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Nota di contenuto	Machine learning and pattern recognition -- Computer vision and image processing -- Robotics -- Knowledge representation, reasoning, and scheduling -- Medical applications of artificial intelligence.
Sommario/riassunto	The two-volume set LNAI 7629 and LNAI 7630 constitutes the refereed proceedings of the 11th Mexican International Conference on Artificial Intelligence, MICAI 2012, held in San Luis Potosí, Mexico, in October/November 2012. The 80 revised papers presented were

carefully reviewed and selected from 224 submissions. The first volume includes 40 papers representing the current main topics of interest for the AI community and their applications. The papers are organized in the following topical sections: machine learning and pattern recognition; computer vision and image processing; robotics; knowledge representation, reasoning, and scheduling; medical applications of artificial intelligence. .
