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# THE TACTL RECORD

Newsletter of the American Educational Research Association (AERA) Special Interest Group

## Larry Cuban to speak at TACTL Annual Meeting

In this issue, we are pleased to announce the TACTL Program for the AERA 2006 Conference in San Francisco. This issue's **SIG Member Spotlight** is on TACTL Program Chair Neal Strudler (see below).

One of the highlights of TACTL's AERA 2006 Conference Program is sure to be a talk by renowned educational technology researcher and Stanford Professor Emeritus Dr. Larry Cuban, who will be the guest speaker at the TACTL Annual Meeting (see p. 2 for details).

This year's sessions include two symposia that should be of intense interest to all TACTL members. The first addresses a topic that is attracting both increasing inter-

est and controversy among educators, administrators and parents: the use of games and simulations in learning. The second describes methods used to evaluate the effectiveness of the *Teacher Education Goes into Virtual Schooling* project to prepare educators to be virtual teachers.

Our two paper sessions focus on technology as an agent of change in teacher education and in K-12 schools. Two of our four paper discussion sessions (a.k.a., roundtables) this year are co-sponsored with the Computer Applications and the Internet SIG. (See program details on pp. 2-3).

Be sure to join us for what promises to be the best TACTL program ever!



**From the SIG President ...**  
TACTL 2005-2006 President,  
M. D. Roblyer

*The AERA Annual Conference will be held in San Francisco on April 7-12, 2006. Hold the dates!*



## SIG Member Spotlight: Neal Strudler

TACTL's outstanding AERA 2006 program is due in no small part to the dedicated work of Program Chair and TACTL charter member Neal Strudler. A professor of educational computing and technology at the University of Nevada, Las Vegas since 1989, Neal was formerly a seventh grade teacher and assistant principal. His research and

publishing focus on strategies for effective technology integration in K-12 schools and colleges of education. Also active in the International Society for Technology in Education (ISTE), Neal has served as President of the ISTE's Teacher Education Special Interest Group (SIG-TE) and as a member of the ISTE Board of Directors.



Neal Strudler, TACTL Program Chair for AERA 2006 — San Francisco



See the next issue of the **TACTL Record** for more information on TACTL activities at the AERA 2006 conference.

## Larry Cuban to speak at TACTL Annual Meeting



Above: Stanford University Professor of Education (Emeritus) Dr. Larry Cuban

Some of the most high-profile and controversial educational technology research to emerge in recent years has been the product of Dr. Larry Cuban, former social studies teacher and school superintendent who joined Stanford's faculty in 1981. His 2001 study of teacher uses of technologies, published in the *American Educational Research Journal* (Vol. 38, #4) and in his

best-selling text (*Oversold and Underused*, 2001, Harvard University Press) raised many tough questions about technologies' role in school reform. Dr. Cuban's talk at the TACTL Business Meeting will focus on the positive and negative impact of technology on K-12 education. Join us for Dr. Cuban's remarks, a Q&A, and a post-meeting TACTL social.

## TACTL To Host Two Symposia, Six Sessions

SIG-TACTL is co-sponsoring two paper discussion sessions with SIG-Computer Applications and Internet.

See more information at our website at:  
<http://www.ahc.osrhe.edu/tactl>



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The AERA 2006 TACTL program will include: two symposia, two paper sessions, and two paper discussion sessions (formerly known as "roundtables"):

**Symposium 1:** *Research on the Use of Games and Simulations in Education: What Are We Learning?*

Participants: Debra Sprague, Chris Dede, John Rice

Chair: Victoria Giordano

Discussant: Greg Jones

**Symposium 2:** *Preparing Teachers for the Distance Learning Classroom: Evaluation of the Teacher Training Goes into Virtual Schooling (TEGIVS) Project*

Participants: Niki Davis, Rick Ferdig, Dale Niederhauser, M. D. Roblyer, Raymond Rose, Zahrl Schoeny

Co-Chairs: Ann Thompson and Dale Niederhauser

Discussant: Robert Blomeyer

**Paper Session 1: Technology as an Agent of Change in Teacher Education**

Chair: Neal Strudler

Discussant: Margaret Neiss

1. *Using Teacher Inquiry to Help Prospective Teachers Untangle the Complexities of Technology Use in Classrooms* - Kara Dawson
2. *Using Technology to Foster Literacy Instruction: The Benefits for Pre-Service Teachers* - Lauren McClanahan
3. *A Longitudinal Comparison of Teachers' Perceptions About and Subsequent Adoption of Technology in the Classroom* - Dianna Newman
4. *"No One Likes Rust!" Digital Video Production as an Instructional Tool for 21st Century Science Education* - Lyubov Laroche, Jolie Mayer-Smith, Cynthia Nicol
5. *Longitudinal Assessment of Teacher Education Students'*

*Attitudes, Use, and Confidence Towards Using Technology* - Philip Molebash, Natalie Milman

**Paper Session 2: Technology as a K-12 Change Agent**  
Chair: Joke Voogt,

Discussant: Walt Heinecke

1. *Research on Educational Technology: Challenges to Implementation and Impact of Scientifically Based Research* - Lynne Schrum, Kelly Glassett
2. *Using Integrated Technology in Middle School Classrooms to Impact Student Science Achievement* - Pamela Cantrell, Jacque Ewing-Taylor
3. *Feedback, Reflection, and Revision in the 1:1 Laptop Computing Environment* - Matthew Dunleavy
4. *A Learning Revolution? Investigating Interactive Whiteboards as Pedagogic*

**TACTL Sessions (continued)****American Educational Research Association**

*Tools in British Primary Classrooms* - Neil Mercer, Julia Gillen, Karen Littleton, Judith Kleine Staarman

5. *What Impact Do Different Technology Uses have on Student Outcomes?* - Jing Lei, Yong Zhao

**Paper Discussion Session 1: Online Strategies in Education**

1. *Instructor's Scaffolding in Support of Student's Metacognition in an Academic Online Course* - Roni Reingold, Rikki Rimor, Anat Kalay
2. *The Effects of Online Follow-up and Collaboration on Completion of Professional Development* - Marybeth Green, Lauren Cifuentes
3. *Pedagogy, Self-Assessment and On-line Discussion Groups* - Mary Kayler, Karen Weller
4. *Teacher Team Work and Information and Communication Technology* - Mia Karlsson
5. *The Relationship of Adult Learning Styles and Success in Online Graduate Education* - Cynthia Loeffler, Rosemary Papa
6. *Online Facilitation: Building Professional Knowledge Among Participants* - Stephanie Feger, Melanie Zibit
7. *Implementing Constructivist Web-Based Learning in Teacher Preparation Courses Makes Good Sense* - Martha Casas

**Paper Discussion Session 2: Technology in Schools**

1. *Making Connections with Technology: Longitudinal Analysis of Hand Held Technology and Student Reading Achievement* - Elizabeth Oyer, Karen Gould, Nathan Davidson, Joel McKinney, Dan Wilson
2. *Interim Evaluation of Multi-format Professional Development on the Mathematical Understanding of Rural Teachers* - Talbot Bielefeldt
3. *Handheld technology as a change agent in a middle school environment* - Linda Robinson, Robert Hannafin, Jane Cook
4. *The Beyond Hardware Initiative: Impact of Technology Integration on K-12 Achievement* - Andrew Berning, Gerald Knezek, Rhonda Christensen, Dave Richardson, Cathy Webb
5. *A Case Study on Students' Activities with CMC tools: Young Sang Cho*
6. *Instructional Strategies Used by Teachers During Student Use of Technology* - Fethi Inan, Deborah Lowther, Steven Ross
7. *Technology and School Achievement for Young Language Minority Children* - Tiffany Whittaker, James Laffey, Linda Espinosa, Yanyan Sheng

**Paper Discussion Session 3: Uses of Technology in Preservice Teacher Education (Co-sponsored with Computer Applications & Internet SIG)**

1. *Costs and Benefits of Electronic Portfolios in Teacher Education: Faculty and Administrative Perspectives* - Keith Wetzel, Neal Strudler
2. *Teacher Candidate Reflection on Teaching Episodes Using Video Editing* - Brendan Calandra, Rachel Gurvitch Jacalyn Lund
3. *"Doing What We Know:" Preservice English Teachers' Teaching with Technology during Student Teaching* - Sara Kajder
4. *Developing Pedagogical Technology Integration Content Knowledge in Preservice Teachers: A Case-Study Approach* - Laurie Dias, Mary Shoffner, Wanjira Kinuthia, Christopher DeCastro,
5. *Effective Technology Integration in Pre-service Teacher Education: Challenging Expectations* - Nancy DeFrates-Densch, Corenna Cummings, Deborah Kalkman, Jason Underwood, Agnes E. Conway
6. *Mentoring Interns in Using Technology* - Robert Smith, Dennis Kubasko, *Virtually Aesthetic: Exploring Teacher Education Students' Experiences of Online Learning* - Anita Sinner, Linda Farr Darling
1. *Instructional Computer Use by COE Faculty in Turkey: Application of Diffusion of Innovations Theory* - Ismail Sahin, Ann Thompson
2. *First Year Teachers' Expected and Actual Technology Integration: Knowledge, Values, and Teaching Practice* - Jane Howland, Judy Wedman
3. *Ready or Not - Technology Skills that Support Data-Driven Decision-Making with the ITAAR Model* - Corenna Cummings, Deborah Kalkman, Jason Underwood, Nancy DeFrates-Densch, Agnes E. Conway
4. *Expanding Digital Equity via Open Source Tools in Education* - Brian Giza
5. *Effects of a Faculty Technology Mentoring Program on Faculty Adoption of Instructional Technology* - Hsueh-Hua Chuang, Ann Thompson, Ismail Sahin
6. *Using Global Classrooms to Influence Attitudes Toward Science and Civic Responsibility: An American-Tanzanian Exchange* - Mona Bryant-Shanklin
7. *When Are "Mobile" Digital Technologies Mobile?: An Activity Theory Perspective on a Laptops Initiative for Students With Literacy Difficulties* - Paul Conway, Tom Daly

**Paper Discussion Session 4: Innovative Technology Uses in the U. S. and Abroad (Co-sponsored with Computer Applications & Internet SIG)**

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<http://www.ahec.osrhe.edu/tactl/>



Technology as an Agent of Change in Teaching and Learning

Newsletter of the  
American Educational Research Association  
(AERA) Special Interest Group

Send newsletter articles and ideas to

Editor: M. D. Roblyer  
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## TACTL Membership Application



American Educational Research Association

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Email: \_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

**AERA member?** Please check one:

Yes     No

**Membership Level?** Please check one:

Full member, one year: \$10.00

Full member, two years: \$20.00

Student member, one year: \$5.00

Student member, two years: \$10.00

**Please send check or money order in U. S. funds to:**

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