



"Advances in neuroscience and technology are providing new avenues for teaching and learning."

—Deborah J. Stipek, PhD  
Dean, Stanford University  
School of Education

## iGENERATION: HOW THE DIGITAL AGE IS ALTERING BRAINS, LEARNING & TEACHING

AT THE HISTORIC FAIRMONT HOTEL,  
ATOP NOB HILL, SAN FRANCISCO, CA

**FEBRUARY 17-19, 2011**

Pre-Conference Workshops: February 16  
**Early Registration Discount Deadline: November 30, 2010**



# 28<sup>TH</sup> LEARNING & the BRAIN CONFERENCE

## MORE L&B LEARNING EXPERIENCES: SUMMER INSTITUTES

Based on cutting-edge neuroscience, these Summer Institutes extend the L&B conferences and provide personalized training and practical applications. All workshops are limited to no more than 35 participants. Register early to reserve your space. **For more information and to register, visit [LearningAndTheBrain.com](http://LearningAndTheBrain.com) or call 781-449-4010 ext. 101 or 102.**



### MAKING CONNECTIONS: THE ART & SCIENCE OF TEACHING

JUNE 21-24, 2011

At Lawrence Academy in historic Groton, MA  
Sponsored by Learning & the Brain and Lawrence Academy

Collaborate in facilitated discussions and analyses of case studies to develop scientifically grounded approaches for understanding and meeting the diverse cognitive, social and emotional needs of students and foster healthy enduring development and learning in your students. Acquire concrete tools and strategies for the design of curricula and assessment.

**Workshop Leader: Mary Helen Immordino-Yang, EdD**, Assistant Professor, Rossier School of Education; Assistant Professor of Psychology, Brain and Creativity Institute, University of Southern California; Co-Author, "We feel, therefore we learn: The relevance of affective and social neuroscience to education" (2007, *Mind, Brain & Education*)

**TUITION: \$1,975 PER PERSON** (includes room and board)



### THE NEUROSCIENCE OF LEARNING: MEETING THE CHALLENGES OF INDIVIDUAL DIFFERENCES

JULY 19-22, 2011

At Harvard Faculty Club, Cambridge, MA  
Sponsored by Learning & the Brain and CAST (Center for Applied Special Technology)

Most theories of learning and development treat individual differences as noise. In this workshop we will treat individual differences as fundamental to understanding both the science of learning and the "art" of teaching. The first half of the workshop will consider individual differences from the perspective of recent affective and cognitive neuroscience – such as the major sources of variability and dynamic instabilities in learning. The second half of the workshop will consider how educators can optimally respond to those differences, emphasizing recent advances in learning technologies and universal design for learning.

**Workshop Leader: David H. Rose, EdD**, Founder and Chief Education Officer, Center for Applied Special Technology (CAST); Faculty, Harvard University Graduate School of Education; Co-Author, *A Practical Reader in Universal Design for Learning* (2006), *Teaching Every Student in the Digital Age: Universal Design for Learning* (2002) and *Learning to Read in the Computer Age* (1998)

**TUITION: \$2,275 PER PERSON** (includes meals, as well as accommodations at the Harvard Square Hotel)



### NEUROSCIENCE & THE CLASSROOM: STRATEGIES FOR MAXIMIZING ENGAGEMENT, MEMORY & POTENTIAL

AUGUST 2-5, 2011

At University of California, Santa Barbara  
Sponsored by Learning & the Brain and the Neuroscience Research Institute, UC Santa Barbara

Come and explore the latest findings from the neuroscience of learning and what you can now do in your classroom to ignite student learning. You'll dive deeper into the structure and function of the brain to learn how memories are formed and how skills are learned. Application of these neuro-logical strategies will help build students' confidence, independence, and resilience to persevere through challenges as they reconnect with the joy of learning and discovery they experienced in childhood.

**Workshop Leader: Judy Willis, MD, EdM**, Board-Certified Neurologist; Former Elementary and Middle School Teacher; Adjunct Lecturer, Graduate School of Education, University of California, Santa Barbara; Author, *Learning to Love Math* (2010), *Teaching the Brain to Read* (2008) and *Research-Based Strategies to Ignite Student Learning* (2006)

**TUITION: \$1,975 PER PERSON** (includes room and board)

### JOIN THE LEARNING & the BRAIN SOCIETY

Join our online community and receive an exclusive MP3 CD sampler of lectures from last year's L&B Conferences, monthly e-newsletters on brain news, monthly chat sessions with neuroscientists and authors, **member discounts on upcoming L&B Conference registrations**, access to the members-only website with our neuro-library, selected talks (both audio and video) from previous L&B Conferences and more.

Visit [LearningAndTheBrain.com](http://LearningAndTheBrain.com) for more information and to join.



## UPCOMING CONFERENCES

REGISTER NOW FOR THE CHICAGO L&B CONFERENCE AND SAVE



### LEARNING & the BRAIN: THE SCIENCE OF STUDENT SUCCESS

MAY 5-7, 2011 in CHICAGO, ILLINOIS  
Held at the Westin Michigan Avenue Chicago Hotel

Co-sponsors include: Human Performance Laboratory, The University of Chicago  
Auditory Neuroscience Laboratory, Northwestern University

### OPTIMIZING THE BRAIN FOR STUDENT SUCCESS

The neurosciences are gaining insights into how training, motivation and mindsets allow athletes to excel and students to succeed in school, learn skills and maximize achievements, as well as how our fears can lead to failure. Explore how to use these new discoveries in the science of success to help students and school athletes excel in tests, school and achievement and prevent failures in performance, learning, math and reading.

### FEATURED SPEAKERS:

**Sian L. Beilock, PhD**, Associate Professor of Psychology; Principal Investigator, Human Performance Lab, The University of Chicago; Author, *CHOKe: What the Secrets of the Brain Reveal About Getting It Right When You Have To* (2010)

**Mihaly Csikszentmihalyi, PhD**, Distinguished Professor of Psychology and Management; Director, Quality of Life Research Center, Graduate School of Management, Claremont Graduate University; Former Chair, Department of Psychology, The University of Chicago; Author, *Flow: The Psychology of Optimal Experience* (2008), *Finding Flow: The Psychology of Engagement with Everyday Life* (1998), and *Creativity: Flow and the Psychology of Discovery and Invention* (1997)

**Daniel Coyle**, Journalist; Contributing Editor, *Outside Magazine*; Adjunct Faculty Member, Northwestern University; Author, *The Talent Code: Greatness Isn't Born. It's Grown. Here's How* (2009) and *Lance Armstrong's War* (2006)

**Mark J. Fenske, PhD**, Assistant Professor of Neuroscience & Applied Cognition, College of Social & Applied Human Sciences, University of Guelph; Co-Author, *The Winner's Brain: 8 Strategies Great Minds Use to Achieve Success* (2010)

Register online at [LearningAndTheBrain.com](http://LearningAndTheBrain.com) by Feb. 28, 2011 to receive a discounted rate or call 781-449-4010 ext. 101 or 102. Register jointly with the San Francisco conference to save even more.

REGISTER NOW FOR THE NEW YORK CITY ONE-DAY L&B SYMPOSIUM AND SAVE



### LEARNING & the BRAIN: SPECIAL ONE-DAY SYMPOSIUM

APRIL 7, 2011 in NEW YORK CITY  
Held at Alfred Lerner Hall

Co-sponsors include: Neuroscience & Education Program, Teachers College, Columbia University  
Dana Alliance for Brain Initiatives,  
part of Dana's "Brain Awareness Week" Campaign

### SEARCHING FOR MEMORY AND ACHIEVEMENT IN THE CLASSROOM

This one-day Learning & the Brain Symposium will bring neuroscientists and educators together to explore how memory works in the brain and its connection to classroom performance, the achievement gap, and language/learning deficits. It will also provide strategies and methods for improving memory for student learning and test taking.

### FEATURED SPEAKER:

**Eric Kandel, MD**, Neuroscientist; Founder, Center for Neurobiology and Behavior; Professor of Biochemistry and Biophysics, Columbia University College of Physicians and Surgeons; Nobel Prize winner; Author, *In Search of Memory: The Emergence of a New Science of Mind* (2007); Co-Author, *Memory: From Mind to Molecules* (2008).

Register online at [LearningAndTheBrain.com](http://LearningAndTheBrain.com) by Feb. 11, 2011 to receive a discounted rate or call 781-449-4010 ext. 101 or 102.

## ENGAGING, REACHING AND TEACHING TODAY'S iGENERATION OF STUDENTS

Today's generation of children have grown up in a fast-paced, technology-changing world that has profoundly altered the way their brains learn, think, read, socialize and interpret information – creating a new generation of innovative, video-game playing, multitasking students. At this conference you will discover ways to improve learning, literacy, teaching, treatments and global skills in this Digital Generation.

### LEARNING OBJECTIVES

SLP Participants will be able to:

- ✓ Explore the effects of multitasking on the brain, memory and reading
- ✓ Explain how digital media is altering brains, relationships and learning
- ✓ Examine ways the "iGeneration" learns, thinks, feels, and reads differently
- ✓ Apply technology to transform classrooms, schools and school reform
- ✓ Discover how games, virtual reality and tutors can treat LD, ADHD, autism
- ✓ Identify ways a stressful, fast-pace life creates learning problems and deficits
- ✓ Discuss ways to improve learning, memory, reading and language learning
- ✓ Examine the benefits and risks of social networking on schools and teens



### CO-SPONSORS

School of Education, Stanford University

Cognitive Control and Development Lab, University of California, Berkeley

The Neuroscience Research Institute, University of California, Santa Barbara

Mind, Brain and Education Program, Harvard Graduate School of Education

School of Education, The Johns Hopkins University

Comer School Development Program, Yale University School of Medicine

The Dana Alliance for Brain Initiatives, The Dana Foundation

National Association of Elementary School Principals (NAESP)

National Association of Secondary School Principals (NASSP)

Department of Speech, Language and Hearing Sciences, Boston University

Athinoula A. Martinos Imaging Center, Massachusetts Institute of Technology

### WHO SHOULD ATTEND

Educators, Parents

Curriculum, Staff Developers

Speech-Language Pathologists

PS-12 Teachers and Administrators

Learning Specialists, Special Educators

Psychologists, Social Workers, Counselors

Reading, Language, Technology Educators

Superintendents, Principals, School Heads

Neuroscientists, Neuropsychologists

Occupational, Physical Therapists

College, University Professors

Teen Teachers and Clinicians

Researchers, Policy Makers

### EARN PROFESSIONAL DEVELOPMENT CREDITS

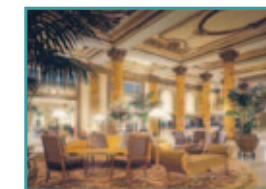


Boston University is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-language pathology and audiology. See course information for number of ASHA CEUs, instructional level and content area. ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.

This program is offered for 1.6 CEUs (Intermediate level; Professional area).

Credits are available for conference only.

### STAY AT THE HISTORIC FAIRMONT HOTEL – SPECIAL RATES



Pay only \$199 per night, single or double (plus applicable taxes). Call The Fairmont San Francisco Hotel (site of the conference) at 1-800-441-1414 or 415-772-5000 and refer to "Learning & the Brain."

The discount rate will no longer apply when the block is full, or after January 24, 2011. If the hotel block is filled, access [LearningAndTheBrain.com](http://LearningAndTheBrain.com) or call PIRIS reservations center at (781) 449-4010 ext. 101 or 102 for additional hotel choices. Located at the top of Nob Hill, The Fairmont Hotel provides a spectacular panoramic view of the "City by the Bay." The Fairmont San Francisco Hotel is ADA compliant.



28<sup>th</sup> International Conference for Speech-Language Pathologists and Clinicians  
February 17-19, 2011 • At the historic Fairmont Hotel atop Nob Hill • San Francisco, CA

## iGENERATION: HOW THE DIGITAL AGE IS ALTERING STUDENT BRAINS, LEARNING & TEACHING

Explore the latest research on:

- How the Digital Age is Altering Brains
- Understanding/Teaching the iGeneration
- Memory, Learning and Multitasking
- Teaching Teen Brains in the Digital Age
- Transforming Teaching and Classrooms
- Using Games/VR to Improve Learning
- Student Stress in a Fast-Paced Life
- Video Games and Addiction
- Technology and Assessment
- Distraction, Memory and Attention
- Virtual Worlds, ADHD and Treatments
- Overcoming the Global Achievement Gap
- School Reform and 21<sup>st</sup> Century Skills
- Learning, Parenting and Social Networks
- Literacy, Reading and Technology
- Learning Problems in a Digital Brain

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