

Risk Engineering and Freedom from Industrial Harms

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In this talk, we delve into the complexities of major industrial incidents and the application of Human Rights in risk-based decision making. Major industrial incidents, including the devastating Beirut explosion, show that using computational probabilities to justify the location of industrial hazardous chemical plants within urban areas, does not protect the community from catastrophic chemical events. The newly revised Queensland planning code - State code 21 - uses a consequence-based lens, shifting the focus towards protecting the right to life as enshrined in the Human Rights Act 2019 (QLD).