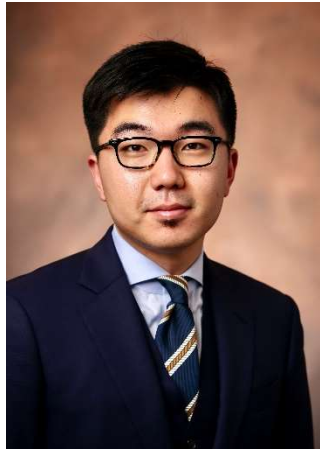


“WANDERING IN HUMAN-NATURAL SYSTEMS: SEEKING PATHWAYS TO A SUSTAINABLE FUTURE UNDER ANTHROPOGENIC CHALLENGES & CLIMATE CHANGE”

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ABSTRACT

In the past years, the world suffered from all kinds of extreme climate events, like hurricanes, droughts, heatwaves, and so forth, which severely affect the wellbeing of the people. Still, many people ignore the contribution of anthropogenic activities to climate change and neglect environmental issues. Thus, there is a strong need to find and illustrate suitable pathways to a sustainable future and effectively communicate science to policymakers and the general public. In this seminar, several human-natural system analyses will be presented in regions vulnerable to climate change like Cape Town, South Africa, and Beijing, China. We seek effective policies to overcome the negative impact of climate change and anthropogenic challenges. The studies leverage different analysis tools such as agent-based models and integrated assessment models to address the problems from either a top-down or a bottom-up perspective.

BIOGRAPHY

Ke Jack Ding is a Postdoctoral Research Scientist in the Department of Geological and Atmospheric Sciences at Iowa State University. He is also a faculty advisor in the Drinking Water Justice Lab at Vanderbilt University. He got his Ph.D. in Environmental Engineering from Vanderbilt University in 2020. His research interests include optimization of Food-Energy-Water resources management, impact assessment of climate policies, quantifying the impact of drinking water quality violations in the US, and impact of extreme weather events on urban environment.

ZOOM INFORMATION: <https://vanderbilt.zoom.us/j/92807953806>

Meeting ID: 928 0795 3806