

CURRICULUM VITAE

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ROBERT ANTHONY KOWALSKI

Senior Research Fellow
 Emeritus Professor of Computational Logic
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EDUCATION:

1958-59	University of Chicago
1960-63	University of Bridgeport, BA Mathematics
1963-64 and 1965-66	Stanford University, MSc Mathematics
1964-65	Mathematics Institute, Polish Academy of Sciences and University of Warsaw, Mathematical Logic
1967-70	University of Edinburgh, IBM Research Fellowship, PhD Computer Science

MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS (Past and present memberships)

- American Association for Artificial Intelligence
- Association for Artificial Intelligence and Law
- Association for Artificial Intelligence and Simulation of Behaviour
- Association for Automated Reasoning
- Association for Computing Machinery
- Association for Logic Programming
- British Computer Society
- European Association for Logic, Language and Information (FoLLI)
- Interest Group in Propositional and Predicate Logics

EMPLOYMENT:

1966-67	Assistant Professor and Acting Head, Mathematics Department, Inter American University, San Juan, Puerto Rico
1970-75	Research Fellow, Department of Computational Logic, University of Edinburgh
1975-82	Reader in Computing, Department of Computing and Control (Department of

	Computing since 1980), Imperial College, University of London
1982-1999	Professor of Computational Logic, Department of Computing, Imperial College, University of London
1999-present	Senior Research Investigator, Emeritus Professor, Department of Computing, Imperial College London

VISITING ACADEMIC OR RESEARCH APPOINTMENTS:

1972, 1974	University of Marseille, Luminy, France
1972, 1978, 1981	University of Syracuse, New York
1974	Ricerche Istituto per le Applicazioni del Calcolo, Rome
1999	University of Melbourne
2000, 2001	Meme Media Laboratory, Hokkaido University, Japan
2001	Swiss Federal Institute of Technology at Lausanne (EPFL)
2005	Universidad de Los Andes, Venezuela
2002, 2006	National Institute of Informatics, Tokyo, Japan
2007	Centro de Inteligência Artificial (CENTRIA), Universidade Nova de Lisboa

DEPARTMENTAL RESPONSIBILITIES AT IMPERIAL COLLEGE

1975-84	Member of Academic Committee
1978-82	Chairman of Academic Committee and Director of Studies
1979-82 and 1984	Member of Departmental Management Committee
1978-82	Member of Appointments and Staff Review Committees
1985-87 and 1990-96	Head of Logic Programming Section
1994-97	Senior Deputy Head of Department and member of Departmental Executive Committee
1997-99	Head of Department

PHD SUPERVISION

David Warren, Applied Logic - its Use and Implementation as Programming Tool. (University of Edinburgh). 1977. Professor Emeritus, Department of Computing, University of Bristol.

Christopher Hogger, Derivation of Logic Programs. 1978. Senior Lecturer in Department of Computing, Imperial College.

Keith Clark, Predicate Logic as a Computational Formalism. 1980. Professor in Department of Computing, Imperial College.

Marek Sergot, The Formalisation of Legal reasoning. Professor in Department of Computing, Imperial College.

George Pollard, Parallel execution of Horn clause programs. 1981.

- Christopher Moss, *The Formal Description of Programming Languages Using Predicate Logic*. 1981.
- Fariba Sadri, *A Theorem-Proving Approach to Database Integrity*. 1988. Senior Lecturer in Department of Computing, Imperial College.
- Kave Eshghi, *Meta-language in Logic Programming*. 1986. Senior Researcher, Hewlett-Packard Research Laboratories, Bristol.
- Jin-Sang Kim, Lecturer, Keimyung University, Taegu, Korea.
- David Frost, *The Design of a Natural Language Interface for Medical Expert Systems*. 1990. Department of Psychiatry, UCMSM.
- Suryanarayana Sripada, *Temporal Reasoning in Deductive Databases*. Senior Researcher, The Boeing Company, Seattle.
- Francis McCabe, *Logic and Objects*. 1989. Senior Researcher, Fujitsu Research Laboratories, California.
- Francesca Toni, *Abductive Logic Programming*. 1995. Lecturer, Department of Computing, Imperial College.
- Tze Ho Fung, *Theorem Proving Approach with Constraint Handling and its Application on Database*. 1996. Hong Kong Examinations and Assessment Authority.
- Gerhard Wetzel, *Abductive and Constraint Logic Programming*. 1997.
- Jacinto Davila, *Agents in Logic Programming*. 1997. Lecturer, Universidad de Los Andes, Mérida, Venezuela.
- Christopher Preist, *Abductive Representation of Disjunctive Information*. 1998. Researcher Hewlett-Packard Research Laboratories, Bristol.
- Yongyuth Perpoontanalarp, *Logical Specification of Multi-Agent Systems*. 1998. Lecturer in King Mongkut University of Technology, Thailand.

RESEARCH GRANTS:

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|---------|---|
| 1975-78 | SRC grant for "Predicate Logic as a Programming Language" |
| 1978-81 | SRC grant for "Logic Programming" (with K L Clark) |
| 1980-83 | SRC grant for "Logic as a Computer Language for Children" (two research assistants) |
| 1981-83 | Nuffield Foundation grant in support of "Logic as a Computer Language for Children" |
| 1982 | SERC visiting fellowship for Professor John McCarthy, Stanford University (May 1982) |
| 1982-83 | SERC visiting fellowship for Professor Maarten van Emden, University of Waterloo, (September 1982 - September 1983) |
| 1982-85 | SERC grant for "Logic Databases" (two research assistants) |
| 1982-85 | Sinclair Research grant in additional support of "Logic as a Computer Language for Children" (one research assistant) |
| 1983-84 | SERC Visiting Fellowship for Professor Dov Gabbay, Bar-Ilan University, (September 1983 - September 1986) |
| 1983-85 | Nuffield Foundation grant in further support of "Logic as Computer Language for Children", (one research assistant) |
| 1983-86 | SERC grant for "Logic-based Man-machine Interaction, (one research assistant) |
| 1983-86 | ICL University Research Council grant for Expert Systems, (one research assistant, with K L Clark) |

1983-86	ICL University Research Council grant for PROLOG implementation, (one research assistant, with K. L. Clark)
1984-85	ESPRIT project ALPES, an environment for logic programming, (two research assistants, with K L Clark, J Darlington and C J Hogger)
1984-87	ALVEY grant: A logic-based front end for the statistics package, GLIM (one research assistant, with D Cox, P Hammond and M J Sergot)
1984-89	ALVEY DHSS Demonstrator Project (three research assistants, with M J Sergot)
1985-88	ALVEY grant: Logic for representing legislation, (two research assistants, with M J Sergot)
1986-89	ALVEY grant: Logic Databases, (two research assistants, with M J Sergot)
1985-94	Hitachi support for logic programming
1984-86	ALVEY support for management of research projects
1985-86	ALVEY support for IKBS "Journeyman" Scheme
1987-88	DTI support for IKBS "Journeyman" Scheme
1989-91	ESPRIT project EQUATOR, temporal reasoning (two research assistants, with M J Sergot)
1989-91	ESPRIT Basic Research Action in Computational Logic (project co-ordinator, two research assistants)
1989-91	ESPRIT Basic Research Working Group in Foundations of Legal Reasoning
1990-95	Fujitsu support for abduction (one research assistant)
1991-92	ESPRIT Network of Excellence in Computational Logic (founding chairman)
1992- 93	ESPIRIT Basic Research Project in Computational Logic, Compulog 2, (one research assistant)
1993-96	ESPRIT Logic Programming in Knowledge Representation and Reasoning (collaboration with P M Dung, Bangkok)
1994-95	Human Capital and Mobility, Compulog Group, Co-operation in Computational Logic (Fellowship for Danilo Montesi)
1997-2000	EPSRC grant for "Logic-based Multi-agent Systems" (one research assistant, with Fariba Sadri)

CONFERENCE AND WORKSHOP ORGANISATION:

International Symposium on Proving and Improving Programs

July 1975 Member of programme committee, Arc-et-Senans, France

Logic Programming Conferences

May 1976 Organiser of workshop, Imperial College, London
 July 1980 Member of programme committee, Debrecen, Hungary
 April 1981 Co-organiser of workshop, Syracuse, New York
 September 1982 Member of programme committee, Marseille, France
 August 1988 Chairman of programme committee, Seattle, Washington
 October 1989 Member of programme committee, Cleveland, Ohio

Conference on Automated Deduction

July 1980 Joint programme chairman, Les Arcs, France
 June 1982 Member of programme committee, New York, USA
 July 1986 Member of programme committee, Oxford, UK

Functional Languages and Computer Architecture

September 1981 Member of programme committee, New Hampshire, USA

BCS Conference on Knowledge Based Systems

September 1982 Member of programme committee, London, UK

International Joint Conference on Artificial Intelligence

August 1983 Member of programme committee, Karlsruhe, Germany

Workshop on Artificial Intelligence and Database Research

June 1985 Member of advisory committee, Crete

Colloquium on Functional and Logic Programming and Specification (TAPSOFT 87)

March 1987 Member of organising committee and programme committee, Pisa, Italy

International Conference on Principles of Knowledge Representation and Reasoning

May 1989 Member of programme committee, Vancouver, Canada
 April 1991 Member of programme committee, Cambridge, Massachusetts

Third International Congress: Logic, Computing and Law

November 1989 Member of scientific committee, Florence, Italy

Conference on Knowledge-Based Computer Systems

December 1989 Member of international advisory committee, Bombay, India
 December 1990 Member of international advisory committee, Pune, India
 December 1996 Member of programme committee, Bombay, India

Conference on Extending Data Base Technology

May 1990 Member of programme committee, Venice, Italy

Symposium on Computational Logic

November 1990 Member of programme committee, Brussels, Belgium

International Workshop on Processing Declarative Knowledge

July 1991 Member of programme committee, Kaiserslautern, Germany

Third Workshop on Metaprogramming in Logic

June 1992 Member of programme committee, Uppsala, Sweden

Compulog-net workshop on Logic Programming in Artificial Intelligence

March 1992 Organisation and programme committee chairman, London

International Conference on Formal and Applied Practical Reasoning

June 1996 Member of programme committee, Bonn, Germany

International Symposium on Methodologies for Intelligent Systems

June 1996 Member of programme committee, Zakopane, Poland

International Workshop on Logic in Databases

July 1996 Member of programme committee, San Miniato, Italy

Logic Programming and the Internet

December 1996 Organiser of workshop, Imperial College

Logic in Human Reasoning

March 1997 Co-organiser of workshop, London School of Economics

Logic Programming and Non-Monotonic Reasoning

July 1997 Member of programme committee, Dagstuhl, Germany

Logical Foundations of Common sense Reasoning

January 1998 Member of programme committee, London

Logic Programming and Distributed Knowledge Management

April 1999 Organiser of workshop, London

OTHER PROFESSIONAL SERVICE:

- 1980-86 British Computer Society Special Interest Group in Expert Systems
Member of steering committee. Vice-chairman from January 1982
- 1980 Advisory Board member for anthology of papers on Automated Theorem Proving,
published by Springer Verlag
- 1980-83 Member of Science and Engineering Research Council Subcommittee for
Computing and Communications
- 1981-82 SERC ad hoc panel on knowledge based systems
- 1981 Participant in EEC ESPRIT study on advanced information processing
- 1982 Organiser of SERC workshop on logic programming and its computer architecture
- 1982 Member of SERC Information Engineering Committee Working Party on Further
'Education and Training
- 1982 British Council sponsored study of the Fifth Generation Project in Japan
(22 November-10 December)
- 1983 SERC assessor for lectureships in Information Technology
- 1983 Member of Advisory Panel for SPL Insight Programme
- 1983 Steering Committee, SERC/DOI IKBS Architecture study
- 1983-present Editorial Board, New Generation Computing Journal
- 1983-2000 Editorial Board, Logic Programming Journal
- 1984 Coordinator, Inference Research Theme, IKBS Directorate, Alvey Programme

- 1984 SERC panel on British-Japanese research collaboration in Engineering (July)
- 1984 British Council sponsored research tour. Tata Institute, Bombay (December)
- 1984 Co-organiser of Alvey Programme Study on Logic Programming
- 1985 British Council sponsored lecture tour, 2 day seminars in Madras, Bangalore, Trivandrum (November)
- 1986-present Editorial Board, Mind and Language
- 1986 Associate Editor, Addison-Wesley Series on Logic Programming
- 1986-1998 Association for Logic Programming
Honorary Secretary
- 1987 Consultant to ESPRIT project, INDOC
- 1987-91 Scientific Advisor to U.N.D.P. sponsored "Knowledge Based Computer Systems Project" in India.
- 1987-89 Co-chairman Artificial Intelligence technical area, PACE (European Programme of Continuing Education)
- 1989-1998 Scientific Advisory Board member, Deutsches Forschungszentrum für Künstliche Intelligenz
- 1989 Member of Scientific Committee of Centro Interdipertimentale di Ricerca in Filosofia del Diritto e Informatica Giuridica "H Kelsen" dell'Università degli Studi di Bologna
- 1990-present Editorial board, Journal of Logic and Computation
- 1990-present Editorial board, Journal of Artificial Intelligence and Law
- 1990-present Editorial Advisory Board, IEICE transactions on Information and Systems
- 1991 Editorial Board, ESPRIT Basic Research Series
- 1993-present Editorial Board, Interest Group in Propositional and Predicate Logics
- 1994 Correspondent of the Scientific Committee of the Journal "Informatica e Diritto"
- 1995 Editorial Board, Vivek Quarterly Journal in Artificial Intelligence, NCST, Bombay, India
- 1995 Member EPSRC Computing College
- 1995-96 Co-organiser Joint Imperial College LSE Seminar on Practical Reasoning
- 1996 Editorial Board, Electronic Journal of Positive Reviews in Logic and Artificial Intelligence
- 2000-present Editorial Board, Theory and Practice of Logic Programming (TPLP)
- 2002 Advisory Board, Springer Book-Series on Cognitive Science and Artificial Intelligence
- 2003-present Advisory Board, National Institute of Informatics, Tokyo, Japan
- 2007-present International Advisory Board, CENTRIA, Universidade Nova de Lisboa.
- 2008-present Consultant to the World Health Organisation, Geneva.

INVITED CONTRIBUTIONS TO WORKSHOPS AND CONFERENCES:

- 1968 Symposium on Automatic Demonstration. Invited paper. Versaille, France

- 1968 Fourth Systems Symposium. Panel presentation. Case Western Reserve University
- 1968 Machine Intelligence Workshop 4. Invited paper. Edinburgh
- 1969 Machine Intelligence Workshop 5. Invited paper. Edinburgh
- 1972 Conference on Mathematical Foundations of Computer Science. Invited presentation. Jablonna, Poland
- 1973 Workshop on Automatic Problem Solving. Invited presentation. Pajaro Dunes, California
- 1976 Workshop on Automatic Theorem Proving. Invited presentation. Oberwolfach, Germany
- 1978 Workshop on Logic and Databases. Invited paper. Toulouse, France
- 1979 Workshop on Applicative Languages and Computer Architecture. Invited presentation. Newcastle
- 1979 Workshop on Program Transformation. Invited presentation. Harvard University
- 1979 IFIP meeting of working group 2.1. Invited presentation. Summit, New Jersey
- 1980 Conference on Very Large Databases. Panel presentation. Montreal
- 1981 Workshop on Functional Languages and Computer Architectures. Panel presentations. Gothenberg, Sweden
- 1981 Workshop on Logic Programming for Intelligent Systems. Invited presentations. Los Angeles
- 1981 Workshop on Theoretical Issues in Databases. Short course, lectures on logic in databases. Calabria, Italy
- 1981 Seminar on Cross Currents of Computer Science. University of New Hampshire
- 1981 Conference on Functional Languages and Computer Architectures. Panel presentation. Portsmouth, New Hampshire
- 1981 Annual Italian Computer Association Congress. Invited paper. Pavia, Italy
- 1982 Workshop on Prolog Programming Environments. Invited paper. Linkoping, Sweden
- 1982 Interdisciplinary Conference on Language, Reasoning and Inference. Invited paper. Edinburgh
- 1982 European Conference on Artificial Intelligence. Invited paper. Orsay, France
- 1982 Conference on Fifth Generation Computer Systems. Systems Programmers Limited. Invited paper. London
- 1982 Conference on Fifth Generation Computer Systems. Pergamon Infotech. Invited paper. London
- 1982 UK National Computer Conference. Invited presentation. Wembley, London
- 1983 Workshop on Program Specification. Invited paper. York
- 1983 Conference on Computer Assisted Learning. Invited paper. Bristol
- 1983 Easter Conference on Artificial Intelligence and Education. Invited paper. Exeter
- 1983 International Federation of Information Processing. Invited paper. Paris (September)

- 1983 BCS Conference on Expert Systems. Invited paper. Cambridge (December)
- 1984 Royal Society Discussion Meeting on "Mathematical Logic and Programming Languages". Invited paper. London (February)
- 1984 Logic Programming Conference. Keynote Speaker. Uppsala, Sweden (July)
- 1984 British National Conference on Databases, 3. Invited paper. Leeds (July)
- 1984 Fifth Generation Software. Programming Logic Systems. Leader of Seminar. New York, (August)
- 1984 Inter-University Advanced Course on Logic Programming. Presenter. Rio de Janeiro, Brazil (November)
- 1984 IEEE Conference on Computers, Systems and Signal Processing. Invited Speaker. Bangalore, India (December)
- 1984 Fourth Conference on Foundations of Software Technology and Theoretical Computer Science. Keynote Speaker. Bangalore, India (December)
- 1985 Seminar on Logic Programming, Association for Computing Machinery. Presenter. Boston, Massachussets (March)
- 1985 Conference on Artificial Intelligence and its Applications. Invited speaker. Capri (May)
- 1985 British Association for the Advancement of Science, Annual Meeting. Invited Speaker. Strathclyde University (August)
- 1985 Summer School on Logic Programming. Invited lectures. Turku, Finland (August).
- 1985 Symposium on Logic Programming. Tutorial on Logic Programming. Boston, Massachussets (with F Kriwaczek, July)
- 1986 ACM Computer Science Conference. Keynote Speaker. Cincinnati, Ohio (February)
- 1986 International Conference on Logic Programming. Tutorial on Logic Programming. London (with F Kriwaczek, July)
- 1986 Conference on Automated Deduction. Banquet Speaker. Oxford (July)
- 1986 2nd International Conference on Artificial Intelligence-Methodology, Systems, Applications. Invited Speaker. Varna, Bulgaria (September)
- 1987 International Conference on Logic Programming. Banquet Speaker. Melbourne (May)
- 1987 Seminar on Advanced Data and Knowledge Base Systems. Invited speaker. Capri (June)
- 1987 Annual Conference of the British Society for the Philosophy of Science. Invited Speaker
- 1987 Second International GI-Kongress on Knowledge-Based Systems. Invited speaker. Munich (October)
- 1987 Seminar on Logic Programming. Presenter. Lyngby, Denmark (October)
- 1987 IBM seminar on Mechanization of Intelligence and Brain Models. Sendai, Japan (November)
- 1988 Workshop on Machine Learning, Meta-Reasoning and Logics. Invited Speaker. Sesimbra, Portugal (February)

- 1988 Expert Database Systems Conference. Panel on Knowledge Management. Tyson's Corner, Virginia, USA (April)
- 1988 Knowledge Based Computer Systems Conference. Invited Speaker. Bangalore, India (June)
- 1988 International Conference on Automata, Languages and Programming (ICALP). Invited Speaker. Tampere, Finland (July)
- 1988 International Conference on Logic Programming. Tutorial on Logic and Legal Reasoning. Seattle (August)
- 1988 International Symposium on Methodologies for Intelligent Systems. Invited Speaker. Torino, Italy (October)
- 1989 U.K. Logic Programming Association Workshop. Keynote Speaker. London (February)
- 1989 Conference on Law and Artificial Intelligence. Keynote Speaker. Bologna, Italy (May)
- 1989 Eurotra Conference. Tutorial on Knowledge Representation. Portugal (September)
- 1989 UNESCO Symposium on Artificial Intelligence in Higher Education. Keynote Speaker. Prague (October)
- 1990 U.K. Logic Programming Association Workshop. Invited Speaker. Bristol (March)
- 1990 Meta 90 Workshop. Invited Speaker. Leuven, Belgium (April)
- 1990 International Conference on Logic Programming. Banquet Speaker. Jerusalem, Israel (June)
- 1990 Logic Programming Conference of Japan. Keynote Speaker. Tokyo, Japan (July)
- 1990 Summer School on Logic, Natural Language, Computation. Tutorial Presentation. Leuven, Belgium (August)
- 1990 Advanced Summer School on Logic Programming. Lectures on Knowledge Representation. Zurich (August)
- 1990 European Conference on Artificial Intelligence. Invited lecture on "Achievements of ESPRIT Basic Research". Stockholm (August)
- 1990 Summer School on Foundations of Logic Programming. Lectures on logic programming for AI. Alghero, Italy (September)
- 1990 ESPRIT Conference. Invited Lecture. Brussels (November)
- 1990 Symposium on Computational Logic. Invited lecture and panel presentation. Brussels (November).
- 1991 Seminar on Expert Systems and their Micro Computer Applications. Invited Speaker. Ankara, Turkey (May)
- 1991 Lecture course on knowledge representation and reasoning. Faculty of Law, Bologna (May-June).
- 1991 Italian Logic Programming Association Conference. Invited Speaker. Pisa (June)
- 1991 Information Technology into the 90's. Invited Speaker. London (June)
- 1991 International Conference on Logic Programming. Keynote Speaker. Paris (June)
- 1991 13th IMACS World Congress on Computation and Applied Mathematics. Invited Speaker. Dublin (July)

- 1991 International Joint Conference on Artificial Intelligence. Invited speaker. Sydney (July)
- 1991 German Logic Programming Association Workshop. Invited speaker. Berlin (October)
- 1991 Dutch Conference on Artificial Intelligence. Invited speaker. Amsterdam (December)
- 1992 Fifth Generation Computer Systems Conference. Panel Chairman. Tokyo (June)
- 1992 Compulog-Net summer school on applications of logic programming. Invited lectures. Zurich (September)
- 1992 JAIST International Symposium on Advanced Information Science. Invited speaker, Kanzawa, Japan (October)
- 1992 Research Conference on Logic, Language and Information. Invited speaker, Autrans, France (December)
- 1992 Symposium on Logic in Databases, Knowledge, Representation and Reasoning. Invited speaker, College Park, Maryland (November)
- 1992 Logic Programming in Artificial Intelligence. 2 day lecture course. ICCF, London (September)
- 1993 Logic Programming and Non-Monotonic Reasoning. Invited speaker. Lisbon, (June)
- 1993 Dagstuhl Seminar on Reasoning and Argumentation. Invited Speaker, Schloss Dagstuhl, Germany (August)
- 1994 Workshop on Theorem Proving with Analytic Tableaux. Invited speaker. Abingdon (May)
- 1994 Workshop on Logic Programming and Law, ICLP, Invited speaker, Santa Margherita, Italy, (June)
- 1994 Workshop on Legal Reasoning, FGCS Conference. Invited speaker, Tokyo (December)
- 1995 Fifth International Conference on Artificial Intelligence and Law. Invited speaker, Washington, D.C. (May)
- 1995 Workshop on Deductive Databases and Abduction, ICLP, Invited speaker, Kanagawa, Japan, (June)
- 1995 15th International Machine Intelligence Workshop, Invited speaker. Oxford, (July)
- 1995 GULP-PRODE95. Invited speaker, Salerno, Italy, (September)
- 1996 PAAM96, Conference on Practical Application of Intelligent Agents and Multi-agent Technology, Invited speaker, London, (March)
- 1996 International Workshop on Logic in Databases, San Miniato, Italy, (July)
- 1996 Benelog Conference. Invited Speaker, Louvain la Neuve, (September)
- 1996 Joint European Conference on Logic in Artificial Intelligence, Invited speaker, Evora, Portugal, (September)
- 1996 Argumentation Day. Invited Speaker, Maastricht, (December)
- 1997 AISB Workshop on Practical Reasoning and Rationality. Invited Speaker, Manchester, (April)
- 1997 International Conference on Logic Programming. Tutorial on Logic Programming and Intelligent Agents, Leuven, (July)

- 1997 Conference on Logic, Philosophy and Computer Science, Invited Speaker, Queretaro, Mexico (September)
- 1998 Workshop on Strategic Directions for Logic Programming, Invited Speaker, Shakertown, Kentucky, (April)
- 1998 Workshop on Logic Programming and Non-monotonic reasoning, Invited Speaker, Trento, Italy, (May)
- 1998 British Society for the Philosophy of Science: Annual Conference. Invited Speaker, Reading, (September)
- 1998 Chilean Conference on Computer Science, Invited Speaker, Antofagasta, Chile, (November)
- 1999 Pacific Rim Conference on Artificial Intelligence, Invited Speaker, Singapore, (November)
- 2000 Jubilee of University Professors, Information Science and Technology for the Next Century, Invited Speaker, Rome, (September)
- 2001 CLEI2001 Conference, Mérida, Venuzuela, Invited Speaker, (September)
- 2001 International Conference on Logic Programming, Invited Speaker, Cyprus, (November)
- 2002 EDUSAT and Internet seminar at the National Autonomous University of Mexico (UNAM), Mexico City (November)
- 2003 International Conference on Digital Aided Modelling and Simulation, Keynote Speaker, Coimbatore, India (January)
- 2003 Workshop on Intuitive Human Interface for Organizing and Accessing Intellectual Assets, Invited Speaker, Sapporo, Japan (March)
- 2003 Anniversary of Founding of the Department of Computing, Benemerita Universidad Autonoma de Puebla, Mexico, Invited Speaker and Workshop Presenter (November)
- 2005 Mexican International Conference in Computer Science, ENC'05, Invited Speaker, Puebla, Mexico (Sept)
- 2007 Course on Logic-based Agents (with Fariba Sadri), Summer School on Logic for Artificial Intelligence, ACAI 2007, Leuven, Belgium (August)
- 2008 Course on Computational Logic in Human Reasoning, ICCL Summer School 2008: Computational Logic and Cognitive Science (ICCL-SS-2008) TU Dresden, (August)
- 2009 Third International Conference of Web Reasoning and Rule Systems, RR2009, Invited Speaker, Chantilly, VA, USA (October)
- 2009 National Computer Science and Engineering Conference, NCSEC 2009, Invited Speaker, Bangkok, Thailand (November)
- 2011 Tutorial on Computational Logic and Human Thinking, International Spring School on Computational Logic (ISCL). Bertinoro, Italy (April)

OTHER DISTINCTIONS:

- 1963 Woodrow Wilson and US National Science Foundation Fellowships
- 1983 MIT Distinguished Lecture. Cambridge, Massachussets
- 1984 Insight Award for Contributions to Fifth Generation Computing

- 1987 Cray Distinguished Lectureship. University of Minnesota
- 1987 Annual IBM public lecture. University of East Anglia
- 1988 Honorary Distinguished Alumnus, Phi Kappa Phi. University of Bridgeport
- 1990 "Docente a titolo individuale" Centro Interdipartimentale di Ricerca in Filosofia del Diritto e Informatica. Giuridica "H Kelsen", dell'Università degli Studi di Bologna
- 1991 Fellow, American Association for Artificial Intelligence
- 1993 Turing Lecture. Strathclyde University, Glasgow
- 1997 Fellow, City and Guilds of London Institute
- 1998 Fellow, Deutsches Forschungszentrum für Künstliche Intelligenz
- 1999 Fellow, ECCAI (the European Coordinating Committee for Artificial Intelligence)
- 1999-2000 Miegunyah Distinguished Fellow, University of Melbourne
- 2000 Fellow of the ACM (Association for Computing Machinery)
- 2001-2002 CLUSTER Chair, Swiss Federal Institute of technology at Lausanne (EPFL)
- 2001 Special issue of ACM Transactions on Computational Logic (TOCL) Volume 2, Number 4 (October 2001) "Dedicated to Robert A Kowalski".
- 2002 Computational Logic: Logic Programming and Beyond, Essays in Honour of Robert A. Kowalski (eds. A C Kakas and F Sadri) Springer, 2002.
- 2003 First Annual Boole Lecturer in Informatics, Invited Speaker, University of Cork, Ireland

PUBLICATIONS AND OTHER ARTICLES:

- 1 Kowalski, R. and Hayes, P. J., "Semantic Trees in Automatic Theorem-Proving", in *Machine Intelligence 4*, (eds. B. Meltzer and D. Michie), Edinburgh University Press, 1969, pp. 181-201. Reprinted in *Anthology of Automated Theorem-Proving Papers*, Vol. 2, Springer-Verlag, 1983, pp. 217-232.
- 2 Kowalski R., "The Case for Using Equality Axioms in Automatic Demonstration", in *Symposium on Automatic Demonstration*, Lecture notes in Mathematics, Vol. 125, Springer-Verlag, 1970, pp. 112-127. Reprinted in *Anthology of Automated Theorem-Proving Papers*, Vol. 2, Springer-Verlag, 1983, pp. 377-398.
- 3 Kowalski, R., "Search Strategies for Theorem-proving", in *Machine Intelligence 5*, (eds. B. Meltzer and D. Michie), Edinburgh University Press, 1970, pp. 181-201.
- 4 Kowalski, R., "Studies in the Completeness and Efficiency of Theorem-proving by Resolution", *Ph.D. Thesis, University of Edinburgh*, 1970.
- 5 Hayes, P. J. and Kowalski, R., "Automatic Theorem Proving", *Lecture Notes, Department of Artificial Intelligence, University of Edinburgh*, 1971.
- 6 Kowalski, R. and Kuehner, D., "Linear Resolution with Selection Function", in *Artificial Intelligence*, Vol. 2, 1971, pp. 227-60. Reprinted in *Anthology of Automated Theorem-Proving Papers*, Vol. 2, Springer-Verlag, 1983, pp. 542-577.
- 7 Kowalski, R., "And-or Graphs, Theorem-proving Graphs and Bi-directional Search", in *Machine Intelligence 7*, (eds. B. Meltzer and D. Michie), Edinburgh University Press, 1972, pp. 167-94.
- 8 Kowalski, R., "Logic for Problem-Solving", *DCL Memo 75, Department of Artificial Intelligence, University of Edinburgh*, 1974.

- 9 Kowalski, R., "Predicate Logic as Programming Language", in *Proceedings IFIP Congress*, Stockholm, North Holland Publishing Co., 1974, pp. 569-574. Reprinted in *Computers for Artificial Intelligence Applications*, (eds. Wah, B. and Li, G.-J.), IEEE Computer Society Press, Los Angeles, 1986, pp. 68-73.
- 10 Kowalski, R., "A Proof Procedure Using Connection Graphs", in *JACM* Vol. 22, No. 4, 1975, pp. 572-595.
- 11 van Emden, M. and Kowalski, R., "The Semantics of Predicate Logic as a Programming Language", in *JACM*, Vol. 23, No. 4, 1976, pp. 733-742.
- 12 Kowalski, R., "Logic for Data Description" in *Logic and Data Bases*, (eds. H. Gallaire and J. Minker), Plenum Press, 1978, pp. 77-103. Reprinted in *Readings in Artificial Intelligence and Databases*, (eds. J. Mylopoulos and M. Brodie), Morgan Kaufman, 1989, pp. 259-271.
- 13 Deliyanni, A. and Kowalski, R., "Logic and Semantic Networks", in *CACM*, Vol. 22, No. 3, 1979, pp. 184-192.
- 14 Kowalski, R., "Algorithm = Logic + Control", in *CACM*, Vol. 22, No. 7, 1979, pp. 424-436. Reprinted in *Programming Languages: A Grand Tour*, Third Edition, (ed. E. Horwitz), Computer Science Press, Maryland, 1986, pp. 480-492.
- 15 Kowalski, R., "Prolog as a Logic Programming Language", in *Proceedings of AICA Congress*, Pavia, Italy, Sept. 1981, pp. 1029-1034.
- 16 Kowalski, R., "Logic as a Computer Language", in *Logic Programming*, (eds. K. Clark and S-A. Tarnlund), Academic Press, 1982, pp. 3-16. Earlier version in *Proc. of Infotech State of the Art Conference on Software Engineering*, London, June 1980. Also in *Proceedings of Seminar on Cross Currents of Computer Science*, University of New Hampshire, Oct. 1981.
- 17 Bowen, K. and Kowalski, R., "Amalgamating Language and Meta-language in Logic Programming", in *Logic Programming*, (eds. K. Clark and S-A. Tarnlund), Academic Press, 1982, pp. 153-172.
- 18 Kowalski, R., "Amalgamating Object Level and Meta-level Reasoning", in *Proceedings of Conference on Language, Reasoning and Inference*, Edinburgh, March 1982.
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