, 2018.
- *STIT modalities in labelled sequent calculus* Workshop "Doxastic Agency and Epistemic Logic, Ruhr-University Bochum, 15–16 December 2017.
- *Proof-theoretical methods for counterfactual reasoning*, Oberwolfach Workshop "Mathematical Logic: Proof Theory, Constructive Mathematics," 5–11 November 2017, Oberwolfach, Germany.
- *Reasoning with counterfactual scenarios: from models to proofs* (special session invited talk), Logic Colloquium 2017: European summer meeting of the Association for Symbolic Logic, Stockholm, Sweden, 14–20 August 2017.
- *Proof-theoretic semantics for conditionals and non-normal modalities* (invited symposium presentation). SILFS 2017 : Triennial International Conference of the Italian Society for Logic and Philosophy of Science, University of Bologna, 20–23 June 2017.
- *Knowledge and belief: from models to proofs*, International workshop on Proof Theory and Modal Logic, Università di Torino, December 2, 2016.
- *Knowledge and belief: from models to proofs*, Jaakko Hintikka Memorial Conference: Legacy in Game-Theoretical Semantics and Epistemic Logic, University of Helsinki, 8–9 September 2016.

- *The Logic of conditional beliefs: neighbourhood semantics and sequent calculus*, Advances in Modal Logic 2016, Budapest, 29 August-2 September 2016.
- *Non-normal modal logics: A challenge to proof theory*, Logica 2016, Hejnice monastery, Czech Republic, 20–24 June 2016 (keynote speaker).
- *Proof theory for Lewis counterfactuals and conditional logic* and *Glivenko sequent classes in the light of structural proof theory*, Estonian-Finnish Logic Meeting, Rakvere, 13–15 November 2015.
- *Well quasi-orders in philosophical logic*. Well quasi-orders: from theory to applications. Hamburg, DMV-Jahrestagung 2015, September 24-25.
- *On neighbourhood semantics and sequent calculus*. Workshop Trends in Proof Theory. DMV-Jahrestagung 2015 affiliated meeting. University of Hamburg, September 20-21, 2015.
- *Recent advances in proof systems for modal logic*. Advances in Modal Logic 2014, University of Groningen, The Netherlands, August 5-8, 2014 (keynote speaker).
- *On proofs and countermodels*, Summer School on Proof, Truth, Computation, Frauenchiemsee, Germany, July 21–25, 2014.
- *Proof systems for first-order theories*, Algebra and coalgebra meet proof theory 2014, Queen Mary University of London, May 15–16, 2014.
- *Counterfactual reasoning*, Workshop on Formalization in Philosophy II, University of Copenhagen, December 12–13, 2013.
- *A proof theory for counterfactual reasoning*, Workshop 'Proof Theory and Philosophy', University of Groningen, December 3–5, 2013.
- *Extending the scope of labelled sequent calculi: the case of classical counterfactuals*, Theory and Application of Formal Proofs, Paris, November 5–7, 2013.
- *On the duality of proofs and countermodels in labelled sequent calculi*, Tableaux 2013, Nancy, September 13–16 (keynote speaker).
- *Generation of proofs and countermodels in labelled sequent calculi*, Modality and Modalities, Roskilde University, May 23–24, 2013 (keynote speaker).
- *The intensional side of algebraic-topological representation theorems*, Workshop on Intensionality in Mathematics, Lunds Universitet, May 11-12, 2013.
- *Unifying the search of proofs and countermodels in non-classical logics*, 4th World Congress on Universal Logic, Rio de Janeiro, April 2013 (keynote speaker).
- *From semantics to proofs: provability logics and modal embeddings*, Between Semantics and Proof Theory: A Workshop in Honor of A. Avron's 60th Birthday. Tel-Aviv, Israel, November 2012.
- *Design of proof systems: The pros and cons of harmony*, Modal Logics & Proof Theory, University of Florence, April 27, 2012.
- *The geometry of proof analysis: from rule systems to systems of rules*, Computational Logic Workshop in Honour of Roy Dyckhoff, StAndrews, UK, Nov. 2011.
- *The geometry of proof analysis: from rule systems to systems of rules*, Mathematical Logic: Proof Theory and Constructive Mathematics, Oberwolfach, Germany, Nov. 2011.
- *Constructive embeddings of intermediate logics*, Symposium on Constructivity and Computability in Algebra, Analysis, Logic and Topology, Uppsala, June 2011.
- *A survey of labelled sequent systems*, Computability in Europe CiE 2010, University of Azores, Portugal, June 29-July 5, 2010 (keynote speaker and invited workshop speaker).
- *Proof analysis*, Symposium on Proof Theory and Constructivism, Leeds, UK, 2009.
- *A systematic approach to completeness and decidability for modal logic*, Advances in Constructive Topology and Logical Foundations University of Padova, October 8–11, 2008.
- *Does the deduction theorem fail for modal logic?* Philosophy of Logical Consequence, Swedish Collegium of Advanced Studies SCAS, Uppsala, October 31–November 2, 2008.
- *Problems of proof theory in modal logic*, Logic Colloquium '08 (Workshop on Proof Theory), Bern, Switzerland, July 2008.
- *Proof analysis in non-classical logics*, Logic Colloquium '05, Athens, Greece, August 2005 (keynote speaker for special session on philosophical logic).
- *The interplay of syntax and semantics in the proof theory of provability logic*, Mathematical Logic, Oberwolfach, Germany, March 2005.
- *Proof-theoretic methods in linear lattice theory* (talk presented by co-author), XXII Incontro di Logica, AILA, Pisa, February 2005.
- *Proof analysis in non-classical logics*, Deduktive Aspekte in Beweistheorie und Informatik, Munich, Germany, January 2005.
- *Formal Kripke semantics with applications*, Constructive Logic and Mathematics, Benediktbeuern, Germany, November 2004.

– *Internalized Kripke semantics and proof analysis in modal logic*, UCLA-Helsinki Meeting, Los Angeles, USA, May 2004.
– *Proof theory of lattice theory*, From Sets and Types to Topology and Analysis: Towards Practicable Foundations for Constructive Mathematics, Venice International Univ., May 2003.
– *On the proof theory of constructive ordered fields*, Reuniting the Antipodes–Constructive and Non-standard Views of the Continuum, Venice International University, May 1999.
– *The Hahn-Banach theorem in formal topology*, Twenty-Five Years of Constructive Type Theory, Venice, October 1995.

## Other invited presentations and guest lectures (selection)

– *A proof-theoretic approach to formal epistemology*, Proof Theory Virtual Seminar, February 3, 2021 and AjC Seminar, ILLC, Amsterdam, March 17, 2021.
– *La logica negli argomenti etici*, Logic Day 2021, 14 January 2021.
– Annual Logic Lecture, University of Connecticut, May 2019 (**Scholar of Consequence Award**).
– IANUA Summer School, 12 July 2019, 14 July 2020, Short course: La logica dal punto di vista filosofico.
– *Remembering Roy Dyckhoff* , The 28th International Conference on Automated Reasoning with Analytic Tableaux and Related Methods, London, 3–5 September 2019.
– *A simple proof of Barr's theorem for infinitary geometric logic*, Seminario di Logica e Filosofia della Scienza, Dipartimento di Lettere e Filosofia, Università degli Studi di Firenze, November 9, 2018
– *Geometric rules in infinitary logic*, Dipartimento di Informatica, Università di Verona, October 15, 2018.
– *An inferential treatment of deliberative STIT and other agentive modalities*, LIS - Marseille, 12 January 2018.
– *Un approccio dimostrazionistico all'epistemologia formale*, Seminar series "Modi della Logica e Forme della Scienza," Università di Bologna, October 19, 2017.
– *What is philosophical logic?* Lecture to high school students (Kauniaisten lukio), Helsinki, 18 May 2017.
– *From neighbourhood semantics to analytic proof systems for non-normal modal logics*, Department of Mathematics, University of Verona, July 4, 2016.
– *Dalla semantica di intorni a sistemi analitici di prova per le logiche modali non-normali*, Department of Philosophy, University of Florence, May 6, 2016.
– *Proof analysis for Lewis counterfactuals and conditional logic*, Munich Center for Mathematical Philosophy, 23 November 2015.
– *Unifying the normative, descriptive, and deductive aspects of applied logic*, Delft University of Technology, (invited by Prof. Alessandra Palmigiano), December 2013.
– *Systems of proof search: a logical success story*, Oiva Ketonen centenary, 1913-2013, Finnish Philosophical Society, January 2013.
– *A cut-free sequent system for Grzegorczyk logic, with an application to the provability interpretation of intuitionistic logic*; *Design of proof systems: The pros and cons of harmony*, Department of Pure Mathematics, University of Leeds (invited by Prof. Peter Schuster), May 2012 (two talks).
– *An application of proof analysis to the knowability paradox*, Department of Computer Science, University of Oslo (invited by Prof. Herman Jervell), April 2011.
– *An application of proof analysis to the knowability paradox*, Department of Philosophy, University of Stockholm (invited by Prof. Peter Pagin), April 2011.
– *Proof analysis in intermediate logics and their modal companions*, Department of Mathematics, University of Padova (invited by Dr. Milly Maietti), April 2009.
– *L'evoluzione della dimostrazione di completezza per la logica modale*, Department of Philosophy, University of Pisa (invited by Prof. Enrico Moriconi), October 2008.
– *Proof analysis in temporal logic*, Department of Mathematics, University of Uppsala (invited by Prof. Erik Palmgren), October 2007.
– *Proof analysis in intermediate logics*, Stockholm-Uppsala logic seminar (invited by Prof. Per Martin-Löf), April 2006.
– *Proof analysis for philosophical logic*, Kolloquium des Graduiertenkolleg "Logik in der Informatik", Munich, December 2004.
– *Sequent calculus with internalized Kripke semantics for modal logic*, Department of Philosophy, Stanford University, USA (invited by Prof. Grigori Mints), June 2004.
– *Sequent calculus with internalized Kripke semantics for modal logic*, Institute of Cybernetics, Tallinn (invited by Prof. Tarmo Uustalu), May 2004.

- *Structural analysis of mathematical proofs*, The Mittag-Leffler Institute, Stockholm, February 2001.
- *Constructive analysis in formal topology*, Department of Mathematics and Computer Science, St. Andrews (invited by Prof. Roy Dyckhoff), Febarury 1996.
- *The constructive Hahn-Banach theorem in formal pointfree topology*, Department of Mathematics, Oxford (invited by Prof. Peter Collins), January 1996.
- *Pointfree reasoning in formal topology* and *Avoiding non-constructive principles in topology and analysis*, Department of Computing, Imperial College (invited by Prof. Abbas Edalat and Prof. Steve Vickers), July and November 1995.
- Series of seminars at the Group of Artificial Intelligence (CNR, Padova). 10.12.1993: *Introduzione alla Topologia Formale*; 11.2.1994: *Introduzione alla Logica Lineare*; 9.5.1994, 13.5.1994 - *Completezza della Logica Lineare rispetto alla semantica delle Pretopologie Formali* (invited by Dr. Claudio Sossai).

## LANGUAGE SKILLS

### Mother tongue
Italian

### Other languages

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---|---|---|---|---|---|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | C2 | C2 | C2 | C2 | C1 |
| Finnish | C2 | C2 | C1 | C1 | C2 |

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
Common European Framework of Reference for Languages

## PEER REVIEW

Journals ACM Transactions on Computational Logic, Acta Philosophica Fennica, Analysis, Annals of Pure and Applied Logic, APhEx (Portale Italiano di Filosofia Analitica), Archive for Mathematical Logic, Bullettin of the European Association for Theoretical Computer Science, Erkenntnis, Fundamenta Informaticae, IfCoLog Journal of Logics and their Applications, Indagationes Mathematicae, Information Processing Letters, Journal of Applied Non-classical Logics, Journal of Logic and Computation, Journal of Philosophical Logic, Logic Journal IGPL, Logica Universalis, Logical Methods in Computer Science, Mathematical Logic Quarterly, Mind, Note di Matematica, Notre Dame Journal of Formal Logic, Philosophical Studies, Sarajevo Journal of Mathematics, Studia Logica, Synthese, The Bulletin of Symbolic Logic, The Journal of Symbolic Logic, The Review of Symbolic Logic, Theoretical Computer Science, Theoria (consulting editor).

International Conferences Types Working Group Annual Meeting (since 1996), Tableaux Conferences (since 1998), Reuniting the Antipodes - Constructive and Non-Standard Views of the Continuum (Venice, 1999), World Congress on Paraconsistent Logic, LPAR(International Conferences on Logic for Programming, Artificial Intelligence and Reasoning) 2001, From Sets and Types to Topology and Analysis (Venice 2003), 17th International Conference on Rewriting Techniques and Applications (RTA'06), Computability in Europe (CiE) 2006, Advances in Modal Logic (AiML) 2006, Logical Methods in Computer Science, Wollic 2007, LFCS(Logical Foundations of Computer Science) 2009, PECP(Program Extraction and Constructive Proofs) 2010, FoSSaCS( Foundations of Software Science and Computation Structures)-2012, MFPS(Mathematical Foundations of. Programming Semantics) 2012, Filosofia della matematica: dalla logica alla pratica (SNS Pisa, 2012), Workshop on Intensionality in Mathematics (Lund 2013), ICLA(Indian Conference on Logic and its Applications) 2013, Tableaux 2013, CiE(Computability In Europe) 2014, ECAP 8 (European Conference of Analytic Philosophy, 2014), CSR(The 10th International Computer Science Symposium in Russia) 2015, LPAR(International Conferences on Logic for Programming, Artificial Intelligence and Reasoning)-21, IJCAR (International Joint Conference on Automated Reasoning) 2016, AiML 2016, LORI (Logic and Rational Interaction) 2017, AiML 2018.

Reviews Mathematical Reviews (since 2002).

## MEMBERSHIPS AND EXPERT TASKS

**Boards**
- 2018– Member of Academia Europaea (Philosophy section).
- 2017–2021 Member of the research board of the Faculty of Humanities of the University of Helsinki. (Humanistisen tiedekunnan tutkimustoimikuntaan, HUTU).
- 2017– The European research network on types for programming and verification (EU-TYPES), national representative for Finland.
- 2014–2017 Member of the governing board of the Italian Society for Logic and Philosophy of Science.
- 2012–2018 Member of the executive committee of the Scandinavian Logic Society.

**Project evaluations**
- Swedish Research Council, 2020.
- Swiss National Science Foundation, 2018.
- Czech Science Foundation, 2017.
- Vienna Science and Technology Fund (WWTF), 2016.
- Deutsche Forschungsgemeinschaft (DFG), 2015.
- French National Research Agency (ANR), 2015.
- Austrian Science Foundation (FWF) Lise Meitner-Position, 2014.
- Fonds Wetenschappelijk Onderzoek - Vlaanderen, FWO, 2012.
- Netherlands Organisation for Scientific Research, NWO, 2012.
- ERC Starting Grants, 2011.
- Austrian Science Foundation (FWF)2010, 2011, 2016.

**Examinations of PhD theses**
- Rasmus Rendsvig, University of Lund, March 2018, committee member.
- Anna Koivusalo, June 2017, University of Helsinki, faculty representative.
- Edi Pavlovic, Central European University, Budapest, 2017, opponent.
- Inkeri Koskinen, 2015, University of Helsinki, faculty representative.
- Alberto Naibo, École Doctorale de Philosophie, Université Paris 1 Panthéon-Sorbonne, 2013, committee member.
- Daniel Rönnedal, Department of Philosophy, University of Stockholm, 2012, committee member.
- Anton Hedin, Department of Mathematics, University of Uppsala, 2011, committee member.
- Fredrik Dahlgren, Department of Mathematics, University of Uppsala, 2007, committee member.
- Jens Brage, Department of Mathematics, University of Stockholm, 2006, opponent.
- Terho Tulenheimo, University of Helsinki, 2004, faculty representative.

**Other evaluations**
- Expert for a tenured position evaluation at the Tsinghua University, Beijing, 2021.
- Expert for the Rita Levi Montalcini program for young researchers, 2021 (2019 call).
- Jury member of the *Premio Franco Montagna*. Associazione Italiano di Logica e sue Applicazioni, 2021.
- Knut and Alice Wallenberg Foundation, expert for WAF continuation grant, 2020.
- Expert for the docentship application of Bahareh Afshari, University of Göteborg, 2020.
- Jury member of the *Premio Lettieri*. Associazione Italiano di Logica e sue Applicazioni, 2020.
- VQR 2004–2010, 2011–2014 (referee).
- Evaluation for a professorship in logic at the Vienna University of Technology, 2016.
- Ackermann award 2015 (referee).
- HDR: Dr. Olivier Hermant, Centre de recherche en informatique, MINES ParisTech, April 2017, committee member.
- Docentship in Theoretical Philosophy at the University of Helsinki of Dr. Tarja Knuuttila, 2009, committee member.

ORGANIZATION OF
INTERNATIONAL MEETINGS

– Tableaux 2021 (PC co-chair).
– Advances in Modal Logic 2020 (OC chair).
– Dagstuhl Seminar 20202, "Geometric Logic, Constructivisation, and Automated Theorem Proving," 15–20 May 2020 (postponed because of covid-19).
– 4th Logic Nordic School, Bergen, 2020;
– 3rd International Conference on Logic and Argumentation (CLAR 2020), Hangzhou, China;
– 4th SILFS Postgraduate Conference on Logic and Philosophy of Science, Urbino, Italy, June 3–7, 2019 (Chair of session on Classical and Non-Classical Logics).
– WoLLIC 2019: 26th Workshop on Logic, Language, Information and Computation, Utrecht University, the Netherlands, 3-5 July 2019, PC member.
– PhDs in Logic 2019, Universität Bern, Switzerland, PC member.
– TbiLLC 2019: Thirteenth International Tbilisi Symposium on Language, Logic and Computation, PC member.
– CLMPTS 2019, Contributed Symposium "90 years of Glivenko theorem";
– Workshop on External and Internal Calculi for Non Classical Logics, Oxford, July 2018, PC member.
– Advances in Modal Logic 2018, 2016, PC member.
– LORI-VII (2019), LORI-VI (2017), LORI-V (2015) PC member.
– Logic in Stockholm 2017: NLS Summer School and Logic Colloquium 2017 (PC member).
– Scandinavian Logic Society Summer School 2017, PC member.
– Humboldt-Kolleg: Proof Theory as Mathesis Universalis, Villa Vigoni, Como, July 2017.
– Philosophy of mathematics: history, theories and practice : First Graduate Conference of the Italian Network for the Philosophy of Mathematics, Trento, Italy, 13–14 July 2017.
– SILFS 2017: Triennial International Conference of the Italian Society for Logic and Philosophy of Science, Bologna, 20-23 June 2017 (PC member).
– Non-Classical Logics. Theory and Applications, 2016, Lodz, Poland, PC Member.
– IJCAR 2016, PC member.
– Modalities, Conditionals, and Values: A Symposium on Philosophical Logic in Celebration of the Centenary of Georg Henrik von Wright, University of Helsinki, 2016, Main organizer.
– CLMPS affiliated meeting: Proof theory of modal and non-classical logics, Main organizer.
– Tableaux 2015, PC member.
– Proof Structure and Computation (workshop, Vienna Summer of Logic 2014), PC Member.
– WoLLIC 2014, PC member.
– 9th Scandinavian Logic Symposium, August 2014, co-chair.
– CiE (Computability in Europe) 2014, PC member.
– 8th Scandinavian Logic Symposium, August 2012, PC Member.
– Pisa Summer Workshop on Proof Theory, June 2012, Organizer and PC member.
– Workshop on Proof Theory and Constructivism, Helsinki, March 2012, Main organizer.
– History and Philosophy of Computing, Ghent, 2011, PC member.
– Type theory, proof theory, and rewriting, Paris 2007, PC member.

AWARDS

1. AIIA Best Student Paper Award (paper co-authored by a student, Tiziano Dalmonte); XVIII International Conference of the Italian Association for Artificial Intelligence, 19–22 November 2019, Rende, Italy.

2. Best Presentation Award (presentation by junior co-author Edi Pavlovic), 4th SILFS Postgraduate Conference on Logic and Philosophy of Science, 3–7 June 2019, Urbino, Italy.

3. Scholar of Consequence 2019, 1 May 2019, University of Connecticut.

## PUBLICATIONS

### Books

1. *Automated Reasoning with Analytic Tableaux and Related Methods*. Das, Anupam and Negri, S. (eds.) Lecture Notes in Artificial Intelligence 12842, Springer, 2021.

2. *Advances in Modal Logic*. Olivetti, N., Verbrugge, R., Negri, S. and Sandu, G. (eds.) College publications. 620 p. (Advances in Modal Logic; vol. 13), 2020.

3. *Mathesis Universalis, Computability and Proof: Gottfried Leibniz's philosophy of logic in the Digital Age.* S. Centrone, S. Negri, D. Sarikaya, and P. Schuster (eds.), 2019, Springer. 374 p. (Synthese Library)

4. S. Negri and J. von Plato, *Proof Analysis: A Contribution to Hilbert's Last Problem*. 278 pp., Cambridge University Press, 2011, paperback edition 2014.

5. S. Negri and J. von Plato, *Structural Proof Theory*. 274 pp., Cambridge University Press, 2001, paperback edition 2008.

### Refereed journal articles

6. M. Tesi, S. Negri. Neighbourhood semantics and labelled calculus for intuitionistic infinitary logic, *Journal of Logic and Computation*, https://doi.org/10.1093/logcom/exab040 (open access), 2021.

7. S. Negri, E. Pavlović. Alternative Axiomatization for Logics of Agency in a G3 Calculus. *Foundations of Science*, https://doi.org/10.1007/s10699-021-09784-3 (open access), 2021.

8. S. Negri, E. Pavlović. Proof-theoretic analysis of the logics of agency: the deliberative STIT. *Studia Logica*, https://doi.org/10.1007/s11225-020-09914-1 (open access), 2020.

9. S. Negri and E. Orlandelli. Proof theory for quantified monotone modal logics. *Logic Journal of the IGPL*, vol. 27, pp. 478–506, 2019.

10. T. Dalmonte, S. Negri, N. Olivetti and G.L. Pozzato. Proof-search and countermodel generation for non-normal modal logics: The theorem prover PRONOM. *Intelligenza Artificiale*, IOS Press, in press.

11. S. Negri and J. von Plato. From mathematical axioms to mathematical rules of proof: recent developments in proof analysis. *Philosophical Transactions of the Royal Society A*, vol. 377, no. 2140, 2019.

12. M. Girlando, S. Negri, N. Olivetti, and V. Risch. Conditional beliefs: from neighbourhood semantics to sequent calculus. *The Review of Symbolic Logic*, doi: 10.1017/S1755020318000023.

13. S. Negri. Proof theory for non-normal modal logics: The neighbourhood formalism and basic results. *IfCoLog Journal of Logics and their Applications, Mints' memorial issue*, vol. 4, pp. 1241–1286, 2017.

14. R. Dyckhoff and S. Negri. Commentary on Grigori Mints' "Classical and Intuitionistic Geometric Logic." *IfCoLog Journal of Logics and their Applications*, vol. 4, pp. 1235–1239, 2017.

15. S. Negri. The intensional side of algebraic-topological representation theorems. *Synthese*, doi:10.1007/s11229-017-1331-1, 2017.

16. S. Negri and G. Sbardolini. Proof analysis for Lewis counterfactuals. *The Review of Symbolic Logic*, vol. 9, pp. 44–75, 2016.

17. S. Negri. Glivenko sequent classes in the light of structural proof theory. *Archive for Mathematical Logic*, vol. 55, pp. 461–473, 2016.

18. R. Dyckhoff and S. Negri. A cut-free sequent system for Grzegorczyk logic with an application to the Gödel-McKinsey-Tarski embedding. *Journal of Logic and Computation*, vol. 26, pp. 169–187, 2016.

19. R. Dyckhoff and S. Negri. Geometrization of first-order logic. *The Bulletin of Symbolic Logic*, vol. 21, pp. 123–163, 2015.

20. S. Negri. Proof analysis beyond geometric theories: from rule systems to systems of rules. *Journal of Logic and Computation*, vol. 27, pp. 513–537, 2016.

21. S. Negri. Proofs and countermodels in non-classical logics. *Logica Universalis*, vol. 8, pp. 25-60, 2014.

22. P. Maffezioli, A. Naibo, and S. Negri. The Church-Fitch knowability paradox in the light of structural proof theory. *Synthese*, vol. 190, pp. 2677–2716, 2013.

23. R. Dyckhoff and S. Negri. Proof analysis in intermediate logics. *Archive for Mathematical Logic*, vol. 51, pp. 71–92, 2012.

24. R. Hakli and S. Negri. Does the deduction theorem fail for modal logic? *Synthese*, vol. 187, pp. 849–867, 2012.

25. P. Maffezioli and S. Negri. A proof theoretical perspective on Public Announcement Logic, *Logic and Philosophy of Science*, vol. 9, pp. 49–59, 2011.

26. R. Hakli and S. Negri. Reasoning about collectively accepted group beliefs. *Journal of Philosophical Logic*, vol. 40, pp. 531–555, 2011.

27. S. Negri. Proof theory for modal logic. *Philosophy Compass*, vol. 6, pp. 523–538, 2011.

28. R. Dyckhoff and S. Negri. Decision methods for linearly ordered Heyting algebras. *Archive for Mathematical Logic*, vol. 45, pp. 411–422, 2006.

29. B. Boretti and S. Negri. Equality in the presence of apartness: An application of structural proof analysis to intuitionistic axiomatics. *Philosophia Scientiae*, Cahier special 6, pp. 61–79, 2006.

30. S. Negri. Permutability of rules in linear lattices. *Journal of Universal Computer Science*, vol. 11, pp. 1986–1995, 2005.

31. S. Negri. Proof analysis in modal logic. *Journal of Philosophical Logic*, vol. 34, pp. 507–544, 2005.

32. S. Negri and J. von Plato. Proof systems for lattice theory. *Mathematical Structures in Computer Science*, vol. 14, pp. 507–526, 2004.

33. S. Negri, J. von Plato, and T. Coquand. Proof theoretical analysis of order relations. *Archive for Mathematical Logic*, vol. 43, pp. 297–309, 2004.

34. S. Negri. Contraction-free sequent calculi for geometric theories, with an application to Barr's theorem. *Archive for Mathematical Logic*, vol. 42, pp. 389–401, 2003.

35. S. Negri and J. von Plato. Permutability of rules in lattice theory. *Algebra Universalis*, vol. 48, pp. 473–477, 2002.

36. S. Negri. Varieties of linear calculi. *Journal of Philosophical Logic*, vol. 31, pp. 569–590, 2002.

37. S. Negri. A normalizing system of natural deduction for intuitionistic linear logic. *Archive for Mathematical Logic*, vol. 41, pp. 789–810, 2002.

38. S. Negri. Continuous domains as formal spaces. *Mathematical Structures in Computer Science*, vol. 12, pp. 19–52, 2002.

39. R. Dyckhoff and S. Negri. Admissibility of structural rules for extensions of contraction-free systems of intuitionistic logic. *Logic Journal of the IGPL*, vol. 9, pp. 541–548, 2001.

40. S. Negri and J. von Plato. Sequent calculus in natural deduction style. *The Journal of Symbolic Logic*, vol. 66, pp. 1803–1816, 2001.

41. R. Dyckhoff and S. Negri. Admissibility of structural rules for contraction-free systems of intuitionistic logic. *The Journal of Symbolic Logic*, vol. 65, pp. 1499–1518, 2000.

42. S. Negri. Sequent calculus proof theory of intuitionistic apartness and order relations. *Archive for Mathematical Logic*, vol. 38, pp. 521–547, 1999.

43. S. Negri and D. Soravia. The continuum as a formal space. *Archive for Mathematical Logic*, vol. 38, pp. 423–447, 1999.

44. S. Negri and J. von Plato. Cut elimination in the presence of axioms. *The Bulletin of Symbolic Logic*, vol. 4, pp. 418–435, 1998.

45. A. Edalat and S. Negri. The generalized Riemann integral on locally compact spaces. *Topology and its Applications*, vol. 89, pp. 121–150, 1998.

46. S. Negri and S. Valentini. Tychonoff's theorem in the framework of formal topologies. *The Journal of Symbolic Logic*, vol. 62, pp. 1315–1332, 1997.

47. S. Negri. Semantical observations on the embedding of intuitionistic logic into intuitionistic linear logic. *Mathematical Structures in Computer Science*, vol. 5, pp. 41–68, 1995.

## Refereed articles in scientific volumes

48. S. Negri. Geometric rules in infinitary logic. In O. Arieli and A. Zamansky (eds) *Arnon Avron on Semantics and Proof Theory of Non-Classical Logics*, Outstanding Contributions to Logic. Springer, pp. 265–293, 2021.

49. Kurokawa, H. and Negri, S. Relevant logics: from semantics to proof systems. In A. Rezus (ed), *Contemporary Logic and Computing*,Vol. 1, 259–306. (Landscapes in Logic; No. 1). College publications, 2020.

50. S. Negri and G. Sbardolini. A system of proof for Lewis counterfactual. In L. Felline et al. (eds) *New Directions in Logic and the Philosophy of Science*, pp. 133–147, College Publications, 2016.

51. S. Negri and J. von Plato. Cut elimination in sequent calculi with implicit contraction, with a conjecture on the origin of Gentzen's altitude line construction. D. Probst and P. Schuster (eds), "Concepts of Proof in Mathematics, Philosophy, and Computer Science". Ontos Mathematical Logic. Walter de Gruyter, Berlin, pp. 269–290, 2016.

52. S. Negri. Le direzioni della ricerca logica in Italia: Teoria strutturale della dimostrazione. In H. Hosni, G. Lolli, and C. Toffalori (eds) *Le direzioni della ricerca logica in Italia.* Edizioni della Normale, Pisa, pp. 221–253, 2015.

53. S. Negri and J. von Plato. Meaning in use. In H. Wansing (ed) *Dag Prawitz on Proofs and Meaning*, Trends in Logic, Springer, pp. 239–257, 2015.

54. S. Negri. Kripke completeness revisited. in G. Primiero and S. Rahman (eds), *Acts of Knowledge - History, Philosophy and Logic*, pp. 291–310, College Publications, 2009.

## Refereed articles in conference proceedings

55. Fellin, G., Negri, S. and Schuster, P. Modal logic for induction. In *Advances in Modal Logic*, Vol. 13, 209–227. College publications, 2020.

56. T. Dalmonte, S. Negri, N. Olivetti and G.L. Pozzato. PRONOM: proof-search and counter-model generation for non-normal modal logics. AIIA 2019, 18th International Conference of the Italian Association for Artificial Intelligence. **Best paper award**.

57. S. Negri, M. Girlando and G. Sbardolini. Uniform labelled calculi for conditional and counterfactual logics. R. Iemhoff et al. (eds), WoLLIC 2019, LNCS 11541.

58. T. Dalmonte, N. Olivetti and S. Negri. Non-normal modal logics: bi-neighbourhood semantics and its labelled calculi. In G. Bezhanishvili, G. D'Agostino, G. Metcalfe, and T. Studer (eds) *Advances in Modal Logic*, pp. 159–178, College Publications, 2018.

59. M. Girlando, S. Negri and N. Olivetti. Counterfactual logic: labelled and internal calculi, two sides of the same coin? *Advances in Modal Logic 2018*, G. Bezhanishvili, G. D'Agostino, G. Metcalfe, and T. Studer (eds) *Advances in Modal Logic*, pp. 159–178, College Publications, 2018.

60. S. Negri. Non-normal modal logics: a challenge to proof theory. In P. Arazim and T. Lavička (eds) *The Logica Yearbook 2016*, pp. 125-140, College Publications.

61. M. Girlando, S. Negri, N. Olivetti, V. Risch. The logic of conditional beliefs: neighbourhood semantics and sequent calculus. In L. Beklemishev, S. Demri, A. Máté (eds) *Advances in Modal Logic*, pp. 322–341, College Publications, 2016.

62. S. Negri and N. Olivetti. A sequent calculus for preferential conditional logic based on neighbourhood semantics. In H. De Nivelle (ed) *Tableaux 2015*, LNAI 9323, pp. 115–134.

63. D. Garg, V. Genovese, and S. Negri. Countermodels from sequent calculi in multi-modal logics. *LICS 2012*, IEEE Computer Society, pp. 315–324, 2012.

64. P. Maffezioli and S. Negri. A Gentzen-style analysis of Public Announcement Logic. In X. Arrazola and M. Ponte (eds) *International Workshop on Logic and Philosophy of Knowledge, Communication and Action*, pp. 293–313, University of the Basque Country Press, 2010.

65. B. Boretti and S. Negri. On the finitization of Priorean linear time. In M. D'Agostino et al. (eds) *New Essays in Logic and Philosophy of Science*, College Publications, pp. 67–79, 2010.

66. B. Boretti and S. Negri. Decidability for Priorean linear time using a fixed-point labelled calculus. In M. Giese and A. Waaler (eds) *Automated Reasoning with Analytic Tableaux and Related Methods*, Lecture Notes in Computer Science, vol. 5607, Springer, pp. 108–122, 2009.

67. R. Hakli and S. Negri. Reasoning about collectively accepted group beliefs. Workshop on Logical Methods for Social Concepts, A. Herzig and E. Lorini (eds), Esslli 2009, Bordeaux, 12 pp., 2009.

68. R. Hakli and S. Negri. Proof theory for distributed knowledge. In F. Sadri and K. Satoh (eds) *Computational Logic in Multi-Agent Systems*, pp. 100–116, Lecture Notes in Artificial Intelligence 5056, Springer, 2008.

69. S. Negri. Proof analysis in non-classical logics. In C. Dimitracopoulos et al. (eds) *Logic Colloquium '05*, ASL Lecture Notes in Logic, vol. 28, pp. 107–128, 2008.

70. S. Negri and J. von Plato. The duality of classical and constructive notions and proofs. In L. Crosilla and P. Schuster (eds) *From Sets and Types to Topology and Analysis: Towards Practicable Foundations for Constructive Mathematics*, Oxford UP, pp. 149–161, 2005.

71. S. Negri. A sequent calculus for constructive ordered fields. In P. Schuster et al. (eds) *Reuniting the Antipodes. Constructive and Nonstandard Views of the Continuum*, pp. 143–155, Kluwer, Dordrecht 2001.

72. S. Negri and J. von Plato. From Kripke models to algebraic counter-valuations. In H. de Swart (ed) *Automated Reasoning with Analytic Tableaux and Related Methods*, Lecture Notes in Artificial Intelligence 1397, pp. 247–261, Springer, Berlin 1998.

73. S. Negri. Continuous lattices in formal topology. In E. Gimenez and C. Paulin (eds), *Types for Proofs and Programs*, Lecture Notes in Computer Science 1512, pp. 333–353, Springer, Berlin 1998.

74. J. Cederquist, T. Coquand and S. Negri. The Hahn-Banach theorem in type theory. In G. Sambin and J. Smith (eds), *Twenty-Five Years of Constructive Type Theory*, pp. 57–72, Oxford UP 1998.

75. A. Edalat and S. Negri. The generalized Riemann integral on locally compact spaces (extended abstract). In A. Edalat et al. (eds), *Advances in Theory and Formal Methods of Computing*, pp. 129–140, World Scientific, Singapore 1996.

76. J. Cederquist and S. Negri. A constructive proof of the Heine-Borel covering theorem for formal reals. In S. Berardi and M. Coppo (eds), *Types for Proofs and Programs*, Lecture Notes in Computer Science 1158, pp. 62–75, Springer, Berlin 1996.

77. S. Negri. Stone bases, alias the constructive content of Stone representation. In A. Ursini and P. Aglianó (eds), *Logic and Algebra*, pp. 617–636, Dekker, New York 1996.

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