

Secure Software Education Initiatives.

Critical to supporting the efforts currently underway in software assurance by DHS and SEI is the robustness and security of the underlying programming of the software. Panelists will discuss the issues in educating students and professionals on the concepts and practices of robust (also called "secure") programming. The discussion will highlight the findings of the NSF-sponsored Summit on Education in Secure Software (SESS). Among the topics are "road maps" describing what is appropriate to teach members of constituent groups (computer science majors, non-computer science majors, community college students, K-12 students, computer science professionals, and other professionals), ways to teach them, what resources will be needed to achieve that level of education, expected and possible challenges to meeting those goals (the "potholes"), and specific recommendations for meeting the articulated educational goals. For perspective, panelists will also discuss how this relates to curricula such as the IEEE/ACM/AIS approved curriculum for software assurance.