

Natural Interfaces in the Field: The Case of Pen and Paper

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Over the past 7 years, Adapx (formerly, Natural Interaction Systems) has been developing digital pen-based natural interfaces for field tasks. Examples include products for field note-taking, mapping and architecture/engineering/construction, which have been applied to such uses as: surveying, wild-fire fighting, land use planning and dispute resolution, and civil engineering. In this talk, I will describe the technology and some of these field-based use cases, discussing why natural interfaces are the preferred means for human-computer interaction for these applications.

Categories and Subject Descriptors

H.5.2 Information Systems, INFORMATION INTERFACES AND PRESENTATION (I.7), User Interfaces (D.2.2, H.1.2, I.3.6): Input devices and strategies; Interaction styles; User-centered design.

General Terms

Human Factors, Design.

Keywords

digital pen and paper