
ILUJU KIRINGA

CURRICULUM VITAE

Status: Permanent Resident of Canada

RESEARCH INTEREST

- **Fields: Databases, Artificial Intelligence, Information Systems, and Logic in CS**
- **Actual Focus:** advanced database transactions and active rules; model checking
- **Next Focus:** P2P databases; model-checking; agent-oriented programming

ACADEMIC POSITIONS

- **Research Assistant**, Computer Science, University of Toronto [Jan. 1997 – Aug. 2002]
- **Part-Time Lecturer**, Computer Science, University of Toronto [Jan. 1997 – Sept. 2002]
- **Lecturer**, Facultés Catholiques de Kinshasa [Sept. 1986 – June 1988]

EDUCATION

- **Ph.D.**, University of Toronto, Computer Science [Jan. 1997 – present]
Thesis: *Logical Foundations of Active Databases* (Supervisor: Raymond Reiter)
- **M. Sc.**, University of Bonn (Germany), Computer Science [Sept. 1996]
Thesis: *Epistemic Concepts in the Golog Language for Actions* (Supervisor: Gerhard Lakemeyer)
- **M.A.**, University of Bonn, Philosophy [July 1992]
- **B.A.**, *Facultés Catholiques de Kinshasa*, Philosophy [July 1986]

SKILLS, HONOURS, AWARDS & SCHOLARSHIPS

- Trilingual in French, German, and English
- Fellow of the DAAD (German Academic Exchange Programs) [1989 – 1996]
- University of Toronto Open Fellowship [1997 – 2001]
- Selected technical skills:
 - UNIX and LINUX; C, C++, Prolog, and Lisp; working knowledge of Java
 - Database and intelligent systems; Object-oriented analysis and design methods

TEACHING & WORKING EXPERIENCE

- **Lecturer**, University of Toronto: [Jan. 1997 – Dec. 2001]
 - Fundamental Data Structures and Techniques [Fall 2001]
 - Principles of Programming Languages [Summer 1999]
 - Programming Languages [Fall 1998]

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TEACHING & WORKING EXPERIENCE (CONT'D)

- **Teaching Assistant**, University of Toronto: [Jan. 1997 – Aug. 2002]
 - File Systems [Summer 2000, Winter 2002]
 - Introduction to Artificial Intelligence [Winter 2002]
 - Compilers [Winter 1998, Winter 2001]
 - Programming Languages [Fall 1997, Summer 1998, Winter 2001]
 - Operating Systems [Fall 2000]
 - Systems Analysis and Design [Winter 1998, Winter 1999]
- **Lecturer** for Philosophy and Logic, Facultés Catholiques de Kinshasa: [Sept. 1986 – June 88]
 - Modal Logic [1986]
 - Philosophy of Language [1987]
 - Introduction to Logic [1987, 1988]
- **Software Engineer**, Soft and Hard Ware (SHW), Bonn, Germany [Apr. 1996 – Dec. 1996]

PUBLICATIONS

Refereed Conferences

- Iluju Kiringa and Ray Reiter [2002]. *Specifying Semantics of Active Databases in the Situation Calculus (Extended Abstract)*, submitted
- Iluju Kiringa [2002]. *Specifying Event Logics for Active Databases*, to appear in the Proceedings of the *8th KR Workshop on Knowledge Representation Meets Databases (KRDB'02)*, Toulouse, April 2002
- Iluju Kiringa [2001]. *Simulation of Advanced Transaction Models Using GOLOG*, in Proceedings of the *8th Biennial Workshop on Data Bases and Programming Languages (DBPL'01)*, Rome, September 2001
- Iluju Kiringa [2001]. *Towards a Theory of Advanced Transaction Models in the Situation Calculus (Extended Abstract)*, in Proceedings of the *VLDB 8th International Workshop on Knowledge Representation Meets Databases (KRDB'01)*, Rome, September 2001.
- Iluju Kiringa [2001]. *A Theory of Advanced Transaction Models in the Situation Calculus*, short paper, LICS'01, Boston, June 2001

Work in Progress

- *Model Checking Meets Theorem Proving: a Situation Calculus Based Approach*. Work done in collaboration with Yilan Gu, to be submitted soon
- *A General Theory of Database Transaction Models*. Work extending a general theory of relational database transactions developed in previous papers; to be submitted to *ACM Transactions on Database Systems*
- *Executing Active Relational Theories*. Extension of a paper by Ray Reiter and me on the semantics of active databases. To be submitted to *ACM Transactions on Computational Logic*

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SERVICES

- Organizer of the meetings of the Cognitive Robotics Group, [Jan. 2001 – Aug. 2002]
University of Toronto

TALKS

Seminars

- *Logical Foundations of Active Databases*, [March 2002, April 2002, May 2002]
U. of Toronto, U. of Montreal, and U. of Ottawa
- *Simulation of Advanced Transaction Models Using GOLOG*, [Oct. 2001]
Database Group, University of Toronto
- *Simulation of Advanced Transaction Models*, Cognitive Robotics, U. of Toronto [Sept. 2001]

Conferences

- *Specifying Event Logics for Active Databases*, KRDB'02 [Toulouse, April 2002]
- *Simulation of Advanced Transaction Models Using GOLOG*, DBPL'01 [Rome, Sept. 2001]
- *Towards a Theory of Advanced Transaction Models in the Situation Calculus*, KRDB'01 [Rome, Sept. 2001]
- *A Theory of Advanced Transaction Models in the Situation Calculus*, LICS'01 [Boston, June 2001]

REFERENCES

- Professor Raymond Reiter, Department of Computer Science, University of Toronto 10 King's College Road, Toronto, Canada, M4Y 3G4; reiter@cs.toronto.edu
- Professor John Mylopoulos, Department of Computer Science, University of Toronto 10 King's College Road, Toronto, Canada, M4Y 3G4; jm@cs.toronto.edu
- Professor Anthony Bonner, Department of Computer Science, University of Toronto 10 King's College Road, Toronto, Canada, M4Y 3G4; bonner@cs.toronto.edu
- Professor Gerhard Lakemeyer, Department of Computer Science V, Aachen University of Technology, Ahornstr. 55, D-52056 Aachen, Germany; gerhard@informatik.rwth-aachen.de
- Professor Hector Levesque, Department of Computer Science, University of Toronto 10 King's College Road, Toronto, Canada, M4Y 3G4; hector@cs.toronto.edu