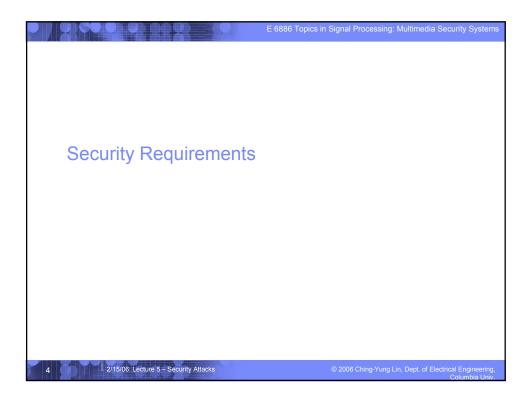
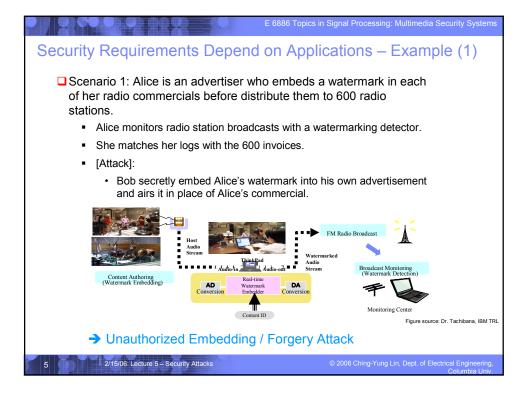
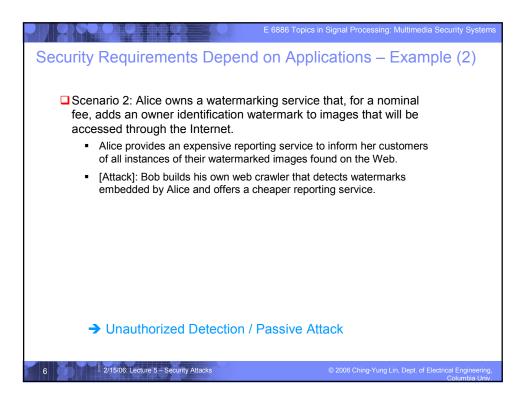


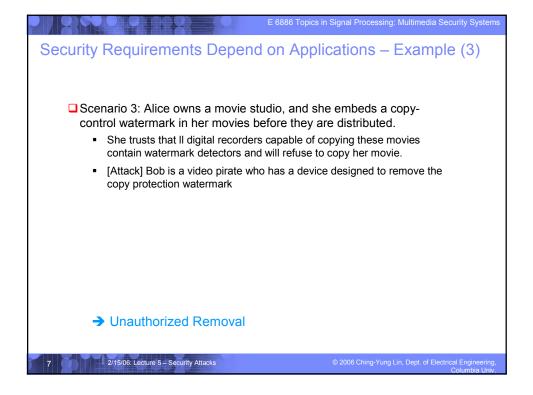
	E 6886 Topics in Signal Processing: Multimedia Security Systems
Outline Introduction	
Multimedia Security :	
 Multimedia Security . Multimedia Standards – Ubio 	uitous MM
 Encryption – Confidential MM 	
 Watermarking – Uninfringible 	
 Authentication – Trustworthy 	MM
Security Applications of Multim	edia:
 Audio-Visual Person Identific 	ation – Access Control, Identifying Suspects
 Surveillance Applications – A 	bnormality Detection
 Media Sensor Networks – Ex 	ent Understanding, Information Aggregation
2 2/15/06: Lecture 5 – Security Attacks	© 2006 Ching-Yung Lin, Dept. of Electrical Engineering, Columbia Univ.











	Embed	Detect	Remove
Broadcast Monitoring			
Advertiser	Y	Y	-
Broadcaster	N	Ν	-
Public	N	Ν	-
Web Reporting			
Marking Service	Y	Y	-
Reporting Service	-	Y	-
Public	N	Ν	N
Copy Control			
Content Provider	Y	Y	-
Public	-	Y	N

