

# NEWS RELEASE

## AGS LABORATORIES, LLC

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### **Scientific Recognition for AGS Cut Grade Technology**

November 5, 2007, Las Vegas, NV. The American Gem Society Laboratories research team, lead by Peter Yantzer, Executive Director of AGS Laboratories, recently completed a study covering the illumination effects associated with a diamond's beauty. The report, "Evaluation of brilliance, fire and scintillation in round brilliant gemstones," appeared in the September issue of *Optical Engineering*, the flagship journal of The International Society of Optical Engineering. The journal publishes peer-reviewed papers reporting on research and development in optical science and engineering and the practical applications of known optical science, engineering, and technology.

The paper, which consists of much data and over 60 illustrations, gives the reader a comprehensive analysis of diamond performance, including illumination effects—such as a diamond's brilliance. The paper also gives a state-of-the art overview of the advances in gem characterization. The reader may expect to get a good understanding of the issues in assessing illumination performance in gemstones

"Authoring such an intensive and important paper was an immense undertaking for our Research Team," said Frank Dallahan, President and CEO of AGS Laboratories. "Having the report published in a journal as prestigious as *Optical Engineering* gives AGS Laboratories important recognition and backing by the scientific community that the AGS Cut Grade so deserves."

To view a copy of the paper, visit [www.agslab.com/research.html](http://www.agslab.com/research.html) and download the article for free.

The AGS Laboratories, created in 1996, is committed to protecting the consumer by providing unbiased grading reports based on the highest standards of diamond grading. AGS Laboratories is the only diamond-grading laboratory licensed to use the AGS Performance-Based Cut Grade System—the first-ever cut grading system for a fancy shaped diamond. The Lab currently issues a cut grade on round brilliant, princess, and emerald cut diamonds. Other shapes are due to come on line in the near future.

For more information on the AGS Performance-Based system, or any of their products and services, please visit [www.agslab.com](http://www.agslab.com) or email [marketing@agslab.com](mailto:marketing@agslab.com).

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