

1. Record Nr.	UNISA996466135303316
Titolo	Artificial Intelligence in Higher Education [[electronic resource]] : CEPES-UNESCO International Symposium, Prague, CSFR, October 23-25, 1989, Proceedings // edited by Vladimir Marik, Olga Stepankova, Zdenek Zdrahal
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1990
ISBN	3-540-47183-9
Edizione	[1st ed. 1990.]
Descrizione fisica	1 online resource (IX, 247 p.)
Collana	Lecture Notes in Artificial Intelligence ; ; 451
Disciplina	006.3
Soggetti	Artificial intelligence Application software Artificial Intelligence Information Systems Applications (incl. Internet)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	The impact of artificial intelligence on education: Opening new windows -- Expert systems in higher education -- Prolog and the teaching of artificial intelligence at the technical university of košice -- Second generation expert systems in education and engineering practice -- Expert-tutoring systems : Architecture & development tools -- Linguistic aspects of AI -- A.I. means advanced informatics -- Knowledge engineering research and training at the dept. of scientific and technical information, prague school of economics -- Changing philosophy of teaching artificial intelligence a case study -- A.I. in the undergraduate programme at loughborough -- A knowledge-based system for CAPP -- A proposal for an undergraduate degree in the uses of logic -- Design of knowledged-based systems -- Logic programming in artificial intelligence education -- Artificial intelligence and humanistic informatics -- The advent of artificial intelligence -- The fel-expert project — applications in education -- Short history and present state of the artificial intelligence education at the technical university in pilsen -- Toward the design of adaptive instructions and helps for knowledge communication with the problem solving monitor

ABSYNT -- AI techniques in the curriculum of engineering students -- Teaching artificial intelligence at the faculty of mathematics and physics, Charles University -- After 24 years in AI: Some lessons -- Cognitive robot education and image processing research at the Czech Technical University of Prague -- Are intelligent tutoring systems useful for learning in technical environments? -- Epistemological challenges for the next generation AI and expert systems -- AI education and logic -- Uses of artificial intelligence in computer-based instruction -- Teaching students of electrical engineering AI methods -- A new framework for describing and designing intelligent tutoring systems -- The effect of AI applications on graduate education in Turkey.

Sommario/riassunto

This volume presents the written versions of talks delivered at the symposium "The advent of AI in Higher Education" held in Prague, Czechoslovakia, October 23-25, 1989. Contributions review the current impact of AI on the educational process, stressing the problems and needs of universities. Particular systems, projects and methodologies are described with the aim of gathering and generalizing the experience obtained. The latest developments prove that AI offers interesting methods which could be used with success across a wider range in the domain of education. The nature and spirit of AI forms a new phenomenon which necessitates reconsidering the whole educational process. Papers in this volume describe sophisticated tutoring systems as well as suggestions for new curricula.
