Judy Davis—Hoachlander Davis Photography

Virginia Educational
Facility Planners

Annual Conference | February 26–27, 2007 | The Hotel Roanoke & Conference Center

A workshop to benefit school facility planners and operations staff, school administrators, architects and engineers, school board members, boards of supervisors, or anyone who is involved in the design, construction, renovation, or management of educational facilities.

www.vefp.org

ACTIVITY SPACES

Virginia Department of Education

CEFPI

Virginia Tech Invent the Future®

Monday, February 26

8:00AM **Registration Begins**

8:30–11:00AM **Pre-Conference Workshop—"Learning Space: Your Place or Mine?"**
Join Susan M. Rundle, President of Performance Concepts International, for a discussion that explores the complex relationship between student learning styles, the physical environment, and academic achievement. A student can be placed in any learning environment and learn basic information. However, when one identifies the biological factors that hinder or stimulate learning, a broader understanding of how to utilize existing space becomes copiously clear. Learning styles are a combination of many biological and experientially imposed characteristics that contribute to the way students begin to concentrate on, process, absorb, and retain new and difficult academic information. Because the interaction of these elements occurs differently in everyone, it is important to determine how to respond to students' natural processing styles to produce long-term memory and retention. This session explores those factors that can easily be addressed in existing school structures. We also identify how students' learning spaces differ and affect students' achievement. Research shows that achievement can be increased in six weeks by matching the lighting needs of a student. Other factors in the physical environment that easily can affect academic achievement are addressed.

11:00AM **Architectural Exhibits Setup**

12:00–1:00PM **Lunch Buffet (Part of Conference)**

1:15–1:30PM **Welcome and Conference Overview**
Vijay Ramnarain, President
John Hill, President Elect

1:30–3:00PM **Keynote Address—"From Green to RED Design: The Theory and Practice of Restorative Environmental Design"** Dr. Stephen R. Kellert, Tweedy Ordway Professor of Social Ecology at Yale University's School of Forestry and Environmental Studies, delivers a keynote presentation that suggests that true and lasting sustainability in the built environment (restorative environmental design) requires both a low environmental impact design approach that avoids and mitigates adverse impacts on natural systems, as well as a positive environmental impact or biophilic design strategy that enhances human health and well-being by fostering inherent human affinities for nature. Unfortunately, the prevailing paradigm of design of the human built environment accomplishes neither objective, while current sustainable design strategies focus almost exclusively on low environmental design approaches. The benefits and means for achieving a more effective restorative environmental design approach is described and tied to human evolution and biology.

3:00–3:15PM **Break**

3:15–4:15PM **Mini Sessions - (choose one)**

1. "Working Together for Success: Parents, Students, and Schools"
Schools and communities can create a promise for the future through recognizing and valuing the inherent worth and uniqueness of each individual. When schools, parents, and children work together utilizing a common language, motivation for life-long learning will be sustained. When one child succeeds, everyone triumphs. Join us for this lively interactive session and discover how we each in our way can triumph by building excellence through students.

2. Preparing a Capital Improvement Plan (CIP) and Budget Cost Estimates The presenters will define what a CIP is, the process used by Chesapeake Public Schools in developing its CIP, and the construction budget cost estimates used in the CIP. Developing budget cost estimates are discussed and attention is given to all items that need to be included.

3. Geothermal: Investment and Payback This seminar begins with a brief review of current geothermal (ground source) technologies and strategies, including a description of the terminology, a summary of how geothermal heat pumps work, and possible system configurations. This is followed by a review of the extent of application for different building types throughout the U.S. and Virginia.

4. Case Study: 2006 Award-Winning School
Meadowbrook High School, Chesterfield County Public Schools
BCWH Architects

5. Case Study: 2006 Award-Winning School
Kenmore Middle School, Arlington County Public Schools
Grimm + Parker

4:15–4:30PM **Break**

4:30–5:00PM **VEFP Business Meeting**

5:00–6:00PM **Reception**
Visit Architectural Exhibits, Renew Acquaintances

6:00PM **Dinner and Entertainment**
"Clean Comedian" Tom Ryan

Tuesday, February 27

7:00–8:00AM **Continental Breakfast Buffet**
Visit Architectural Exhibits

8:15–9:15AM **Mini Sessions—(choose one)**

1. "Why Not?" A Discussion of Educational Facilities Within the Context of a Changing 21st Century America When preparing for a new school building or renovation, we often ask "what" and sometimes "how" and "why," but it is rare in these days of fast-track schedules and inflation-fearful budgets to ask "what if" or "why not?" This session challenges conventional wisdom and provides fuel for creative facility design.

2. Contemporary Learning Environments: Innovative Design Solutions
The Center for High Performance Learning Environments at Virginia Tech presents two ongoing projects as alternative solutions for designing learning environments in the 21st Century. The designs proposed for these innovative learning environments address a primary goal of designing spaces that are visually appealing, cost effective to manufacture, energy efficient, and environmentally-friendly to operate.

3. Case Study: 2006 Award-Winning School
Sealston Elementary School, King George County Public Schools
Moseley Architects

4. Case Study: 2006 Award-Winning School
Roanoke Academy for Math and Science, Roanoke City Public Schools
Spectrum Design

9:15–9:30AM **Break**

9:30–10:30AM **Mini Sessions—(choose one)**

1. The Community Design Process This seminar uses the District of Columbia community engagement process as a case study for community engagement and consensus building. Participants engage in an interactive question and answer exercise demonstrating how "real time" group participation can move expectations and influence opinion.

2. Performance Contracting: Investing and Payback This seminar offers a case study with lessons learned, do's and don'ts, and provides helpful examples of what to look for if your school district might be considering performance contracting. The basics of performance contracting, including the selection of a Performance Contractor, the identification of energy saving measures, the proposal review, and the delivery of the savings are discussed.

3. Classroom Sound Fields—There's More Than Meets The Ear
Classroom amplification is not just about hearing; it is about providing a more ideal learning environment for every student—essentially "activating" students in the learning process. This session includes a case study of a school system that implemented use of active learning systems. Challenges, project management, preplanning, design and installation, and training and support are explored.

4. Case Study: 2006 Award-Winning School
Mary Ellen Henderson Middle School, Falls Church City Public Schools
BeeryRio Architecture + Interiors

10:30–10:45AM **Break**

10:45–11:45AM **Mini Sessions—(choose one)**

1. Planning, Designing, and Constructing Educational Facilities Today—"What a Pain!" Architects and engineers currently produce construction documents under the premise of "reasonably inferable and general intent" while contractors and subcontractors bid and construct under a "plan and specification takeoff." This session addresses the impact of the gap created between these two positions in planning, budgeting, designing, bidding, and constructing educational facilities today.

2. Selecting Quality School Sites This mini session offers an overview of how potential school sites are typically identified and reviews the most common search criteria for school sites. Multiple examples of site evaluations are discussed, including the process used by Chesapeake Public Schools to acquire school sites.

3. Historic Tax Credits and School Renovation Projects Public and private schools across the commonwealth have undertaken major renovation projects whose costs were significantly reduced through the successful application for historic tax credits. This presentation addresses the steps school boards must take in order to qualify. The potential and limits of the historic tax credit program in light of newly published regulations are discussed.

3. Case Study: 2006 Award-Winning School
Hayfield Secondary School, Fairfax County Public Schools
Samaha Associates

12:00NOON **VEFP Awards Luncheon**

Location

The conference will be held at The Hotel Roanoke and Conference Center. The Center is a full-service conference facility and lodging rooms are being held for the nights of February 26 and 27. To reserve your lodging room, call the hotel directly at 540-985-5900 or call toll free 1-866-594-4722. Register by **January 24** and mention the name of this conference to receive the special lodging rate of $103/single or $123/double + tax. There will be a $10 charge for an additional person, per day plus tax.

Sponsorship/Exhibits

Our sponsorship program allows architects and other organizations involved in the planning and design of educational facilities to support the VEFP by contributing $1500, $1000, $500 or $300. For this sponsorship, we will boldly list your company in the conference program as a sponsor and friend of VEFP and you will be recognized at the annual banquet. Additionally, event sponsorship is available.

We will also be inviting the architects who submit school exhibits to share those projects with the attendees during the reception just prior to the annual banquet. There is a $125 exhibit fee per entry displayed and this fee will be used to support that evening's events. If you are an architect that wishes to submit architectural exhibits at the conference and also wish to be a sponsor, the $125 exhibit fee will be waived on the first entry.

For More Information

For further program or registration information, please call Elizabeth Wade Fillman at Virginia Tech's Continuing and Professional Education, (540) 231-9087, or e-mail *elwade1@vt.edu.*

Fee and Registration

The fee for this conference includes registration, conference materials, coffee breaks, evening reception, banquet, and two luncheons. A separate fee of $85 covers the optional preconference workshop. To register, complete the form and return it with payment, or you may register online by credit card at ***http://www.cpe.vt.edu/reg/vefp/***.

Your registration form and fee should be returned no later than February 9, 2007. Late registrations must be confirmed with the Conference Registrar at (540) 231-5182 to verify space availability.

Refund and Cancellation Policy

Requests for refunds will be honored when received seven calendar days prior to the program. However, another person may be substituted at any time for this program. A $30 administrative fee will be deducted for cancellations. In the unlikely event that this program is cancelled or postponed due to insufficient enrollments or unforeseen circumstances, the university will fully refund registration fees but cannot be held responsible for any other expenses, including cancellation or change charges assessed by airlines, hotels, travel agencies, or other organizations.

For weather or disaster-related program cancellation or postponement information, please call 540-231-9489.

VT/170/1206/1M/271409

Registration

Virginia Educational Facility Planners Annual Conference
February 26–27, 2007

Register online at ***http://www.cpe.vt.edu/reg/vefp/*** or complete and mail this form.
Please print or type. Complete a separate form for each participant.

_____
Name

_____
Title

_____
Organization

_____
*Organization's FID #

_____
Address

_____
City

_____
State   Zip

_____
Daytime Phone#

_____
E-mail

_____
Fax

Method of Payment
❏ Check enclosed, *payable to Treasurer, Virginia Tech*
❏ VISA   ❏ MasterCard   ❏ AmEx

_____
Card #   Exp. Date

_____
Cardholder Name

Note: Registration will be processed when payment is received.

Registration Fees
❏ Optional Pre-Conference Workshop—**$85**
❏ School Divisions Personnel—**$215**
❏ Students (*student ID required*)—**$75**
❏ Design Professionals and All Others—**$265**

Meal Option *(please choose one for each day)*

Dinner 2/26   **Lunch 2/27**
❏ Beef ❏ Chicken   ❏ Beef ❏ Chicken
❏ Fish ❏ Vegetarian   ❏ Fish ❏ Vegetarian

Sponsorship Fees
❏ Sponsorship— ❏ $1500 Platinum Level
                          ❏ $1000 Gold Level
                          ❏ $500 Silver Level
                          ❏ $300 Bronze Level
❏ Architectural Exhibit—$125 per Entry

Total Amount Enclosed $ _____

Return with conference registration and/or sponsorship check by **February 9, 2007** to: (no staples, tape or paper clips, please)

Conference Registrar, Continuing and Professional Education
Virginia Tech, Mail Code 0272
702 University City Blvd.
Blacksburg, VA 24061
phone: (540) 231-5182
fax: (540) 231-3306

Office Use — Received

AMT:_____
CHK#:_____
DPST:_____
DATE:_____

*Necessary to process any refunds to any company, agency or government.

The information you provide is subject to the Freedom of Information Act guidelines.

Highlights

Experience two days of interactive workshops, lectures, and mini-sessions of your choice to discuss implementing best practices in educational facility design and management in Virginia:
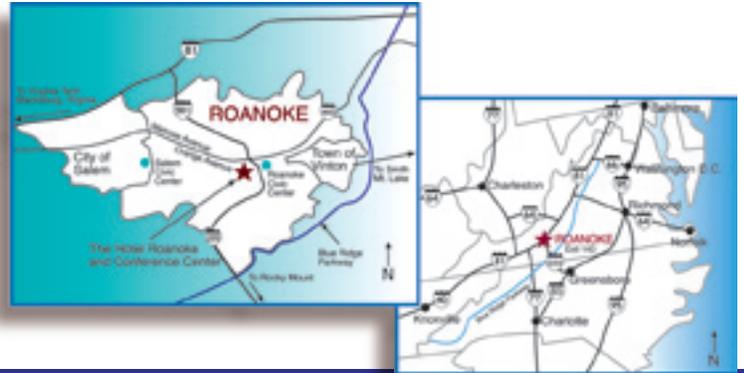
◆ Keynote address from Dr. Stephen R. Kellert, Tweedy Ordway Professor of Social Ecology at Yale University's School of Forestry and Environmental Studies

◆ Learn about performance contracting, site selection, and budget preparation

◆ Hear what the research says about how educational facilities affect learning

◆ Hear from users of last year's exhibit award winners

◆ Catch up on the latest trends in 21st Century school environments

◆ Receive continuing education credits

Directions

From North or South I-81 Exit 143 (I-581) to Exit 5, Bear right onto Wells Avenue, Parking straight ahead.

From 220 North 220 North becomes I-581 North, Exit 4E to Route 460 (Orange Avenue), Right on Wells Avenue, Parking straight ahead.

From Lynchburg 460 West 460 West becomes Orange Avenue, Left on Williamson Road, Right on Wells Avenue, Parking straight ahead.

Cover photo: 2006 Award-Winning Schools: Mary Ellen Henderson Middle School, Falls Church City Public Schools; Meadowbrook High School, Chesterfield County Public Schools; Kenmore Middle School, Arlington County Public Schools; Sealston Elementary School, King George County Public Schools; Roanoke Academy for Math & Science, Roanoke City Public Schools; Hayfield Secondary School, Fairfax County Public Schools.

Previous Participating School Divisions

Alexandria City Public Schools	Franklin County Public Schools	Madison County Public Schools	Spotsylvania County Public Schools
Alleghany County Public Schools	Frederick County Public Schools	Mecklenberg County Public Schools	Stafford County Public Schools
Arlington County Public Schools	Grayson County Public Schools	Montgomery County Public Schools	Staunton City Public Schools
Chesapeake City Public Schools	Hanover County Public Schools	Newport News City Public Schools	Suffolk City Public Schools
Chesterfield County Public Schools	Henrico County Public Schools	Poquoson City Public Schools	Tazewell County Public Schools
Culpeper County Public Schools	Highland County Public Schools	Powhatan County Public Schools	Virginia Beach City Public Schools
Fairfax County Public Schools	King & Queen County Public Schools	Richmond City Public Schools	Washington County Public Schools
Falls Church City Public Schools	Loudoun County Public Schools	Roanoke City Public Schools	Williamsburg-James City County Public Schools

VirginiaTech

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Blacksburg, VA 24061