



RTI@MCI: A New Method in Computational Imaging

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The rapid development of modern imaging techniques includes new methods for acquisition, processing, and display of data. One technique, Reflectance Transformation Imaging (RTI), is based upon photography but creates a much more engaging experience. In essence, many views of an object are captured and processed into a single file that better describes the object's surface. Exploring these images is a near three-dimensional experience, and the dataset can be examined in a viewer and controlled with minimal training. RTI serves as a complement to techniques like 3D scanning and photogrammetry and is capable of overcoming some of the limitations of those methods. This presentation will cover the basics of the RTI technique and illustrate several examples of its utility.

A few of the many possible views found in a single RTI file of an ivory and ebony door panel.



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MCI Theater
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