

## **Collecting Large Scale Anthropometric Samples Around the World**

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### **Abstract**

During the past 12 months there has been a major focus on collecting large databases of human faces to use as a comparative foundation for patients undergoing corrective intervention. Sometimes referred to as 'normatives,' the mass collection of this type of anatomical data across the continents has required some major breakthroughs in 3D scanning protocols and subject workflows and has opened a world of possibilities for data analysis and interpretation. This presentation will discuss a number of these projects around the world and in particular what has been learned. There will be an update on the MEIN3D project in London where more than 12,000 very diverse labeled subjects were captured at the London Science Museum in the first 12 weeks of 2012. The presentation will conclude by discussing how the data from this project and several others is being applied, which in turn will lead to a new era of understanding of facial structure and its variation. Rapidly dynamic databases of 3D faces will replace the dated studies of the past based on limited sample sizes collected due to scanner equipment limitations. From a medical perspective there will be discussion on how this information will benefit the work of researchers and clinicians for a wide range of conditions categorized as birth defects cross referencing nearly a hundred separate projects being undertaken around the world with ultra-fast modular 3D surface imaging.

\* [www.3dmd.com](http://www.3dmd.com)