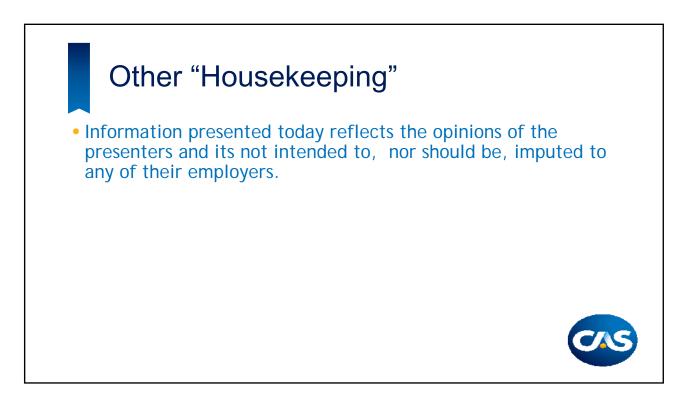
## Evolving Cyber Risk- A Multidisciplinary Perspective

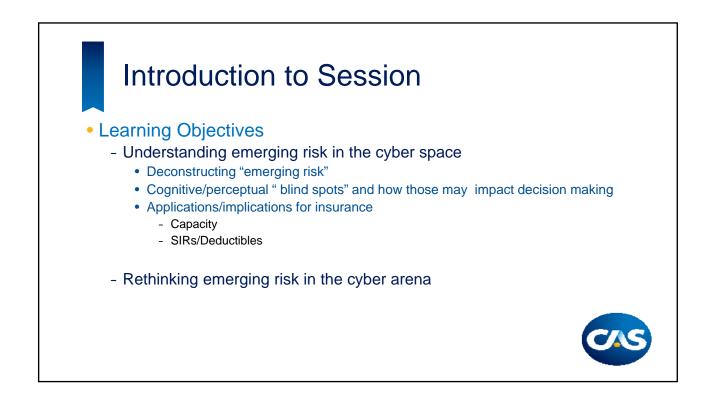
Dr. Kathleen Locklear, MBA, D.Mgt. Michael Solomon, FCAS, MAAA, CERA

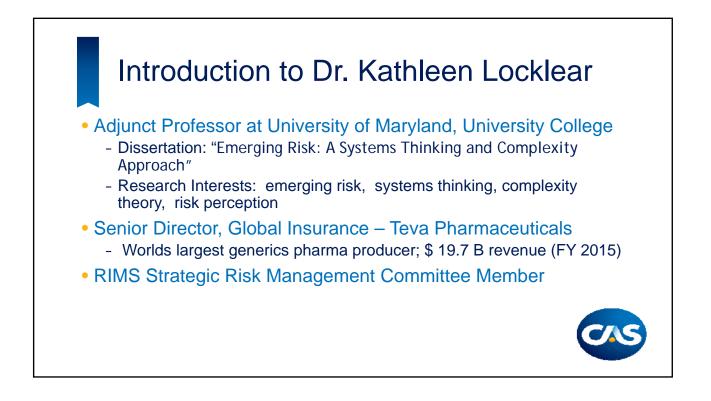
## ADMINISTRATIVE ITEMS



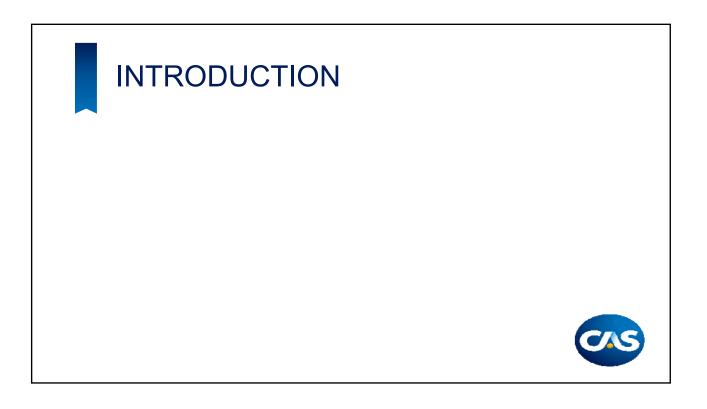




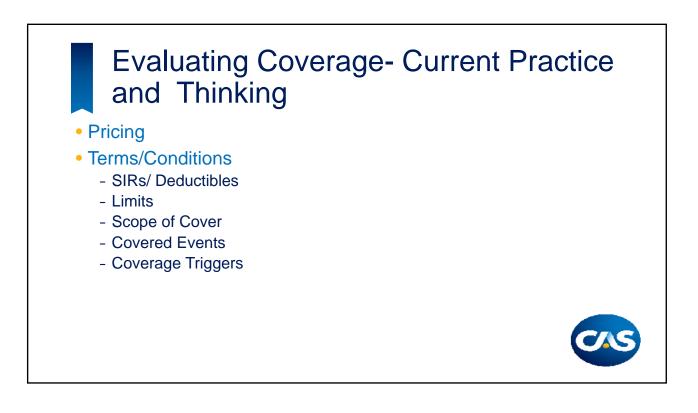




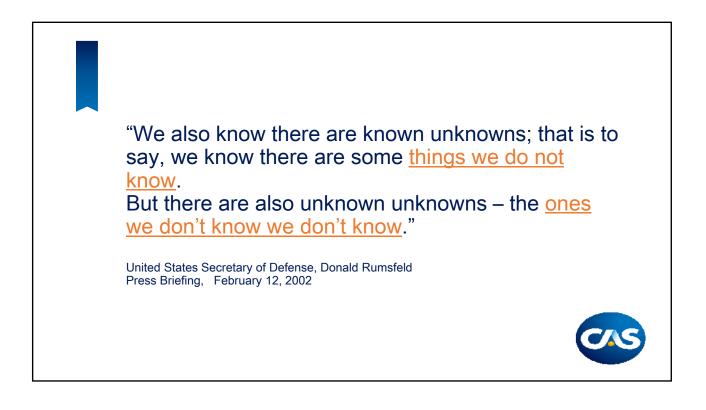


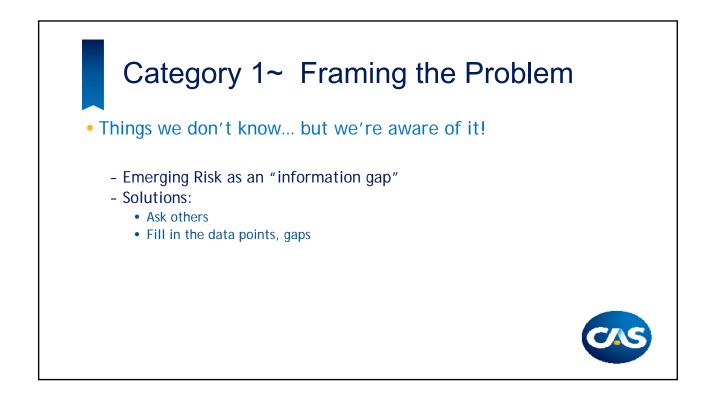


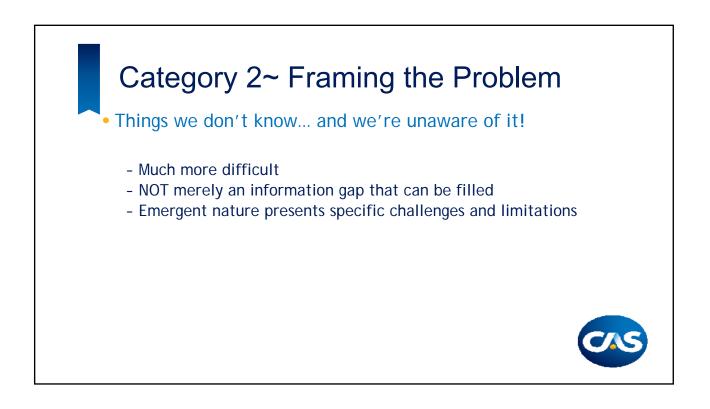
ome C	yber Los	ses	
Breach	Cause	Cost (Ground Up)	Cost (Insured)
Breach	Cause	Cost (Ground Op)	Cost (insured)
Epsilon	Spear-Phishing <sup>1</sup>	Up to \$4 billion"	No coverage in place
Home Depot	Vendor Cybersecurity Failure and Microsoft Windows security failure	\$ billions'''	\$100 million
Wendy's	Unknown	\$ billions <sup>iv</sup>	Unknown
Veterans Administration	Computer/ External Hard Drive incidentally stolen from employees house during burglary <sup>v</sup>	\$500 million <sup>18</sup>	No coverage in place
Target	Vendor Cybersecurity Failure	\$252 million <sup>vi</sup>	\$90 million
Hannaford Bros	Malware	\$252 million <sup>wi</sup> ; ID theft insurance and replacement card costs held compensable <sup>viii</sup>	No coverage in place
Sony Playstation	Unknown	\$171 million <sup>vii</sup>	Unknown; settlement when appeal pending after bench granted summary judgment against Sony <sup>is</sup>
TJ Maxx	Poorly Secured Wireless LAN in two stores*	\$256 million*	\$19 million**
Sony Pictures Entertainment	North Korea	\$151 million + reputation	\$151 million
Heartland Payment Systems	SQL Injection attack <sup>erri</sup>	\$140 million <sup>se</sup>	\$30 million <sup>viv</sup>
Anthem	Bogus Domain Name/ Phishing	Over \$100 million <sup>st</sup>	\$100 million**

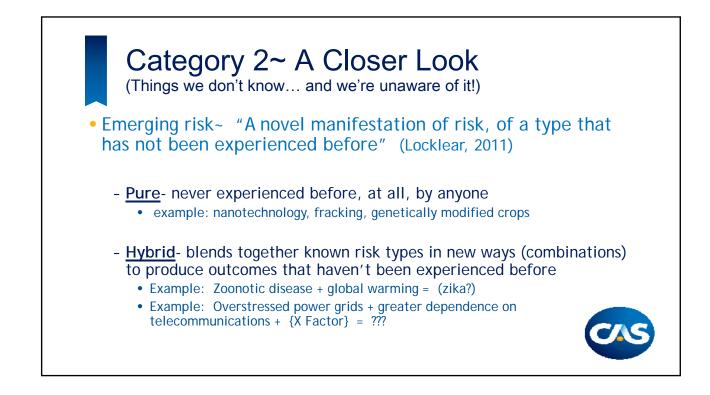


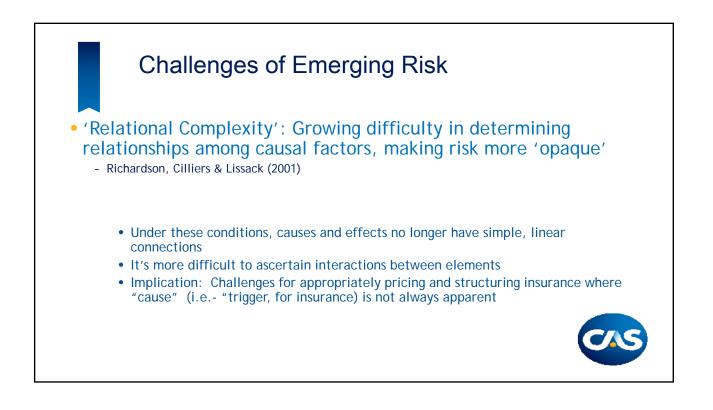


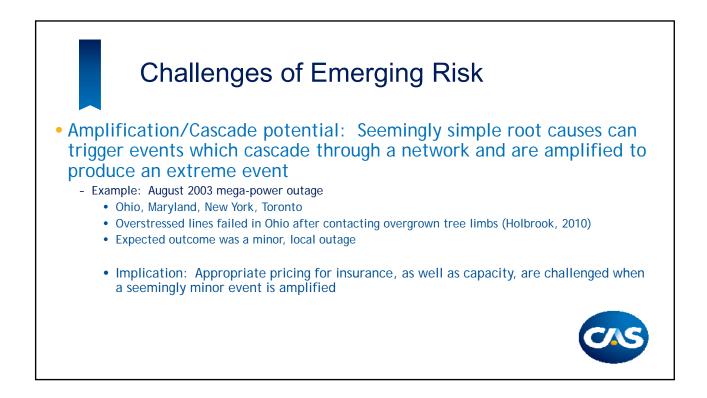


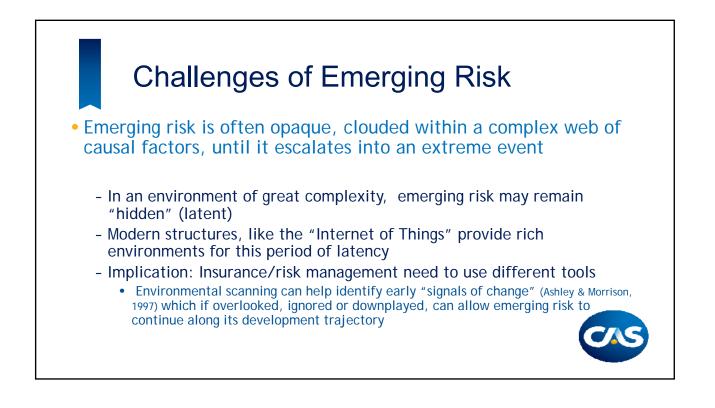


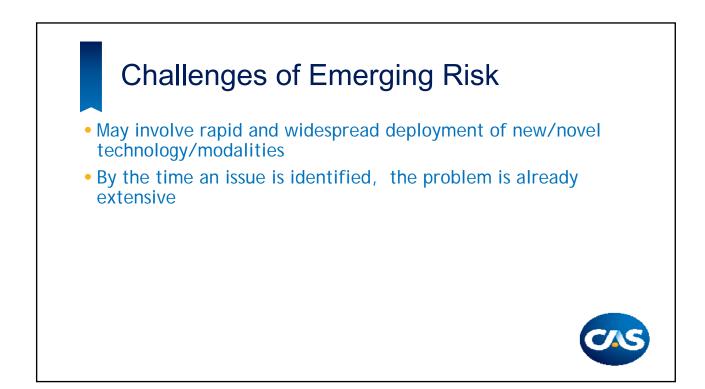


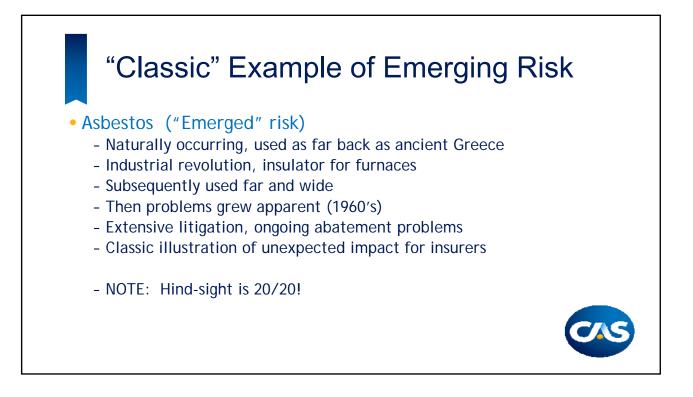




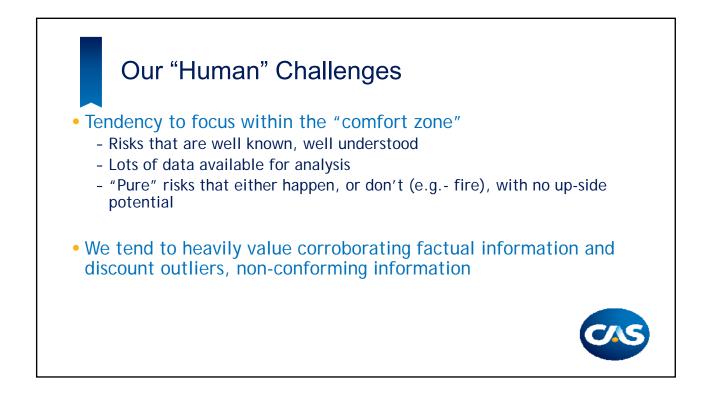


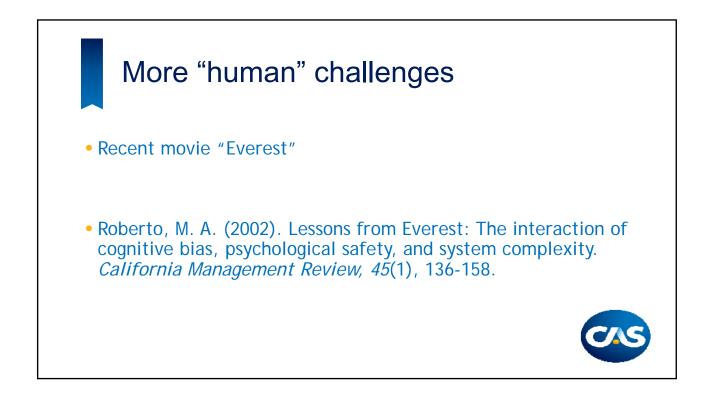




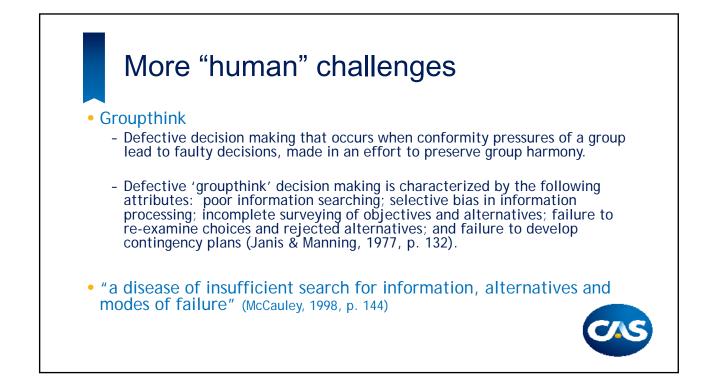


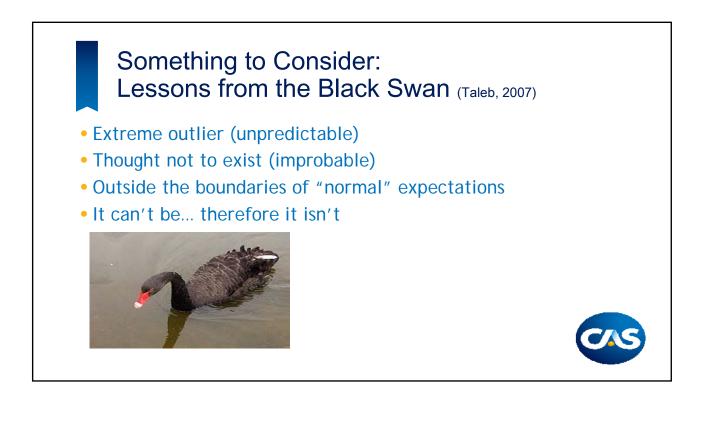


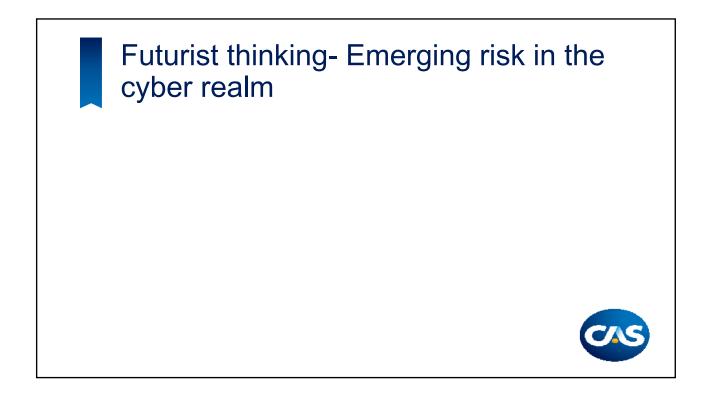


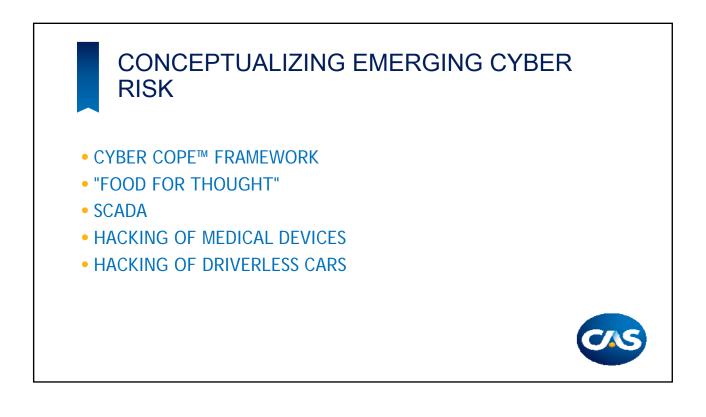














	Summary of COPE to Cyber-COPE™	
--	--------------------------------	--

CYBER COPE™	MEASUREMENT TYPE	SAMPLE DATA ELEMENTS
COMPONENTS	OBJECTIVE	NUMBER OF ENDPOINTS, NETWORK CONNECTIONS, SOFTWARE VERSIONS, DATA CENTER LOCATIONS
ORGANIZATION	OBJECTIVE	POLICY HOLDER'S INDUSTRY, QUALITY OF IT/SECURITY RELATED POLICIES, USE OF INDUSTRY STANDARDS
	COMPONENTS	TYPE   COMPONENTS OBJECTIVE

Summ	ary of CO	OPE to Cyl	ber-COPE™
СОРЕ	CYBER COPE™	MEASUREMENT TYPE	SAMPLE DATA ELEMENTS
PROTECTION	PROTECTION	SUBJECTIVE	DATA RETENTION POLICIES, FIREWALLS, MONITORING, INCIDENT RESPONSE/READINESS POLICIES
EXPOSURES	EXPOSURES	SUBJECTIVE	POLITICAL OR CRIMINAL MOTIVATION, TYPES OF OUTSOURCING, TYPE/AMOUNT OF SENSITIVE INFORMATION
Retrieved October 27, 2 underwriting.aspx.	016 at <u>https://www2.c</u>	hubb.com/us-en/business-i	nsurance/transforming-cyber





