Attendees: 20 applicants selected on the strength of support of their educational institution for innovation, and their interest and experience in CS education. Preference given to under-represented populations. Send your 3 page proposal to fox@vt.edu by 4/1/97. A proposal for funding expenses is pending with the National Science Foundation.

Location: Virginia Tech, in the Donaldson Brown Center for Continuing Education and the Department of Computer Science, using a variety of labs, including those recently renovated through NSF Research Infrastructure grant for “Interactive Accessibility”, and a CAVE (large VR environment). One event will be at scenic Mountain Lake. Blacksburg is in the Blue Ridge mountains of southwestern Virginia, 40 miles from Roanoke airport.

Schedule: Attendees arrive 6/15 and depart 6/21. Attendees receive 4 CEU credits for 40 hours of presentation, interactive activities, and discussion, plus evening access to labs (so groups can work to meet the educational development objectives of each attendee).

Coverage: This workshop will enable attendees to set up WWW sites to support CS education, make use of the extensive courseware and lab materials developed at Virginia Tech and Norfolk State University since 1993, and to apply digital library and WWW logging methods for delivery and evaluation.

Special Tools: SWAN for algorithm visualization, QUIZIT for WWW test-taking, IDEAL for recording and studying users' video and computer logs, full professional digital video capture and editing system.

Topical Areas: The most popular of the following topics will be covered. Where course numbers are given, these are new or EI-extended courses that could easily be offered at other sites, drawing on courseware at http://ei.cs.vt.edu/courses.html

Analog / digital video editing
CS labs
CS1604 Intro to Internet
CS3414 Numerical Methods
CS3504 Professionalism
CS3724 Intro to HCI
CS4624 Multimedia, Hypertext,
Information Access
Digital Libraries
IDEAL and usability testing
Java and Java Script
Log analysis and visualization
Networking / WWW Administration
QUIZIT
SWAN