

P1: I'm Sheryl Cohen. I'm a Ph.D. Candidate in Cognitive Psychology from UC Santa Barbara. I'm here with two colleagues. My poster deals with the protocol study on how spatial ability affects a user's strategies in interacting with an external animation. We have some very interesting data showing that people with high and low spatial abilities really do use these tools differently.

P2: My name is Peter Khooshabeh. I'm here on behalf of the University of California at Santa Barbara. We're reporting analysis of interactivity patterns in an interactive computer visualization using an ultrasound test and our studies have the participants actively interact with the visualization while the other half passively views these interactions. We're interested in individual differences among learners as Sheryl mentioned, and we have found some interesting differences among learners when they interact with the computer model depending on the interface used.

P3: My name is Jerry Lacey. I'm from a company in Dublin called Haptica. We've developed a new type of interface which addresses some of the issues which we've heard raised here, which allows you to use real surgical instruments to interact with virtual reality. This allows us to combine what was best about the physical drills and provides the information that is required for proficiency based assessments. This is actually the result of work with the Royal College of Surgeons in Ireland.

P4: My name is Alan Liu. I'm project scientist at the National Capital Area Medical Simulation Center. We are a full scale simulation facility for the DOD Uniform Services University. My poster will be about some of the lessons we have learned since the 4-5 years that we have been in operation. It's very interesting when doctors and engineers come together, it's almost like they are from two different planets. Engineers are very familiar with equations. They can deal with numbers very easily but it's extremely hard to quantify when the surgeon says "this doesn't feel right". How do you put a number behind that? So my poster will be about the kind of trials and tribulations we've had, some of the findings and also some of the dichotomy: what engineers expect and what engineers think doctors want and what doctors think engineers are capable of are two very different things.

P5: Hi, I'm Robert Malonowski from Michigan State University College of Veterinary Medicine. I work in the information Technology Center and my poster deals with the process of capturing motion data from equine subjects. It also addresses the potential educational uses for that information. There are only a handful of veterinary colleges that have motion capture abilities of this time and mostly

what they do is research data with it. And I'm dealing more with the artistic and educational aspects, and being a small animal person, I had no idea the difference between a gate, a cantor and a gallop, and everything like that. So I think for students who are city dwellers, who don't have a lot of large animal experience, it'll be a very useful approach.

P6: I'm Pat Youngblood. My role is Associate Director for Evaluation at the Summit Research Lab with Parvati and Leroy, and I invite you to come learn more about our project, where we created a virtual 3-D world for team training in emergency medicine. We've done a number of different studies to validate its effectiveness. This particular poster is describing the study that looked at the user satisfaction data and we'll be reporting at the MMVR the learning outcome data and basically, we were very encouraged by the new technologies and feel that the data show that it is very promising for the future.