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### CAD in the Arts: Raw Shaping Form Finding: Tacit Tangible CAD

[Robert E. Wendrich](#), University of Twente, The Netherlands

**Abstract.** This paper is aiming at the identification of essential voids in the support of design processes offered by commonly available methods and tools. Some remarkable results were obtained during design sessions with novices and experts by engaging them in tangible experiments that were designed to trigger and enhance their skills, tacit knowing and creativity that enable them to represent their ideas and concepts in an intuitive way. We explored the differences in designer's behavior during use of "analogue" and digital representation tools. We will explain our laboratory experiments, test results, educational embedding and creative opportunities that emerge from hybrid design tools. Furthermore we propose an exciting hybrid design tool to bring back the tacit and tangible elements of design processing into CAD systems.

**Keywords:** tacit tangible representation, virtual design assistant, hybrid design tool.

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