



## Decolonizing Decoloniality: Considering the (Mis)use of Decolonial Frameworks in TPC Scholarship

Cana Uluak Itchuaqiyaa & Breeanne Matheson

As the field of technical and professional communication (TPC) has moved toward more inclusive perspectives, the use of decolonial frameworks has increased rapidly. However, TPC scholarship designed using decolonial frameworks lacks a clear, centralized definition and may overgeneralize and/or marginalize Indigenous concerns. Using a corpus analysis of TPC texts, this paper assesses the ways that the field uses “decolonial” and proposes a centralized definition of “decolonial” that focuses on rematriation of Indigenous land and knowledges. Further, it offers a heuristic that aids scholars in communication design appropriate for decolonial research and teaching strategies.

## Deep Mapping for Environmental Communication Design

Shannon Butts & Madison Jones

This article shares lessons from designing [EcoTour](#), a multimedia environmental advocacy project in a state park, and it describes theoretical, practical, and pedagogical connections between locative media and community-engaged design. Using deep mapping, and blending augmented reality with digital maps, EcoTour helps people understand big problems like climate change within the context of their local community. The article demonstrates the rhetorical potential of community-engaged design strategies to affect users, prompt action, and create more democratic discourse in environmental communication.

## Hybrid Collectivity: Hacking Environmental Risk Visualization for the Anthropocene

Lynda Olman & Danielle DeVasto

This work proposes a hack of existing models of environmental risk communication to better address Anthropocene risks. The discussion focuses on environmental risk visualization (ERV). It assembles criteria for designing and evaluating ERVs based on their hybrid collectivity—meaning their ability to collect agents around themselves over time and across traditional Modern divides between human/nonhuman, expert/nonexpert, and nature/culture. The criteria were tested on two ERVs from the 2011 Fukushima disaster.

## Political Technical Communication and Ideographic Communication Design in a Pre-digital Congressional Campaign

Ryan Cheek

This article examines the 1994 Coray for Congress campaign as a case study to argue in support of a formal disciplinary commitment to political technical communication (PxTC). It closely analyzes the ideographic communication design of pre-digital PxTC artifacts from the campaign archive. The implications of four dominant ideographs are analyzed in this case study: <jobs>, <communities>, <families>, and <●●●>. Key takeaways for PxTC practitioners, educators, and scholars are discussed.

## Along the Cow Path: Technical Communication Within a Jewish Cemetery

Alexander Slotkin

Recent calls for the inclusion of cultural approaches to technical communication have asked scholars to consider the influence cultural knowledge has on communication design. This article takes up these calls by reading technical documentation through new materialist and Indigenous ways of knowing. Using a prominent Jewish cemetery Florida as a case study, this article treats technical artifacts and subjects as co-constitutive, arguing for the cultural and material agency of technical documentation design in mediating and shaping user experience.

### Authors Spotlight

Cana Uluak Itchuaqiyaa



Cana Uluak Itchuaqiyaa is a tribal member of the Noorvik Native Community and an Assistant Professor at Virginia Tech. Her research addresses how mainstream academic practice often perpetuates the marginalization of underrepresented scholars and communities and consequentially interferes with diversity and inclusion efforts. She is the winner of multiple national awards, including CPTSC Bedford/St. Martin’s Diversity Scholarship, the CCCC Scholars for the Dream Award, and the ATTW Graduate Researcher Award.

Breeanne Matheson



Breeanne Matheson is an Assistant Professor at Utah Valley University. Her research seeks to understand technical communication as it is practiced by marginalized and underrepresented populations. She also has pedagogical interests in technical communication and rhetoric through community-centered projects and community action.

## Implementing a transactional design model to ensure the mindful development of public-facing science communication projects

Claire Lauer

The article introduces the concept of transactional design to demonstrate how techcomm and UX designers & researchers can play an essential role in helping scientists cultivate meaningful relationships with members of the public and make scientific content more accessible and actionable.

## Prototyping and Public Art: Design and Field Studies in Locative Media

Brett Oppegaard

This experience report shares lessons learned from a multi-staged prototyping process, over a five-year period, that involved the creation and iterative development of a mobile platform and dozens of prototype examples of interactive locative-media artifacts, including locative journalism. Thematically linked to a public art collection, the mobile app was designed as a research instrument aimed at an external audience of passersby, actively using smartphones. This paper documents and outlines key decisions made about the platform and content in response to observed experiences. It also identifies emergent areas of research potential intertwined in the undertaking of such a prototyping process.

## Using Bayesian Induction Methods in Risk Assessment and Communication

J.D. Appelen

Bayes’s theorem allows us to use subjective thinking to find numerical values to formulate assessments of risk. It is more than a mathematical formula; it can be thought of as an iterative process that challenges us to imagine the potential for “unknown, unknowns.” The heuristics involved in this process can be enhanced if they take into consideration some of the established risk assessment and communication models used today in technical communication that are concerned with the social construction of meaning and the kairos involved in rhetorical situations. Understanding the connection between Bayesian analysis and risk communication will allow us to better convey the potential for risk that is based on probabilistic assumptions.