Claytronics is an abstract future technology also referred broadly as "Programmable Matter"; that uses nanoscale robotics to create claytronics atoms, also known as catoms. Catoms co-operate and interact with each other and configure themselves into palpable 3D objects.

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**Index Terms**

Computer Science  
Applied Sciences

**Keywords**

Catoms; MRRs; Claytronics; Programmable Matter; Shape-Shifters.