The second Natural Language Understanding and Logic Programming (NLULP) Workshop was held on 17-19 August 1987 at Simon Fraser University, Vancouver, British Columbia, Canada, (the first NLULP workshop was held three years ago in Rennes, France). About 70 participants from 10 countries attended the various talks and discussions in a particularly friendly and cooperative atmosphere. This workshop was sponsored by Simon Fraser University, the National Sciences and Engineering Research Council of Canada, the American Association for Artificial Intelligence, and the French Institut National de Recherche en Informatique et Automatique. The final proceedings will be published in April 1988 by North Holland.

Before briefly introducing the main trends of the workshop, let me precisely define what is meant by natural language understanding and logic programming. In light of some of the talks and discussions, it turns out that this title applies to works where logic programming (in particular, Prolog, although there are a number of other logic-programming languages) is viewed as a convenient implementation framework and a clear (and sometimes simple) formal framework for describing linguistic phenomena. However, as pointed out in several talks, it appears that the current logic-programming languages do not have all the tools and theoretical framework which most linguists and computational linguists need. For this reason, several author's presentations attempted to improve the explanatory coverage and power of various logic-programming languages with respect to natural language. In this range of ideas, practical, as well as formal, extensions have been proposed.

Although the NLULP community is still small, interest in this approach is rapidly increasing. I feel this increase is mainly the result of three major contributions to the field of logic programming: [1] the publication of several clear and relevant books and articles on the theoretical foundations of logic programming, [2] the addition of a number of good books on programming in Prolog, and [3] the commercialization of large and efficient Prolog interpreters and compilers available on many types of machines. These remarks implicitly suggest that the study of how natural language understanding (in its broadest sense) and logic programming could merge to produce well designed and efficient systems is still an open and attractive research field. Another point worth mentioning is that about half the speakers and half the audience at the workshop came from companies, which clearly indicates the high interest of the industrial community in this approach.

The first day of the workshop was devoted to syntax. Apart from a paper presenting comparisons between current implementations of grammar formalisms, the two main areas of concentration were compiler design for natural language grammar systems and the improvement of current logic-based grammar formalisms. Besides functional grammars and unification-based grammars, some interest in government and binding theory has emerged.

The second day was devoted to semantics. The high-quality papers presented in this area show that natural language semantics in logic programming is no longer a neglected area. In these presentations, the
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