August 2012

CURRICULUM VITAE OF

István NÉMETI

ADDRESSES

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PERSONAL

Born:	Budapest, Hungary, August 17, 1942.
Citizenship:	Hungarian

EDUCATION, ACADEMIC DEGREES

University:	1961–1966, Technical University of Budapest, Faculty of Electrical Engineering (Physics)
Diploma:	1966, electrical engineer
Ph.D.:	1978, with Faculty of Mathematics, Eötvös Loránd University, Budapest,
Candidate's Degree:	1977, Hungarian Academy of Sciences
D. Sci., i.e. Dr. Rer. Nat. with the Academy:	1987, mathematics. (This is higher than candidate's degree which is higher than Ph.D.)

EMPLOYMENT

- Institute for Designing the Electric Power System of the Ministry of Heavy Industries: 1966–1970.
- Institute for Computer Science of the Ministry of Heavy Industries: 1970-1975.
- Institute for Applied Computer Science: 1975.
- Mathematical Institute of the Hungarian Academy of Sciences: 1977–present (presently chief scientific advisor).

EMPLOYMENT ABROAD

- University of Waterloo, Dept. of Computer Science, Waterloo, Canada: December 1983 – August 1984.
- Iowa State University, Dept. of Math., Ames, Iowa, USA: August 1987 – July 1988.

HONORS, AWARDS

- Scholarship for receiving a candidate's degree with the Hungarian Academy of Sciences: 1972–1975.
- Prize "Gyula Farkas" for Applying Mathematics, of the Mathematical Society János Bolyai: 1974.
- A Prize of the Hungarian Academy of Sciences: 1974.
- Recipient of László Kalmár Award in recognition of work and results on unifying theoretical mathematics and computer science: 1979.
- Professorship Széchenyi: 2000–2003.

TEACHING EXPERIENCE

- 1964–1966: Technical University of Budapest, Dept. of Theoretical Electricity. Subjects: theory of electrical phenomena, differential equations, differential geometry.
- 1971–1975: Eötvös Loránd University, Faculty of Natural Sciences, Budapest. Subjects: theory of automata, computational methods in biology, algebraic logic, model theory, program verification.
- 1983–1984. University of Waterloo, Waterloo, Canada. Two full compulsory undergraduate courses on foundation of computer science.
- 1987–1988: Iowa State University, Dept. of Math., Ames, Iowa, USA. Two graduate courses on mathematical logic and its applications.
- April 1990: University of Barcelona, Dept. of Logic, Barcelona, Spain. Intensive course on logics in computer science.
- October 1990: University of Warsaw, Dept. of Mathematics, Warsaw, Poland. Intensive course: "Introduction to Tarskian algebraic logic".
- June–July 1991: University of Berkeley, Dept. of Mathematics, Berkeley, California USA. Reading course at the Summer Math. Program for minority students (funded by NSF).
- March–April 1998: University of Amsterdam, Amsterdam, The Netherlands. Intensive research course: "Logical structure of relativity theories".
- 1990 – present: teaching courses, advisor of postgraduate students at Eötvös Loránd University, Budapest.
- 1971 – present continuously: teaching post–graduate students, different courses for e.g. computer scientists on mathematical foundations of computer science, courses on logic, applied logic and related areas, foundations of mathematics and physics, courses on spacetime, relativity, on new directions e.g. black hole physics. Supervisor of approx. 15 master theses, supervisor of 16 Ph.D. theses and theses for candidate's degree with the Academy.

LANGUAGES

Fluent: English. Reading: German, Russian.

RESEARCH INTEREST

- Logic, all branches of logic.
- Mathematical tools of logic (algebraic logic, universal logic, set theoretic tools etc).

– Special and general relativity.
– Logic and relativity.
– Semantics (computer science-, natural language, logical etc semantics).
– Logic in artificial intelligence, linguistics, cognitive science.
– Decidability, computability, effectiveness issues in logic related areas.
– Nonclassical logics, especially multimodal logics, and temporal logics (of programs and of relativity theory).
– Philosophical logic and linguistics.
– Model theory.
– Theoretical Computer Science, in particular Logics of Programs, Model theories for logics of programs, Program verification, Program Specification.
– Methodology of sciences and logic.

GRANTS

– Hungarian National Foundation for Scientific Research grants No 1810 (1987-1990), No 1911 (1991-1994), No T16448 (1995-1998), No T30314 (1999-2002), No T43242 (2003 – 2007), No T73601 (2008 – 2010), No T8188 (2010 –).
– NWO (Dutch National Foundation for Scientific Research) grant No 048.011-014 (1995-1998), coordinator of participating institution.
– TEMPUS European Joint Project grant No JEP 1941 (1991-1994), coordinator of participating institution.
– TEMPUS European Joint Project grant No JEP 2692 (1991-1994), coordinator of participating institution.
– COST Project No 274 Tarski: Theory and applications of relational Structures and Knowledge Instruments", coordinator of participating institution (2001-2005).

INTERNATIONAL RECOGNITION

– Member of Editorial Boards of the following international journals and book-series: Journal of Symbolic Computation (1984-1990), Journal of Applied Non-classical Logic (1989 –), Studia Logica (1992-2003), Journal of Applied Logic (2004 –), Logica Universalis (2005 –), Advanced Studies in Mathematics and Logic book-series (2005 –).
– Member of Program Committee or Organizing Committee of the following international conferences: Conference on Universal Algebra, Esztergom 1977 (organized by J. Bolyai Mathematical Society), Conference on Algebra, Combinatorics and Logic in Computer Science, Györ 1983 (organized by J. Bolyai Mathematical Society), Conference on Algebraic Logic, Budapest 1988 (organized by J. Bolyai Mathematical Society), Mathematical Foundations of Computer Science'90, Banca Bistrica 1990, "Algebraic Methods in Logic and Their Computer Science Applications", Warsaw 1991 (38th Semester of Stefan Banach International Banach Mathematical Center), European Summer Meeting of the Association for Symbolic Logic, Veszprem 1991 (organized jointly by J. Bolyai Mathematical Society and Symbolic Logic Department of Eötvös Loránd University), Third International Conference on Algebraic Methods and Software Technology (AMAST) 1993, First International Conference on Temporal Logic 1994,

Fourth International Conference on Algebraic Methods and Software Technology (AMAST'95), Mathematical Foundations of Computer Science 1996, International Conference on Temporal Logic 1997, International Conference on Temporal Logic 1998, Frontiers of Combining Systems 1998, First Southern African School and Workshop on Logic, Universal Algebra, and Theoretical Computer Science, South Africa 1999, János Bolyai Conference on Hyperbolic Geometry, Budapest 2002, Logic in Hungary 2005, and more.

– Senior research scholar at Center for Computer Science in Organization and Management of University of Amsterdam, 1992–.
– over 130 scientific papers in leading scientific journals.
– over 25 invited plenary lectures on international conferences.