









## History of Points in Graphics

- Particle systems [Reeves 1983]
- Points as a display primitive [Whitted, Levoy 1985]
- Oriented particles [Szeliski, Tonnesen 1992]
- Particles and implicit surfaces [Witkin, Heckbert 1994]
- Digital Michelangelo [Levoy et al. 2000]
  Image based visual hulls [Matusik 2000]
- Surfels [Pfister et al. 2000]
- QSplat [Rusinkiewicz, Levoy 2000]
- Point set surfaces [Alexa et al. 2001]
- Radial basis functions [Carr et al. 2001]
- Surface splatting [Zwicker et al. 2001]
- Randomized z-buffer [Wand et al. 2001]
- Sampling [Stamminger, Drettakis 2001]
- Opacity hulls [Matusik et al. 2002]
- Pointshop3D [Zwicker, Pauly, Knoll, Gross 2002]...?



III) ...to stimulate YOU to help us to further develop Point Based Graphics

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8:30-8:45	Introduction (M. Gross)
8:45-9:45	Point Rendering (M. Zwicker)
9:45-10:00	Acquisition of Point-Sampled Geometry and Appearance I (H. Pfister)
10:00-10:30	Coffee Break
10:30-11:15	Acquisition of Point-Sampled Geometry and Appearance II (H. Pfister)
11:15-12:00	Dynamic Point Sampling (M. Stamminger)

