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Assembly automation with evolutionary nanorobots and sensor-based control applied to nanomedicine

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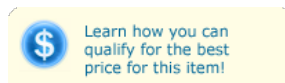
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ABSTRACT

The author presents a new approach within advanced graphics simulations for the problem of nanoassembly automation and its application for medicine. The problem under study concentrates its main focus on nanorobot autonomous control for assembly manipulation and the use of evolutionary competitive agents as a suitable way to warranty the robustness of any proposed model. Thereby the presented paper summarizes as well distinct aspects of some techniques required to achieve a successful nanoplanning system design and its simulation visualization in real time.

INDEX TERMS

Index Terms are available to subscribers and IEEE members.

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