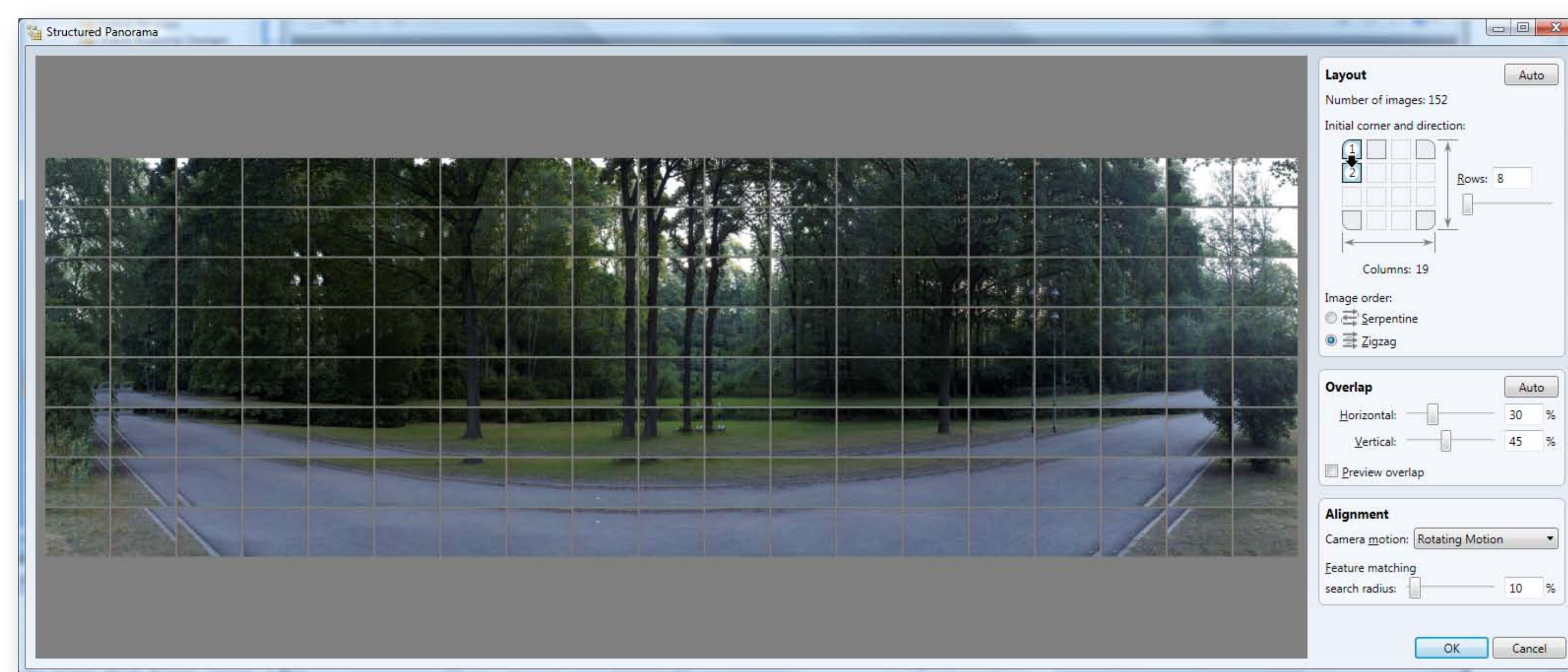# Multi-Image Fusion

Interactive Visual Media Group (*http://msrweb/IVM*)

People are taking more and more photos and videos – creating large image sets in the process. These images can be combined to create stunning and novel visuals, but it's difficult without the right tools.

We present four new technologies that advance the state-of-the-art in multi-image fusion, making it easier than ever to create panoramas, enhanced photos, and video summaries:

- Microsoft Image Composite Editor 2.0
- Video Stitching
- Generating Sharp Panoramas from Blurry Videos
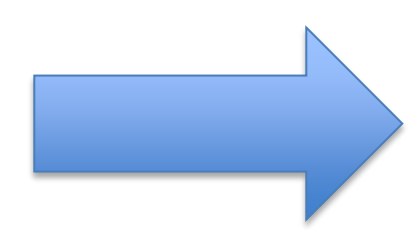- Video to Snapshots

## Microsoft Image Composite Editor 2.0



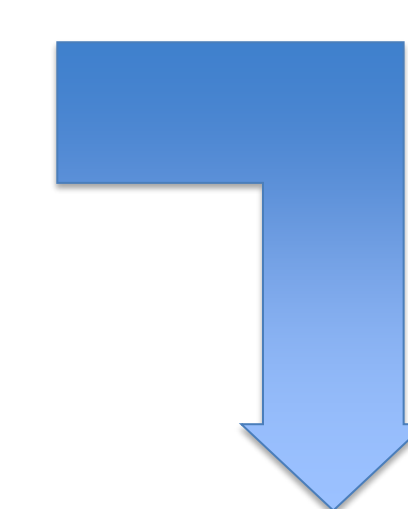**Structured Panorama Support**

**Export to Photosynth**
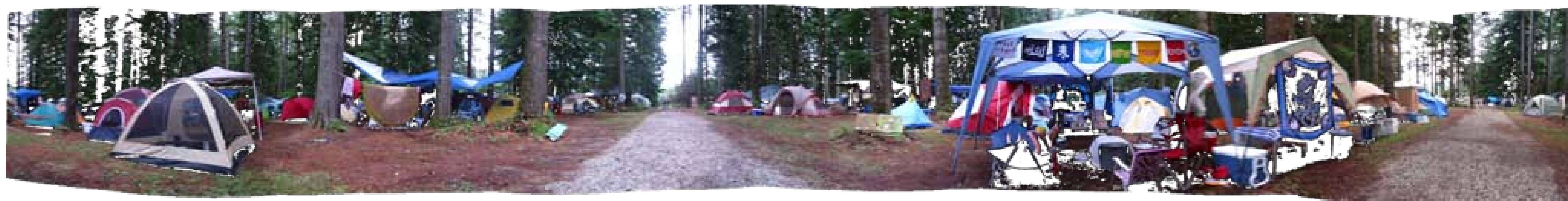
## Video Stitching



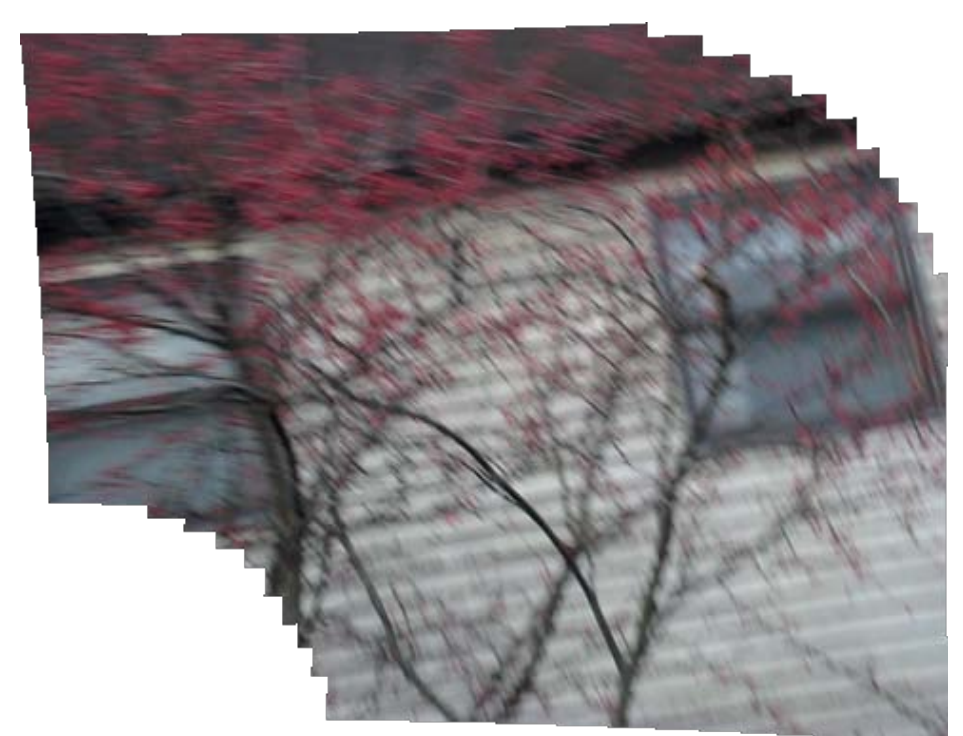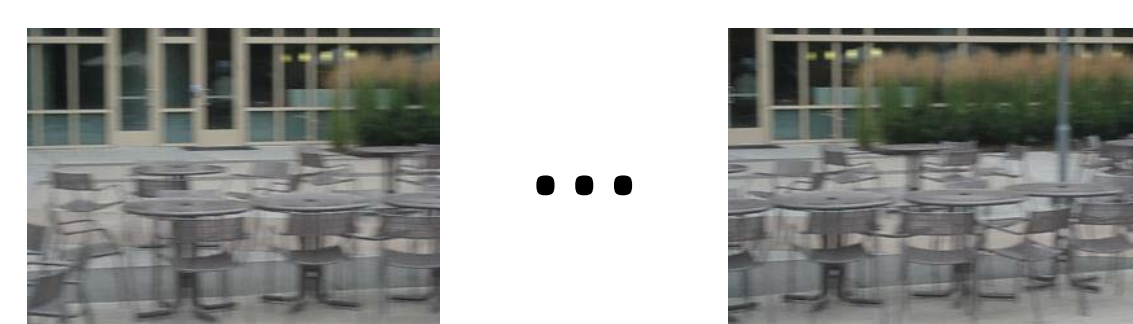**Detect Panorama**          **Select "Good" Frames**          **Stitch Panorama**



## Sharp Panoramas from Blurry Videos
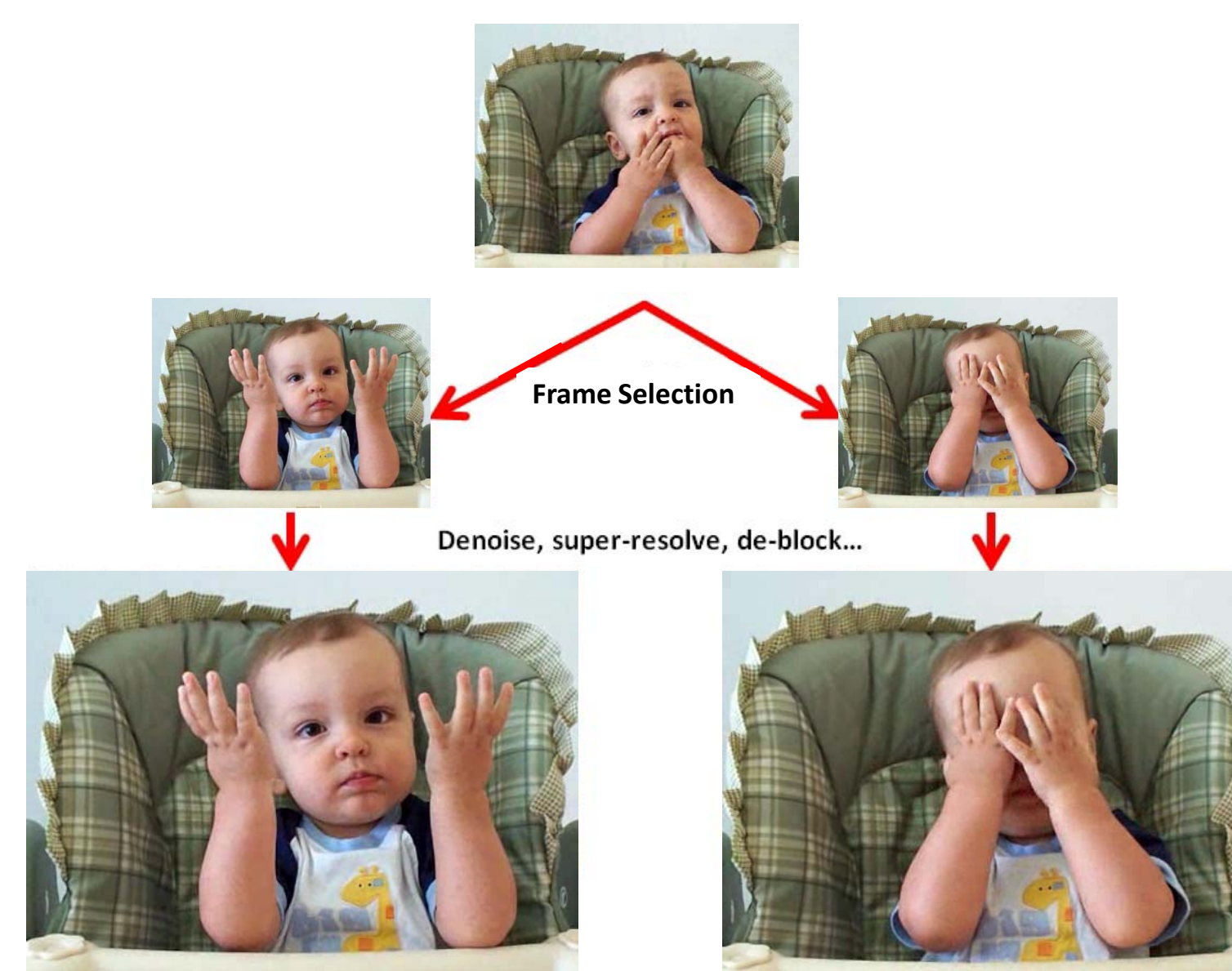


**Standard Stitching Result**

**Our Result**



**Our Result**

## Creating Snapshots from Videos



**Summarizing Videos**



Frame Selection

Denoise, super-resolve, de-block...

**Enhancing Interesting Frames**