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Uncertainty Quantification & Radical Interdisciplinarity

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Cook, Douglas, "Uncertainty Quantification & Radical Interdisciplinarity" (2024). *BYU Research Development Office Research Networking Conference*. 359. https://scholarsarchive.byu.edu/researchnetworking/359

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Uncertainty Quantification & Radical Interdisciplinarity



Douglas Cook

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Areas of Interest:

Limitations of scientific models

Sensitivity analyses

Theory-based and statistical modeling

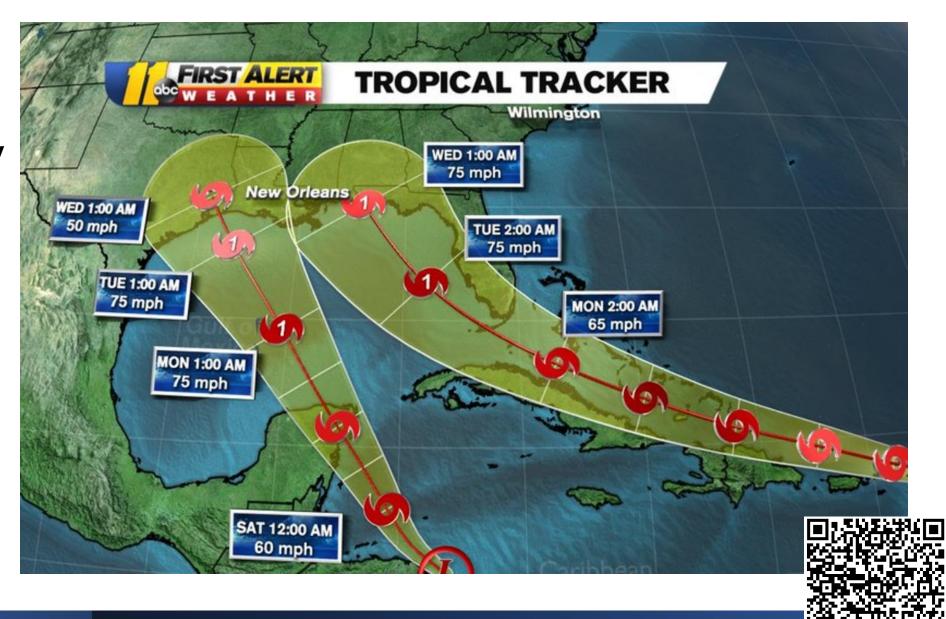
Systems thinking, systems analysis

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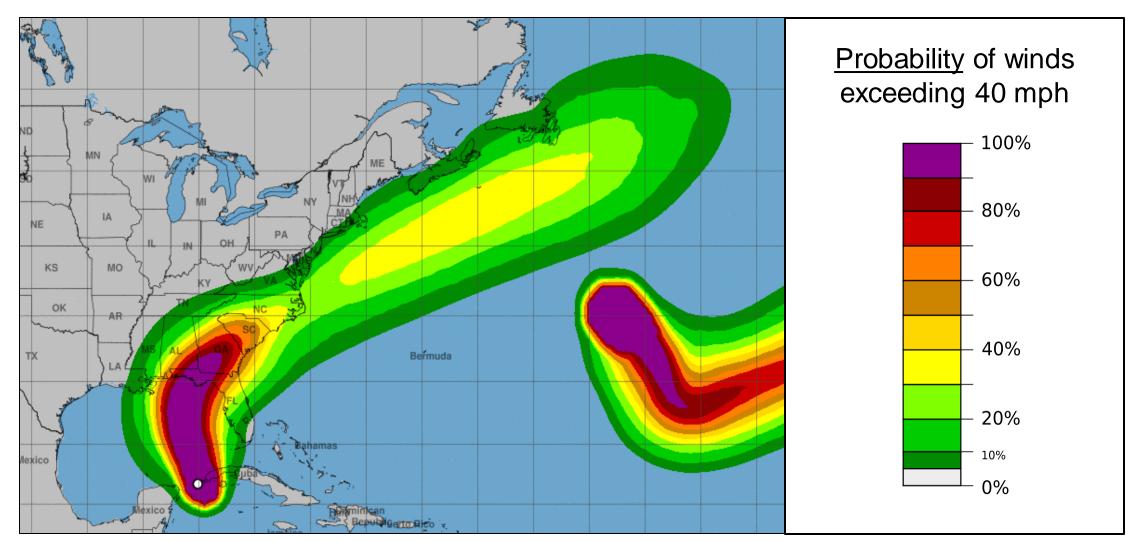


1. Radical Interdisciplinarity

2. What is Uncertainty Quantification?

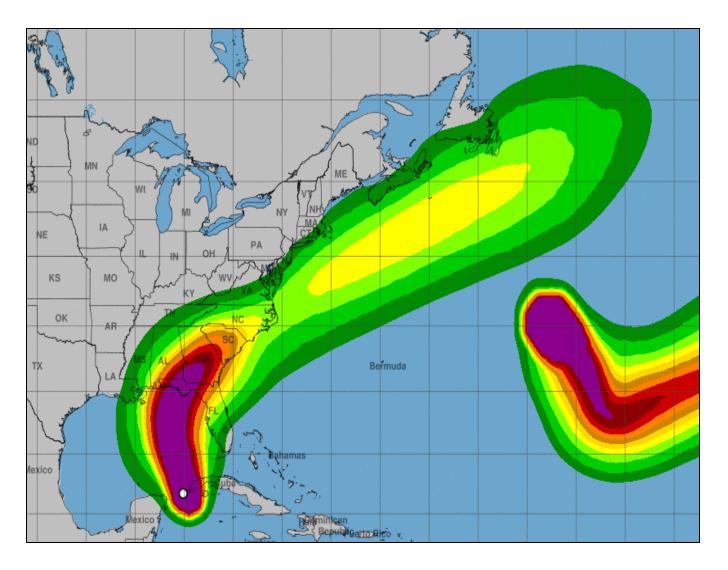












Uncertainty quantification has benefits anywhere a computational model is used:

Biomechanics

Physics

Biology

Business

Chemistry

Economics

Engineering

Machine Learning & Al





Let's chat about collaboration possibilities!



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Systems thinking, systems analysis

Radical interdisciplinarity

Graduate Course this Winter:

ME EN 577:
Uncertainty
Quantification

