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Preface

The purpose of this workshop series is to discuss and define open issues in the modeling of material appearance. Acquiring, modeling, editing and rendering material appearance are active areas in computer graphics. In this workshop series we gather researchers and users of material appearance models to review the progress made in this domain, and what the promising lines of new research are.

The format of the workshop is presentation of positions and ideas followed by questions and comments. Position papers and/or ideas for presentations are submitted by potential speakers, and reviewed by the workshop co-chairs for relevance and clarity. Twelve presentations were accepted. Nine of the presentations were accompanied by position papers that are included in this proceedings. The position papers are not like conventional conference papers. The main purpose of the papers is to summarize topics, report progress, pose problems and suggest research directions, rather than present finished results.

This year the event was divided into four parts – "New Models", "Research Group Reports", "Acquisition Issues" and "Evaluation". Under "New Models", in addition to the position papers listed, Pascal Barla spoke on models of hazy gloss perception. Overall, the three presentations showed how models for materials are moving past traditional facet models.

Under "Research Group Reports" in addition to the position papers Claudio Guanera gave an overview of material appearance research at the Norwegian University of Science and Technology. The four reports revealed that a number of strong research groups have developed specializing in material appearance modeling. The three "Acquisition Issues" presentations showed that much higher complexity materials are being acquired, and that the characteristics of acquisitions systems are being modeled more thoroughly. Under "Evaluation" Pieter Peers spoke about the development of a new benchmark he is developing for material models. Both presentations showed the push for more rigorous evaluation.

Once again, the event sparked lively discussion and ideas for next year.

Holly Rushmeier
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