



WORKSHOP FOR STATE LEADERS  
and EVALUATORS OF TEACHER  
PROFESSIONAL DEVELOPMENT  
**Improving Evaluation of Professional Development  
in Mathematics and Science Education**



OMNI SHOREHAM HOTEL  
2500 CALVERT STREET NW WASHINGTON DC  
APRIL 24-25, 2008

**Objectives:**

- To develop the knowledge of state leaders and evaluators of teacher professional development regarding findings from research and evaluation studies.
- To provide training and dissemination on models for evaluation of professional development that measure effects on teaching and learning.

---

THURSDAY, APRIL 24, 2008

---

8:00-9:00 AM	<b>REGISTRATION</b>	Hampton Foyer
	<b>BREAKFAST/GENERAL SESSION</b>	Hampton Ballroom
9:00	Introduction to Workshop -- Rolf Blank, CCSSO	
9:30	<b>Findings from recent research on teacher professional development</b> <i>Laura Marie Desimone, University of Pennsylvania</i> <i>Outcome: Provide connection between research on current professional development, effects on teachers and students, and how the research can be used to improve TPD evaluations.</i>	
10:30	BREAK	
10:45	<b>Cross-state analysis of program evaluation findings</b> <i>Rolf Blank, Nina de las Alas, Council of Chief State School Officers</i> <i>Outcome: To highlight findings from review and analysis of results from evaluations of 25 teacher professional development initiatives.</i>	
11:00	<b>School-based learning and development</b> <i>Stephanie Hirsh, Joellen Killion, National Staff Development Council</i> <i>Outcome: To examine school-based teacher development and propose evaluation models for demonstrating its impact.</i>	
12:00 PM	<b>LUNCH</b>	

1:00	<p><b>Remarks from National Science Foundation</b></p> <p><i>Joan Ferrini-Mundy, Director of Division of Research and Learning</i></p>
1:10	<p><b>Using experimental designs to evaluate the impact of professional development</b></p> <p><i>Mike Garet, American Institutes for Research</i>  <i>Outcome: To demonstrate use of an experimental design to evaluate the effects of a comprehensive PD model on teacher practice and student achievement.</i></p>
2:00	<p><b>Discussion: Multi-state breakouts</b> <span style="float: right;">Hampton &amp; Embassy Rooms</span></p> <p><i>Outcome: To pose and share questions, challenges, and issues regarding the models and findings for experts on learning thus far.</i></p>
3:00	BREAK
3:15	<p><b>Improving state management of evaluations for teacher professional development</b></p> <p><i>Stephen Pruitt, Georgia State Dept. of Education</i>  <i>Outcome: To learn how one state has developed a comprehensive approach to Title IIB funded math and science programs and use evaluation information to develop program designs.</i></p>
4:15	<p><b>Analyzing state achievement data and measuring effects of teacher professional development</b></p> <p><i>Norman Webb, University of Wisconsin-Madison, WCER</i>  <i>Outcome: To understand applications of state data systems, from analysis of Texas district initiatives with 10 years of data. Practical issues will be discussed such as locating data, access to data, and analyses to be used in evaluating teacher professional development.</i></p>
5:15	<b>NETWORKING</b>

---

FRIDAY, APRIL 25, 2008

---

7:30-8:30 AM	BREAKFAST /GENERAL SESSION	Hampton Ballroom
8:30	<b>Using the Surveys of Enacted Curriculum (SEC) to measure changes in teacher practice and content coverage</b> <i>John Smithson, University of Wisconsin-Madison, WCER</i> <i>Outcome: To demonstrate use of a comprehensive web-based data collection tool to measure quality of professional development and change in instructional practices' and content.</i>	
9:20	<b>Development and use of content-specific assessments of teacher knowledge</b> <i>Sean Smith, Horizon Research, Inc.</i> <i>Outcome: To describe instruments that measure teacher content knowledge in mathematics and science and how these instruments can be used for research and evaluation.</i>	
10:15	BREAK	
10:30	<b>Using longitudinal data systems for evaluating school improvement</b> <i>Gary Cook, University of Wisconsin-Madison, WCER</i> <i>Outcome: To demonstrate use of state and local data systems to evaluate and track programs linked to teachers.</i>	
11:20	<b>Discussion: Multi-state breakouts</b> <i>Outcome: What was learned? What are the challenges?</i> <i>How can CCSSO follow-up to assist states in applying models?</i>	Hampton & Embassy Rooms
12:30	LUNCH	Hampton Ballroom
1:30 – 2:00 PM	<b>Summing up workshop</b> <i>Outcomes: Reports from Breakout Groups, identify strategies for follow-up with evaluators, and provide workshop evaluations.</i>	

## BIOGRAPHIES

---

### **Findings from recent research on teacher professional development**

Laura Marie Desimone is an expert in research on teacher professional development. She is currently an associate professor at the University of Pennsylvania Graduate School of Education and formerly with the Peabody School of Education of Vanderbilt University.

### **Cross-state analysis of program evaluation findings**

Rolf Blank, CCSSO is the PI on the NSF evaluation study of professional development programs managed by state departments of education, and on the proposed MSP workshop. Nina de las Alas is the project associate for the study.

### **School-based learning and development**

Stephanie Hirsh is the executive director of the National Staff Development Council, one of the largest national professional organizations on providers of professional development for K-12 teachers and supervisors. Joellen Killion is the deputy director and lead NSDC staff on evaluation.

### **Using experimental designs to evaluate the impact of professional development**

Mike Garet is a leading researcher on the effects and effectiveness of teacher preparation and professional development programs, and is currently leading an experimental design study of math curriculum intervention under a US ED/IES grant.

### **Improving state management of evaluations for teacher professional development**

Stephen Pruitt heads the Georgia state MSP Title II B math and science professional development program. The department is a leader in designing evaluations statewide with a consistent valid methodology and approach.

### **Analyzing state achievement data and measuring effects of teacher professional development**

Norman Webb is a leading evaluation research expert regarding effects of programs on changes in student achievement and analyzing alignment of standards and assessments

### **Using the Surveys of Enacted Curriculum (SEC) to measure changes in teacher practice and content coverage**

John Smithson is a project director at UW-Madison, WCER, where he specializes in research and analysis using the Surveys of Enacted Curriculum, and oversees the maintenance and continued development of the SEC online data collection, processing and reporting system.

### **Development and use of content-specific assessments of teacher knowledge**

Sean Smith is a senior research associate at Horizon Research, Inc. For the last several years, he has led an effort to develop assessments of science teacher content knowledge. He also has extensive experience in project evaluation.

### **Using longitudinal data systems for evaluating school improvement and teacher initiatives**

Gary Cook is co-director of the WCER Center on Value-Added Research and works with several states and large school districts on use of their data in value-added studies.