

# Memolcon: Using Everyday Objects as Physical Icons

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Memolcon increases productivity with a new interaction method based on pattern recognition and multi-touch techniques. It easily binds virtual information to everyday real objects and transforms them into physical icons that embody virtual tasks as tangible items. Virtual information becomes tangible and physically present.

The system is easy to learn, because the iconifying process is similar to using a Post-it memo. To make a physical item a Memolcon, users simply paste a pattern sheet under the object, and the object becomes a container that stores virtual information. Through this process of iconification, users attach personal virtual information to everyday objects, which in turn acquire personal semantic meaning.

In the future, when table-surface interaction becomes ubiquitous, this new interaction technique will bridge the virtual and physical worlds through everyday objects.