

Society for Risk Analysis - Fifth World Congress on Risk

"Development and Resilience"

**Cape Town International Convention Centre
Monday, 6 May 2019 to Wednesday, 8 May 2019**

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Cognitive Risk Management

A Cognitive Risk Framework is presented in response to asymmetric risks inherent in cyber risk and an economy increasingly driven by technology. The Five Pillars of a Cognitive Risk Framework are designed to help organizations right-size the allocation of risk resources. The five pillars include: Cognitive Governance, Intentional Control Design, Business Risk Intelligence & Legal Risk Assessment, Cyber Risk Intelligence & Human-Element design, and Cognitive Data & Human Integration.

Cognitive Governance starts with an assessment of an organization's Risk Perception. A Cognitive Map is created through a Risk Perception Assessment which develops a road map for identifying blind spots across the organization and rebalances the focus of risk practice where the opportunity to reduce risk and improve processes is greatest.

The Cognitive Map created by the Risk Perception Assessment drives the rest of the five pillars and determines the extent and need for implementing each program in the pillar.

Intentional control design is the process of leveraging the results from the Cognitive Map and incorporates how people work to evaluate a risk solution design. Intentional control design is implemented to reduce "cognitive load".

The Business, Risk & Legal Intelligence pillar is the process of research and development to refine risk management practice and business performance through

an active process of intelligence gathering.

The Cybersecurity Risk Intelligence and Human-Element Design pillar is similar to the intentional control design pillar but includes greater emphasis on the human-element of cyber risk.

Lastly, the Cognitive Data and Human Integration pillar is designed to develop a robust decision support capability for targeted solutions. The cognitive data and human integration pillar is focused on creating Situational Awareness as a competitive advantage.

Keyword 1	cognitive governance
Keyword 2	cognitive map
Keyword 3	risk perception assessment
Keyword 4	five pillars of a cognitive risk framework
Keyword 5	intention control design
Presentation Format	Oral Presentation
I volunteer to be a	Session Chair
Primary Specialty Group	Decision Analysis and Risk
Significance	Presents a new model
Description	Theoretical and Applied

Cognitive Risk Management abstract to the Society for Risk Analysis

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