

## **SECTION V**

### **ADVANCES IN COGNITIVE THEORY**

This section is the most theoretical of all the workshop sections. It sets the stage for the understanding of psychological aspects of technology and training. This section places much emphasis on the value and utility of cognitive theory and how it has affected tutoring models available for military training.

- Chapter 13: Implications of Advances in Cognitive Science for Intelligence Tutoring  
A. Samarapungavan, F.T.M. Brazier, and A.F. Sanders  
*Vrije University (NE)*
  
- Chapter 14: Modelling the Expert Training Developer  
R.S. Perez and E.C. Neiderman, *Army Research Institute (US)*
  
- Chapter 15: Analytical Methods for Optimizing Knowledge-Based  
Information Structures in Simulation-Based Training  
B. Zimolong and Udo Konrad, *Ruhr-Universitat Bochum (GY)*