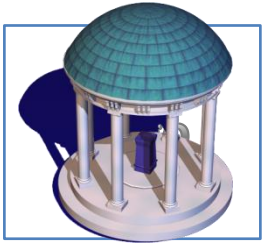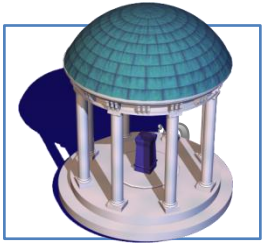# /whois

- University of North Carolina at Chapel Hill
- Lead Investigator: Dinesh Manocha
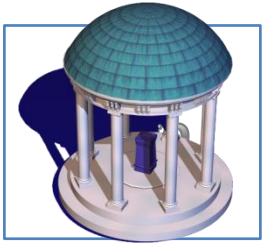- Co-PI: Ming C. Lin, Jan-Michael Frahm

VW Research Interests

- <u>Real-time technologies</u>
  - Crowd, traffic and Physics simulation
  - Real-time behavior capture using cameras
  - Simulating accurate human behavior in VWs

- <u>Scalable online VWs</u>
  - Real-time technologies to support 10-100K users
  - Interaction between real and virtual avatars

- <u>VW behavior evaluation</u>

- <u>Applications</u>: homeland security, culture modeling, group dynamics

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- UNC Chapel Hill has the largest academic group in virtual worlds

- 12 faculty members and 70 students

- End-to-end system developments

- Close collaboration with DoD, industry, other academic and research partners

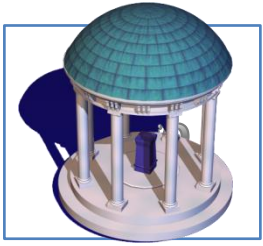- Extensive technology transfer to DoD systems, commercial systems

LFG
{Teaming Opportunities}

- Interested in teaming with researchers in social sciences, culture modeling, intelligence community

- Have been working with Geography researchers at UNC on population tracking

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