

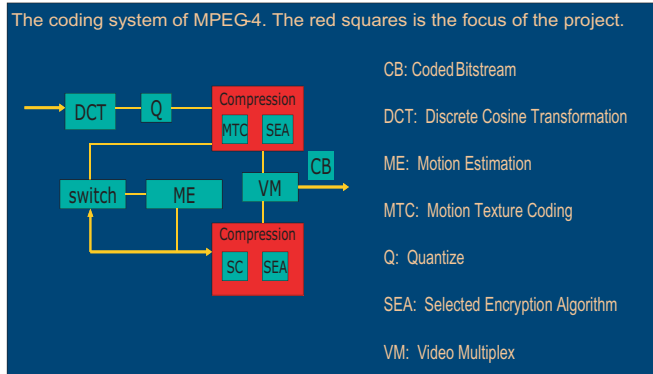


## Multimedia, Computer Games, & Digital Animation Group

### Lightweight Encryption Algorithms for Multimedia Applications

Wang, C. & S. H. Courellis  
CS Dept., California State Univ., Fullerton

**Description:** Investigation of low overhead, scalable encryption algorithms with configurable encryption strength as they apply to the transmission of encrypted multimedia streams.



### Applications

- Protected Video-On-Demand delivery
- Secure Videoteleconferencing
- Secure mobile communication with customizable encryption strength.

### Focus

Interactive Entertainment, Computer Animation, Computer Graphics, Video Games, 3-D Modeling, Intelligent Software Components

### Proposed Courses

- Game Design and Creation
- Computer Graphics and Art
- Digital Animation and Tools
- Machine Learning and Physics Simulation
- Game Projects

### Group Members

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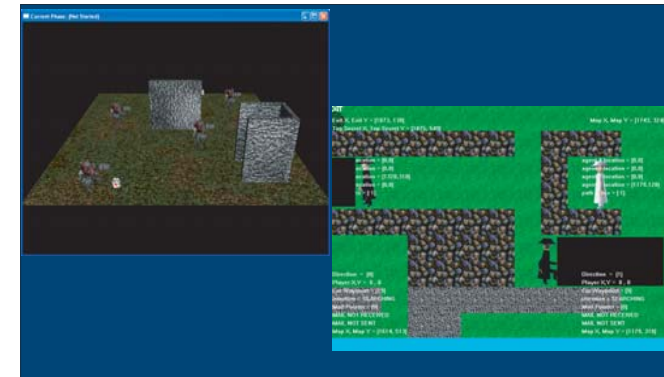
### Collaborating Groups

- Computer Security & Forensics
- Data Mining and Bioinformatics
- Embedded, Wireless, & Mobile Computing
- Software Engineering
- Web & Internet Technologies

### Pure Instincts and A Flexible Agent Coordination Language

Kelvin Yong, Andrew Hess, Chang-Hyun Jo, Donna Kastner  
CS Dept., California State Univ., Fullerton

**Description:** Providing an efficient method for the exploration and navigation of unknown environments, and for the coordination and conversation among cooperative mobile agents



### Applications

- Intelligent Application Development
- Intelligent Game Development
- Intelligent Robot Development