Presentation Title: Digital and Mental Mapping: William Commanda and Circle of All Nations (CAN) in Cybernetics, Social Media, Photoatlases and Cybercartography

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Can the voice of an Indigenous man who was born on 11/11/13, the eve of the First World War, affirming Ginawaydaganuc interrelatedness with an evolving Mother Earth, support geo (global earth observation)-research and analysis in the networked age of information that is emmeshed in both global connection and covid isolation, and that appears poised on the doorstep of World War Three? In light of this question, my presentation examined the Circle of All Nations medicine wheel integration of the intangible dimension of spirit in innovative digital conceptualizations: Cybernetic cognitive motional mapping, inclusive of guiding/steering cyber-navigation, ancient mnemonic technology re-presented via archival data, and iconic affective canoe-art cartography; and ephemeral performance mapping and global digital village animation (following Thumbadoo, R. V. T. research); *Photoatlasing* via both the analysis of communications tools and the creation of graphic, seimiotic photoatlases as a new bridge-building knowledge generating model (Wolodtschenko, A. research); and Cybercartography (a complex, holistic, user-centered process which applies location-based technologies to the analysis of topics of interest to society; and presents this in innovative ways inclusive of qualitative and qualitative information displayed in innovative, interactive, multimodal, and multisensory atlas formats (following Taylor, D. R. F. research).

2022 marks the conclusion of 10 years of my doctoral and post-doctoral research into the work and legacy of the late North American Indigenous leader, William Commanda. Born in 1913 of Algonquin ancestry in the heart of the Ottawa River Watershed, he called himself *Mamiwinini*, a word he translated as we travel every day, an identity emergent from the vastness of his language, encompassing the spatial and temporal dimensions of cartography, consistent with the cosmic laws of nature. He travelled extensively and repeatedly across North and Central America, and also in Europe, Africa and the far East. Yet this presentation does not profile this physical land mapping of Indigenous presence; neither does it track the land-based reach of his global eco peace community, *Circle of All Nations*. Rather, it begins an exploration of cognitive cartography, mind mapping and discursive elements that contribute to the ongoing presence of his knowledge and wisdom in a biodiverse, microcosmic global digital village, a decade after his death at the age of 98.

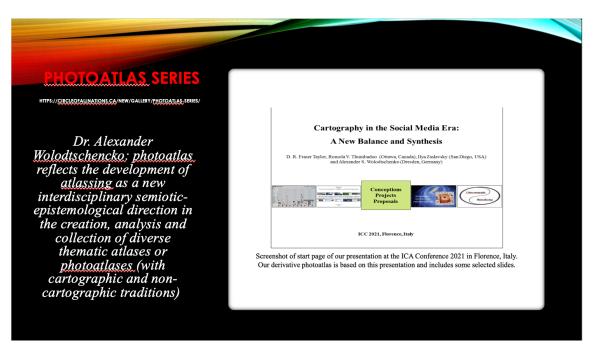


Reframing *Cybernetics* via the lens of its etymological rootedness in navigation, steering and guiding, and reinforcing the examination via the motif of canoe as iconographic semiotic motional signifier, the presentation considers the re-iterative in multiple epistemological applications, from the 1976 Smithsonian video recording interview, to the 1981 canoe building at Roskilde Museum in Denmark for Queen Margarethe, and the 2007 *Good Enough for Two* canoe building documentary, now scheduled to be featured in the exhibition entitled "Material Legacies" at Kunstgewerbemuseum Berlin: Design Lab #13 Material Legacies from 04.11.2022 to 26.02.2023. Here, movement, land and water-based knowledge generation, art and creativity and the journey of life are the threads examined to extrapolate discursive elements.

The Circle of All Nations work is animated in interaction and relationship, ephemeral performance mapping and global digital village bridge building animation; since the onslaught of the Corona Virus Pandemic, online work has accelerated through the use of the emerging live video technology: 15 publicly accessible online events with presenters from 12 countries were hosted in 2020/21; videos reached over 12,000 people; and students developed technological skills and interests to support online communications of the work as part of their academic studies, including the creation of the meta verse landing page leading to social media output, 4 websites and the cybercartographic atlas.



The presentation also introduced the *Circle of All* Nations *Photoatlas* Series: *Photoatlasing* involves both the analysis of communications tools and the creation of graphic, seimiotic photoatlases as an innovative sensory bridge-building knowledge generating model; Dr. A. Wolodtschenko describes atlassing as a new interdisciplinary semiotic epistemological direction in the creation, analysis and collection of diverse thematic atlases or photoatlases.



Cybercartography, a complex, holistic, user-centered process which applies location-based technologies to the analysis of topics of interest to society, and presents this in innovative ways

inclusive of qualitative and qualitative information displayed in innovative, interactive, multimodal, and multisensory atlas formats (following the research of Dr. D. R. F. Taylor), lends itself to the animation of William Commanda's ancient oral Indigenous storytelling mnemonic wampum heritage in contemporary digital technology, and bridges incommensurabilities of diverse knowledge systems, in text, map, image and video applications.



Consistent with the conceptual *Circle of All Nations* medicine wheel, the analysis moves from vision/plan (*Cybernetic* steering) to animation (*CAN Global Digital Village*) to reflection (semiotic *Photoatlas*) to articulation (*Cybercartography* atlas storytelling) to position William Commanda's *Circle of All Nations* legacy in the domain of social media cartography.

https://circleofallnations.ca

https://gcrc.carleton.ca

https://atlas-semiotics.jimdofree.com/bild-atlantothek/