



The Resonant Interface: HCI Foundations for Interaction Design

By Steven Heim

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In an age of ubiquitous computing it is essential that Interaction Design be based on the rich foundation of HCI research and knowledge. **The Resonant Interface** does that and more. It moves beyond the traditional scope of human-computer interaction (HCI) and is based on the concept of active learning that integrates theory and practice.

Using Computers: Interaction Paradigms; Interaction Frameworks and Styles. **Designing Interaction:** Interaction Design Process; Discovery; Design; Design Principles; Interaction Design Models; Usability Testing. **Facets of Interaction:** Color; Interface Components; Icons; Text; Speech and Hearing; Touch and Movement.

For all readers interested in human-computer interaction (HCI).

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The Resonant Interface: HCI Foundations for Interaction Design By Steven Heim Bibliography

- Sales Rank: #890121 in Books
- Published on: 2007-03-15
- Original language: English
- Number of items: 1
- Dimensions: 9.00" h x 1.00" w x 7.90" l, 2.47 pounds
- Binding: Paperback
- 688 pages

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Editorial Review

About the Author

Steven Heim currently holds the position of Associate Professor of Computer Science in the Computer Science/Management Engineering Department of the College of Information and Computer Science at the C.W. Post campus of Long Island University. He is Director of Graduate Programs for the department and Co-Director of the CICS Usability Lab. Dr. Heim lectures on subjects such as Human-Computer Interaction, Interaction Design and Web Development on the undergraduate and graduate levels.

His research and scholarly interests include topics such as accessibility and computer-based musical composition and performance as well as HCI and Interaction Design. He draws from an extensive background in interface development and interactive multimedia including audio application, interactive animation and digital video. Dr. Heim's background in music and computer programming affords a unique prospective in the field of HCI and interface development. His approach to the learning environment is based on a deep understanding of the educational process gained through years of teaching experience.

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