

# **Envisioning the Material World**

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## **Speaker Biography:**

James A. Ferwerda is an Associate Professor in the Munsell Color Science Laboratory in the Chester F. Carlson Center for Imaging Science at the Rochester Institute of Technology. He received a B.A. in Psychology, M.S. in Computer Graphics, and a Ph.D. in Experimental Psychology, all from Cornell University. The focus of his research is on building computational models of human vision from psychophysical experiments, and developing advanced graphics algorithms based on these models. Research interests include material appearance, perceptually-based rendering, advanced display systems, and low vision and assistive technologies. He is an Associate Editor of ACM Transactions on Applied Perception, was Guest Editor of the edition of IEEE Computer Graphics and Applications on Applied Perception, and serves as a member of CIE Technical Committee TC8-08 on High Dynamic Range Imaging. In 2003 he was selected for the National Academy of Engineering Frontiers of Engineering Program.