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**CSRF ANNOUNCES CHARLES R. CARROLL, JR.  
GRADUATE STUDENT RESEARCH GRANT AWARD**

**Baltimore, Maryland, October 1, 2008** - The Construction Sciences Research Foundation, Inc. (CSRF) has awarded a \$100,000 research grant to Georgia Institute of Technology in support of a three-year study entitled "BIM ENABLED APPROACH TO SCHEDULING AUTOMATION", by graduate student Anjelica Ospina-Alvarado.

CSRF, an independent, not-for-profit construction industry research organization, is dedicated to unifying and integrating communication between programs and design/communications processes used in facilities design and construction. Funding for CSRF's research and grant awards comes from the sale of SPECTEXT® Master Guide Specifications, which was developed by the Foundation in 1978. The Charles R. Carroll, Jr. Graduate Student Research Program is named in honor of Mr. Charles R. Carroll, Jr., FCSI, who served as CSRF Executive Director of CSRF from 1967 to 2006.

Ms. Ospina-Alvarado's research will cover an extended study of : 1) the evolution of the automation of utilizing BIM for scheduling purposes; 2) defining a system to integrate BIM and scheduling, including processes, inputs and the outputs of each process and system information required; 3) development of a model that allows integrating scheduling and BIM; and 4) validation of a system for an integrated tool that allows inclusion of scheduling management, cost estimates and management, and project control.

Since 2004, Ms. Ospina-Alvarado has served as Research Assistant in four graduate student research projects funded by the Colombia Government Science Research Fund, the National Science Foundation, and the Georgia Tech Foundation. All of her studies were related to the green construction influence in project integration. In 2007, a part of her paper entitled "Path Feasibility of Developing Self Sustainable Ammonia Power Houses," was accepted for publication in the *Construction Innovation Journal*.

CSRF SPECTEXT® Support Center  
P. O. Box 926  
Bel Air, MD 21014  
Phone: 1-877-SPECTXT (Toll-free)  
Phone: 410-838-7525  
Email: [supportcenter@csrf.org](mailto:supportcenter@csrf.org)  
[www.spectext.com](http://www.spectext.com)  
[www.csrf.org](http://www.csrf.org)

**Editorial Content:**

Garry C. Zettersten, Executive Director  
The Construction Sciences Research Foundation, Inc.  
Phone: 210-857-4535  
Email: [garry.zettersten@csrf.org](mailto:garry.zettersten@csrf.org)  
[www.csrf.org](http://www.csrf.org)