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ENSC 300 (Energy Seminar) Annotated Bibliography, Supplementary Reading

Adam Liska
University of Nebraska - Lincoln, aliska2@unl.edu

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Innovation


Sociology of Innovation, Business, & Work


increased business competition necessitates increased dedication to work and declining family structures
Sustainable Business Strategy


energy use can be dramatically reduced and services and value can be increased with innovation


t renewable energy systems have low power densities and require large areas

businesses can increase profit and competitive advantage by quantifying & minimizing environmental impacts


Leadership

in-depth look at how important thinkers built and differentiated themselves from existing trends

argues for a disciplined mind, synthesizing mind, creating mind, respectful mind, and ethical mind


every employee will change jobs many times and it is important to make impacts early for success

maintain high standards, collaborative relationships, & initiative (persistence & hard work)

evaluation of conformity, persuasion, prejudice, and other social interaction

social situations tend to create conformity that very easily modify the character of people

new information about impending downside risks has consistently led society to act to mitigate threats

Science, Engineering, & Business History


how John von Neumann created the electronic digital computer to improve artillery accuracy, fluid dynamics of atomic and hydrogen bombs, & weather forecasting, create game theory, and reinterpret biology
Economics


Nobel Prize-winning economist: the price of many goods & services are biased, because excluded externalities

how China is influencing global economic change

future economic growth must and can decrease the flow of resources but increase the value of goods

elections are determined by the informed minority and most Americans do not use economic logic


concentration of wealth tends to accelerate inequality, and policies are needed to correct the imbalance

Energy, Business, & Environmental Policy

this company has continuously altered public perceptions, used politics, & managed risks to stay profitable

academic and industrial scientists have consistently been supported by industry and underestimated risks

New Orleans and Louisiana are a highly polluted petrochemical environment

Federal agencies have great ability to alter implementation of federal law via rule making and agency discretion

outlines the current relationships between nuclear power and nuclear weapons


Climate Change & Insurance


Nobel Prize-winning economist explains many judgment biases in summary of career’s work


**Ethics**


