DayCube: An Interactive Object for Delivering Daily Information through Five Unique Materials

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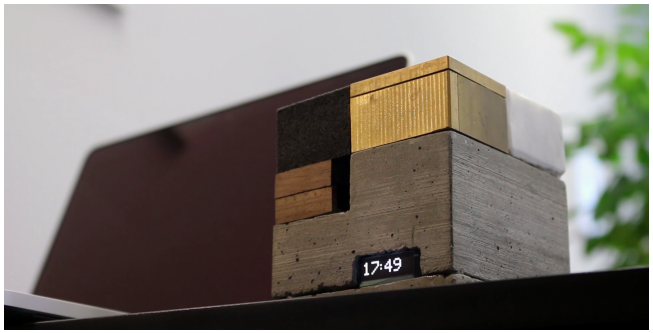

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Abstract
We introduce DayCube: a personal, interactive object for daily use with five unique materials: brass, concrete, dyed cork, marble, and lumber. DayCube provides three functions through the composed materials. First, when its concrete body is touched, it provides weather information through the specific oscillation sound of three materials. Second, it enables users to hear real-time news. Lastly, it notifies user's schedules through shape changes of lumber and display. DayCube expected to support the minimization of functions through its different material features, intriguing new visual–tactile interactions with materials, and simplification of checking daily information process. In this way, DayCube can encourage the new, tangible interfaces by promoting an understanding and application of material features.

Author Keywords
Material; Daily Object; Tangible Interaction;

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H.5.2 Information interfaces and presentation: User interfaces—Input devices and strategies

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