



# Keynote

## MATHEMATICS ON ELECTRONIC MEDIA IN A CHANGING WORLD

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Technical innovations are a ubiquitous phenomenon in our time. While new possibilities emerge, at the same time old possibilities disappear. Most probably internet based communication of mathematics in the future will observe several significant shifts in various categories: from PCs to tablets, from mouse to (multi-)touch and from Java to JavaScript.

The talk discusses implications on the design of interactive math that come along with these changes and tries to exhibit positive and negative aspects of these changes. The talk will be illustrated by demonstrations of various software projects done by the author including the interactive mathematics software Cinderella, the iOS App iOrnament and several interactive installations in Museums and public exhibitions.