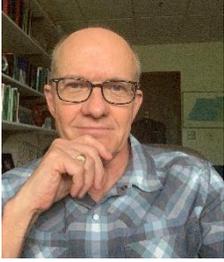




**Speaker Information**

Spatial Orientation and Spatial Reference Systems	
Prof. Dr. Timothy P. McNamara	
Cognition and Cognitive Neuroscience, Vanderbilt University, Professor of Psychology	
<p>Human spatial navigation is a complex cognitive activity that depends on perception, action, memory, reasoning, and decision-making. To navigate effectively, humans must maintain their orientation in the environment during movement. The perceptual and cognitive processes that support spatial orientation make use of many spatial cues, including landmarks, environmental geometry, remembered spatial relations, and body-based cues to self-motion (e.g., proprioception). I will review our research on spatial orientation in virtual environments, with a particular focus on the spatial reference systems used in perception and memory to organize the spaces of navigation.</p>	

