Deductive Chat Lines for Multiple Agents

— Invited Talk —

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Abstract.
Deductive synthesis techniques provide a medium by which multiple agents can communicate and cooperate with each other to solve a common task, even though they don't know about each other and haven't been designed to work together. These methods are being applied to geographic question answering and the development of a personal deductive organizer.

Biography.
Richard Waldinger has done pioneering work in deductive program synthesis and other applications of automated deduction to software engineering and artificial intelligence, including program verification, knowledge representation, and planning. He received the Ph.D. from Carnegie-Mellon in 1969, supervised by Herbert Simon. Since then, he has been affiliated with the Artificial Intelligence Center of SRI International, where he is a Principal Scientist. He has published several books with Zohar Manna, of Stanford University, and has also visited the NASA Ames Research Center and the Kestrel Institute, for extended collaborations. He is both a AAAI Fellow and an SRI International Fellow.