FaceBubble

Multimedia Interaction and Understanding Lab, HP Labs Palo Alto

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FaceBubble is a photo management program that uses facial recognition technology to allow users to organize and search photos by person.

The rise of digital photography has created an explosion of stored digital photos. FaceBubble offers an easier way for people to organize their rapidly expanding collection of digitalized visual content.

FaceBubble uses a photo clustering system that combines face models and photo clustering methods to achieve automatic and accurate face identification in images. Consumers input into the tool a photo and name for each individual they want recognized. After analyzing and storing information about the face, FaceBubble can then find other photos in the collection with the person in it, including photos of groups.

The underlying facial recognition technology was developed through a collaboration between Tsinghua University in Beijing and HP Labs in Palo Alto.

FaceBubble is a research prototype and will soon appear on Snapfish Lab. More information on Snapfish Lab is available in the HP IdeaLab at www.hp.com/idealab.