ButterflyNet: Mobile Capture and Access for Biologists

Ron B. Yeh, Boyko Kakaradov, Scott Klemmer
{ronyeh, boyko, srk}@cs.stanford.edu

ButterflyNet provides efficient techniques for biologists to search and share digitized paper notes, photos, audio/video, sensor net data, and more.

To become fluent in the language of biology research, we studied biologists from Stanford, the California Academy of Sciences, and Jasper Ridge Biological Preserve.

Why do biologists use paper notebooks?

In the lab
In the field
In class

ButterflyNet Usage Scenario:

[1] Capture Photos & Notes

Roger and Karen, who study Leafcutter Ants in the rainforest, share notes and photos with colleagues working in the lab on campus.

[2] Search/Browse

ButterflyNet employs side-by-side views of temporally correlated notes and photographs for efficient browsing and searching.

We plan to integrate audio, video, sensor net data, and GPS into future implementations.

[3] View a colleague’s research

Shared content is stored at a central server.

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