ON THE IMPACT OF NON-FLAT DISPLAYS ON THE INTERACTION WITH PUBLIC DISPLAYS

Gilbert Beyer and Florian Alt
Non-flat displays
Classical
Design Principles
WELCOME TO CHI 2011

The ACM CHI Conference on Human Factors in Computing Systems is the premier international conference of human-computer interaction. CHI 2011 focuses on leveraging our diversity and connecting people, cultures, technologies, experiences, and ideas.

CHI 2011 will be held in gorgeous, energetic, sophisticated Vancouver BC, a city renowned for its innovation in sustainability, accessibility, and inclusivity. The New York Times calls it, “a liquid city, a tomorrow city, equal parts India, China, England, France and the Pacific Northwest.” Join us at CHI 2011 in Vancouver and prepare yourself for a great time Connecting...

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Semi-framed Layout

Where to put the CHI 2011 logo?
Immersion
Digital Dome

Best viewpoint in the center of the shape
Digital Column

Best viewpoint for immersive content?
Interaction
Flat Screen

Use a hand for fine and a second hand for gross motor skills.
Digital Column

How to use both hands while moving around the column?
Framed Screen

Where to best view the weather forecast?
Framed Screen

Where to best view the weather forecast?

Sweet Spot
Digital Column

Sweet spot with columns? (Tuesday, Session Non-flat displays)
Social Interaction
Sweet spot

A single user performing within an exclusively occupied spot.
No Sweet Spot

Everyone nearby is equally exposed to the interaction.
External Context
Place of installation

Integrated with architecture.
Place of installation

Standing there where people go.
User Evaluation
Observational Studies

Rule of thumb:
Bring a camera for each direction to be covered.
Discussion