



The Technology Forum of the
SPECTROSCOPY SOCIETY OF PITTSBURGH

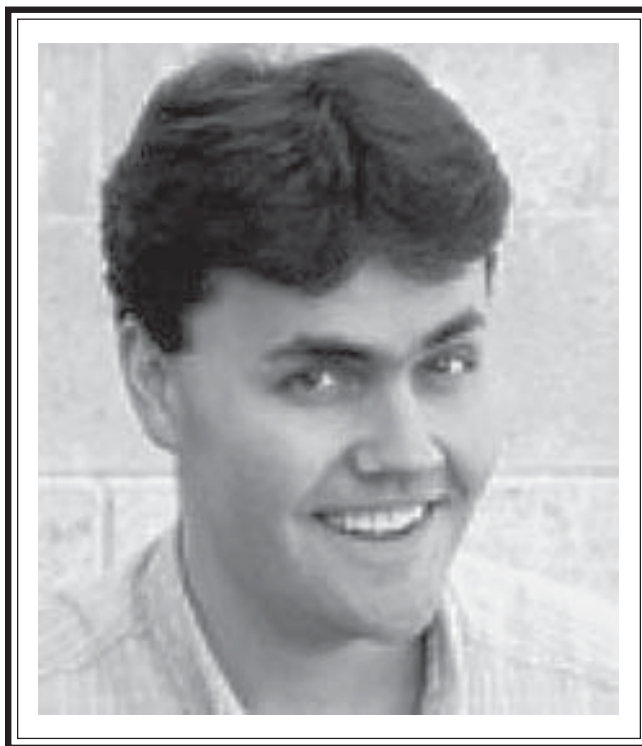
— **JANUARY MEETING** —

Wednesday – January 16, 2008

5:30 p.m.

Duquesne University

Mellon Hall of Science (Laura Falk Hall)



Jesse Schell

Asst. Professor of Entertainment Technology
Carnegie Mellon University

“Serious Games: Past, Present, and Future”

Abstract

“Serious Games: Past, Present, and Future”

Games have been used for training for thousands of years — but new digital games afford new kinds of training not previously possible. This talk will examine how techniques from digital gaming and entertainment are being used for new kinds of training simulations and other “serious” purposes, and how to design these simulations so that they strike the right balance between being engaging and educational.

Biography

Jesse Schell is on the faculty of the Entertainment Technology Center at Carnegie Mellon University, where he teaches classes in Game Design, and leads several projects, including GameInnovation.com, a systematic study of the history of videogame innovations, and Hazmat: Hotzone, an anti-terror team training game for the nation’s firefighters. Jesse is also the CEO of Schell Games (an independent game studio in Pittsburgh: www.schellgames.com), and the Chairman Emeritus of the International Game Developers Association. In 2004, he was named one of the world’s Top 100 Young Innovators by Technology Review, MIT’s magazine of innovation.

Before coming to Carnegie Mellon, he was the Creative Director of the Disney Virtual Reality Studio, where he worked and played for seven years as designer, programmer and manager on several projects for Disney theme parks and DisneyQuest, as well as on Toontown Online, the first massively multiplayer game for kids. Before that, he worked as writer, director, performer, juggler, comedian, and circus artist for both Freihofer’s Mime Circus and the Juggler’s Guild. He is presently trying to cram everything he knows into a book called The Art of Game Design.



THE TECHNOLOGY FORUM PROGRAM IS FREE AND OPEN TO THE PUBLIC.
*For further information concerning this presentation, please send an email to
Maggie Hall at mahall@state.pa.us*



Specks



SPECTROSCOPY SOCIETY OF PITTSBURGH

JANUARY MEETING

Wednesday – January 16, 2008

TECHNICAL PROGRAM - 8:15PM (Joint with the Optical Society of America)

DUQUESNE UNIVERSITY

MELLON HALL OF SCIENCE (LAURA FALK HALL)



Augustus (Way) Fountain III

Ph.D., Chief Scientist

Chemical Biological Detection, Edgewood Chemical Biological Center

*“Combat Boots and Lab Coats:
My Journey as a Soldier-Scientist”*



6:00 p.m. - Social Hour

6:30 p.m. - Dinner (City View Cafe - 6th Floor)

8:00 p.m. - Business Meeting (Laura Falk Auditorium)

8:15 p.m. - Speaker's Presentation (Laura Falk Auditorium)

Abstract

“Combat Boots and Lab Coats: My Journey as a Soldier-Scientist”

What opportunities are there for a scientist in the military? What is an Airborne Ranger doing with a Ph.D.? How does the Department of Defense use its investment in science and technology to provide the foundation for transformational joint warfighting capabilities? Is the Department of Defense basic science research strategy capable of developing the technology necessary to enable key elements of the US military's transformation? By describing my personal journey as a soldier and scientist I hope to develop a dialog with the audience in order to answer these questions and more.

Biography

Dr. Augustus Way Fountain III is currently the Chief Scientist for Chemical Biological Detection at the Edgewood Chemical Biological Center. He is also working with JIEDDO as the Chair of the Explosives Signatures and Analysis Working Group. He most recently served as a Professor of Chemistry and the Director of the Photonics Research Center at the United States Military Academy. Dr. Fountain holds a B.S. in Chemistry from Stetson University, a Ph.D. in Analytical Chemistry from Florida State University, and an M.S.S. degree in National Strategic Studies from the U.S. Army War College. His research has involved the development of fiber optic based Raman spectroscopy, the use of remote optical sensing for the detection of chemical and biological agents, the development of polymeric micro-sensor arrays, and hyperspectral remote sensing.



Dinner Reservations:

This month's entrée will be Sausage and Apple Stuffed Pork Chops with Glazed Sweet Potatoes and Sugar Snap Peas. Wisconsin Cheddar Cheese Soup & a Garden Tossed Salad will start the meal and Coconut Meringue Pie will be served for dessert.

Please email Carolyn Benga at dinners@ssp-pgh.org or call (412) 487-0915 to make dinner reservations NO LATER THAN FRIDAY, January 11, 2008. Dinner will cost \$8 and checks can be made out to the SSP. If you have dietary restrictions, please let Carolyn know when you RSVP.

Parking Instructions:

The Duquesne University Parking Garage is located on Forbes Avenue. Upon entering the garage, receive parking ticket and drive to upper floors. Pick up a parking chit at the dinner or meeting. If any difficulties arise, contact Dr. Mitch Johnson at Duquesne University.