# KR'96 Fifth International Conference on Principles of Knowledge Representation and Reasoning KR'96

Cambridge, Massachusetts, U.S.A. — World Wide Web: `http://www.kr.org/kr/`
November 5–8, 1996 — Autoresponder: `kr96-info@kr.org`

Explicit representations of knowledge manipulated by inference algorithms provide an important foundation for much work in Artificial Intelligence, from natural language dialogue systems to expert systems. We intend KR'96 to be a place for the exchange of news, issues, and results among the community of researchers in the principles and practices of knowledge representation and reasoning (KR&R) systems.

We encourage papers that present substantial new results in the principles of KR&R systems while clearly showing the applicability of those results to implemented or implementable AI systems. We also encourage "reports from the field" of applications, experiments, developments, and tests. The following topics are meant to be suggestive of the scope of the conference.

- Representational Formalisms
  - Representations of Belief,
    - Intention
    - Time,
    - Space,
    - Action,
    - Events
  - Nonmonotonic Logics
  - Description Logics
- Reasoning Techniques
  - Deduction
  - Induction
  - Abduction
  - Reasoning under Uncertainty
  - Parallel and Distributed Implementations
  - Efficiency Measures and Complexity
- Implemented KR&R Systems
  - Reports, Updates
  - Comparisons, Evaluations
- Significant Applications
  - Planning
  - Robotics
  - Diagnosis
  - Natural Language
  - Multi-Agent Environments
  - Knowledge Bases
- Implications for/of
  - Machine Learning
  - Decision Theory
  - Databases
  - Software Engineering

**SCHEDULE**

| | |
|---|---|
| May 6, 1996 | Extended abstracts due |
| July 1, 1996 | Results to authors |
| August 15, 1996 | Final papers due |
| November 5-8, 1996 | KR'96 |

KR'96 will be held in Cambridge immediately preceding the AAAI Fall Symposia Series, and immediately after several independent workshops. Tentative information for the adjoining meetings is as follows, with all located in Cambridge, Massachusetts.

The **AAAI Fall Symposia Series** will be held November 9–11, 1996. For more information, see `http://www.aaai.org/`.

**Description Logic '96** will be held November 2–4, 1996. For more information contact the organizing committee at `dl96@dl.kr.org`. The organizing committee consists of Lin Padgham (chair), Deborah McGuinness, Peter Patel-Schneider, Enrico Franconi, and Manfred Gehrke.

**Relevance in Knowledge Representation and Reasoning** (RRR-96) will be held November 2–4, 1996. For more information, contact the organizers, Alon Levy and Russ Greiner, at `levy@research.att.com` and `greiner@scr.siemens.com`.

**SUBMISSION OF PAPERS:** The Program Committee will review EXTENDED ABSTRACTS rather than complete papers. Submissions must be at most twelve (12) pages, excluding the title page and the bibliography, with a maximum of 38 lines per page and an average of 75 characters per line (corresponding to the LaTeX article-style, 12pt). Overlength submissions will be rejected without review. All abstracts must be submitted on 8 1/2 by 11 inch or A4 paper, and printed or typed in 12-point font (10 characters per inch on a typewriter). Dot matrix printout, FAX, or electronic submission will not be accepted. Each submission should include the names and complete addresses (including email, when possible) of all authors. Correspondence will be sent to the first author, unless otherwise indicated. Also, authors should indicate under the title which of the topic areas listed above best describes their paper (if none is appropriate, please give a set of keywords that best describe the topic of the paper).

KR'96 is arranging with AAAI to handle the collection and acknowledgment of submissions. To be considered, five (5) paper copies of each extended abstract must be received no later than May 6, 1996 at the following address:

KR'96
c/o AAAI
445 Burgess Drive
Menlo Park, CA 94025

Receipt of submissions will be acknowledged, ordinarily by email. Remaining questions concerning receipt of submission may be addressed to AAAI at

Tel: 415-328-3123
Fax: 415-321-4457
Email: kr@aaai.org

**MULTIPLE SUBMISSIONS:** Submitted papers must be unpublished and substantively different from papers currently under review.

**NOTIFICATION:** Authors will be notified of the Program Committee's decision by July 1, 1996. Notification will be made by electronic mail whenever possible.

**FINAL PAPERS:** Authors of accepted papers will be expected to submit substantially longer full papers for the conference proceedings. Final camera-ready copies of the full papers will be due August 15, 1996. Final papers will be allowed at most twelve (12) double-column pages in the conference proceedings (corresponding to approximately 28 article-style LaTeX pages; a style file will be provided by the publisher).

**REGISTRATION:** Registration, lodging, and travel information will be distributed later; check the web page or autoresponder listed above for current information. KR'96 is arranging with AAAI to handle registration, including payment by credit card.

## CONFERENCE CHAIR

Jon Doyle
MIT Laboratory for Computer Science
545 Technology Square
Cambridge, MA 02139
USA
Voice: +1 (617) 253-3512
Fax: +1 (617) 258-8682
EMAIL: doyle@mit.edu

## PROGRAM CO-CHAIRS

Luigia Carlucci Aiello
Universit di Roma La Sapienza
Dipartimento di Informatica e Sistemistica
via Salaria 113
00198 Roma
ITALY
Voice: +39 6 8841947
Fax: +39 6 85300849
EMAIL: aiello@dis.uniroma1.it

Stuart C. Shapiro
State University of New York at Buffalo
Department of Computer Science
226 Bell Hall
Buffalo, NY 14260-2000
USA
Voice: +1 716 645 3180 ext. 125
Fax: +1 716 645 3464
EMAIL: shapiro@cs.buffalo.edu

## INTER-CONFERENCE COOPERATION CHAIR

Ronald P. Loui
Washington University, USA
EMAIL: loui@cs.wustl.edu

## PUBLICITY CHAIR

Werner Horn
Austrian Research Institute for Artificial Intelligence
Austria
EMAIL: werner@ai.univie.ac.at

## PROGRAM COMMITTEE
(Preliminary)

Syed Ali (SW. MO St. U., USA)
Fahiem Bacchus (U. Waterloo, Canada)
Afzal Ballim (EPFL, CH)
John A. Barnden (NM St. U., USA)
Ron Brachman (AT&T Bell Labs, USA)
Maurice Bruynooghe (Catholic Univ. of Leuven, BE)
Anthony G. Cohn (U. Leeds, UK)
Marie Odile Cordier (IRISA, FR)
Ernest Davis (NYU, USA)
Didier Dubois (IRIT, FR)
Thomas Eiter (T.U. Wien, AT)
Luis Farinas del Cerro (IRIT, FR)
Richard Fikes (Stanford U., USA)
Dov Gabbay (Imperial College, UK)
Peter Gaerdenfors (Lund U., SE)
Mike Georgeff (AAII, AU)
Fausto Giunchiglia (U. Trento, Italy)
Frank van Harmelen (Free Univ. of Amsterdam, NL)
Patrick Hayes (U. IL, USA)
Jim Hendler (U. Md, USA)
Eduard Hovy (USC/ISI, USA)
Hiroachi Kitano (Sony, JP)
Kurt Konolige (SRI, USA)
Sarit Kraus (Bar Ilan U., IL)
David Israel (SRI, USA)
Lucja Iwanska (Wayne St. U., USA)
Benjamin Kuipers (U. TX, USA)
Deepak Kumar (Bryn Mawr Coll., USA)
Gerhard Lakemeyer (U. Bonn, Germany)
Fritz Lehmann (Cycorp and GRANDAI, USA)
Doug Lenat (Cycorp, USA)
Maurizio Lenzerini (U. Roma, IT)
Hector Levesque (U. Toronto, Canada)
Vladimir Lifschitz (U. TX, USA)
Robert MacGregor (USC/ISI, USA)
Joao Martins (Tech Univ of Lisbon, PT)
Riichiro Mizoguchi (U. Osaka, JP)
Bernhard Nebel (U. Ulm, DE)
Hwee Tou Ng (DSO, Singapore)
Hans Juergen Ohlbach (Imperial College, UK)
Lin Padgham (RMIT, AU)
Ramesh Patil (USC/ISI, USA)
Anand Rao (AAII, Australia)
Ray Reiter (U. Toronto, Canada)
Jeff Rosenschein (Hebrew U., IL)
Erik Sandewall (Linkoeping U., SE)
Len Schubert (U. Rochester, USA)
John Sowa (U. Binghamton, USA)
Piero Torasso (U. Torino, IT)
Wolfgang Wahlster (DFKI, Germany)