

## CURRICULUM VITAE

September 2017

### ROBERT ANTHONY KOWALSKI

Distinguished 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        Stanford University, MSc Mathematics  
1965-66  
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)

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

1999-2011 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 Instituto 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

2012 University of Kyoto, Japan

2013, 2014 National Institute of Informatics, Tokyo, Japan

**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. Professor, 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:**

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 Captital 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)
- 2011-2012 Imperial College EPSRC Pathways to Impact funding, to support the implementation of LPS. (with Fariba Sadri)
- 2016-2017 Imperial College EPSRC Pathways to Impact funding, to support the online implementation of LPS, reachable from [lps.doc.ic.ac.uk](http://lps.doc.ic.ac.uk) (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

### **JURISIN**

October 2013 Member of programme committee, Yokohama, Japan

November 2014 Member of programme committee, Kanagawa, Japan

November 2015 Member of advisory committee, Kanagawa, Japan

### **ReactKnow**

August 2014 Member of programme committee, Prague

### **RuleML**

August 2015 Member of programme committee, Berlin

### **CLOUT (Computational Logic for Use in Teaching)**

January and May 2017 Co-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
1983-2013	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.
2008-2013	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. Pergammon 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, Massachusetts (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, Venezuela, 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)
- 2011 Tutorial on Computational Logic and Human Thinking, CADE – the 23rd International Conference on Automated Deduction. Wroclaw, Poland (August)
- 2011 JURISIN: Fifth International Workshop on Juris-informatics, Invited Speaker, Takamatsu, Japan (December)
- 2012 RuleML: The 6<sup>th</sup> International Symposium on Rules, Invited Speaker, Montpellier, France (August)
- 2012 The 6th International Conference on Web Reasoning and Rule Systems, the 4th International Conference on Computational Models of Argument and the Datalog 2.0 Workshop, Invited Plenary Speaker, Vienna, Austria (September)
- 2012 Course on Computational Logic and Human Thinking, University of Kyoto, (Sept-Dec)
- 2012 International Workshop on Information Search, Integration and Personalization, Sapporo, Japan, Keynote Speaker (October)
- 2012 International Joint Agent Workshop and Symposium, Tsumagoi, Japan, Invited Speaker (October)
- 2012 Anniversary Symposium of NII Shonan Meetings, Tokyo, Japan, Keynote Speaker (November)
- 2013 10<sup>th</sup> Annual Computing Department PhD Conference, Unviersity of Surrey, Academic Keynote Speaker, and Member of the Panel of Judges (March)
- 2013 Commonsense-2013, 11<sup>th</sup> International Symposium on Logical Formalization on Commonsense Reasoning, Cyprus, Keynote Speaker (May)
- 2013 LPNMR-2013 12<sup>th</sup> International Conference on Logic Programming and Non-monotonic Reasoning, Corunna, Spain, Keynote Speaker (September)
- 2014 HYBRUS, 4<sup>th</sup> Workshop on Hybrid Reasoning for Intelligent Systems, Leipzig, Invited Speaker (May)
- 2014 WIC 2014 Web Intelligence Conference, Warsaw, Keynote Speaker (August)
- 2015 ICAART 7th International Conference on Agents and Artificial Intelligence, Lisbon, Keynote Speaker (January)
- 2015 Chicago Society Conference on Technology and Society, Keynote Speaker (May)

- 2015 Boole Bicentenary, Cork, Invited Speaker (August)
- 2017 Tutorial on CLOUT (Computational Logic for Useful in Thinking), RuleML+RR 2017: International Joint Conference on Rules and Reasoning, London (July)
- 2017 RuleML+RR 2017: International Joint Conference on Rules and Reasoning, London, Banquet Speaker (July)
- 2017 Bridging the Gap: Is Logic and Automated Reasoning a Foundation for Human Reasoning? Workshop, CogSci 2017, London, Invited Speaker (July)
- 2017 CS&P 2017 - Concurrency, Specification, and Programming Workshop 2017, Warsaw, Invited Speaker (September)

**OTHER DISTINCTIONS:**

- 1963 Woodrow Wilson and US National Science Foundation Fellowships
- 1983 MIT Distinguished Lecture. Cambridge, Massachusetts
- 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, Association for the Advancement of 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
- 2002 First Annual Boole Lecture in Informatics, University of Cork, Ireland
- 2011 IJCAI (International Joint Conference on Artificial Intelligence) Award for Research Excellence
- 2012-2014 JSPS (Japan Society for the Promotion of Science) Award for Eminent Scientists

- 2014 Distinguished Lecture, University of Texas, Dallas
- 2016 Distinguished Lecture, Royal Holloway College, University of London

**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.
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