HUMAN-COMPUTER INTERACTION SERIES

Christian Müller-Tomfelde (Ed.)

Tabletops - Horizontal
Interactive Displays

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Computer Science : User Interfaces and Human Computer Interaction

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Tabletops - Horizontal Interactive Displays

- **This book is the first attempt to bring together current research findings in the domain of interactive horizontal displays**
- **This novel compilation will integrate and summarise findings from the most important international tabletop research teams**
- **It will provide a state-of-the-art overview of this research domain and therefore allow for the discussion of emerging future directions in research and technology of interactive horizontal displays**

The objects displayed on a table can take multiple forms. In meetings, it is still very often printed paper although its content was originally created on a computer. The content can also be a "table", but now in the mathematical sense, showing, e. g. , the budget of a project. Then, we have a "table" on the table. Most often, the computer-generated contents are subject of frequent changes or dynamic in nature. It is a logical consequence to avoid the detour and the inherent media break by transforming the surface of the table into a display able to show media that are active and can be computer-generated and computer-controlled. At the same time, it is desirable to maintain the inherent features and affordances of working with the objects and the contents while sitting or standing around a table. Electronic Meeting Rooms On the basis of these and other elaborate considerations, we started to design in 1992/1993 an electronic meeting room in Darmstadt at GMD-IPSI (later Fraunhofer IPSI). The setup of our custom-built DOLPHIN-System consisted of a "traditional" large rectangular wooden table with four physically integrated workstation-like computers with at screens. This set-up was complemented by linking a large ver- cal pen-operated interactive display, at that time the rst LiveBoard outside of Xerox PARC (two of which I was able to get to Darmstadt after my stay at Xerox PARC in 1990).

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