

# STEM & the K-12 Gifted Learner

## MEGT 20th Mid-Winter Conference

February 5-7, 2012

### ***Special Sessions for Coordinators and Administrators*** **Monday Breakout Session Highlights**

*Professor David Lohman will be giving two breakout sessions*

#### **Session 1**

##### ***The New CogAT: An Ability Test for the 21st Century***

The newly released Form 7 of CogAT represents the most substantial revision of the test since the first edition was published in 1968. Eight years in the making, Form 7 was designed to measure the abilities of an increasingly diverse student population. The test is fully accessible to ELL children yet measures verbal and quantitative reasoning in addition to nonverbal reasoning. Other new features include: a short screening test, an online test, free practice materials, and new talent identification software and reports. The purpose of this session is to introduce the first 21st century-ability, group-administered ability test to the field.

#### **Session2**

##### ***Best Practices in Using Standardized Tests to Identify Talent among Low Income and ELL Children***

Effective talent identification requires measuring both the general and specific aptitudes needed for rapid learning in particular academic domains. Typical nonverbal tests administered to ELL children help measure general abilities but not the specific aptitudes needed to excel academically. A partial solution is to use more comprehensive nonverbal tests that measure quantitative and even verbal reasoning as well as figural/spatial reasoning. A more general solution is to measure a broader range of aptitudes using tests ordinarily only administered to non-ELL children but to interpret the scores using national, local, or subgroup norms. In this session, I show how users can easily develop local norms for all students and subgroup norms for ELL and low income students.

For more information on David Lohman go to:  
web page: <http://faculty.education.uiowa.edu/dlohman/>

#### **Additional breakout sessions for Coordinators & Administrators:**

Ed Zaccaro, one of our keynote speakers, will also be giving 2 breakout sessions:

- Five Real-Life Math Investigations That Will Astound Teachers and Students*
- The 15 Most Perplexing Math Problems Ever Devised*

Melanie Crawford, Mpls Director of Talent Development & Gifted Education

- How Gifted Education Can Help Raise Achievement-What Leaders Should Know*

Kris Peterson, St. Paul School Administrator

- The Leadership Role in Change for your School*