

1135-F1-3066 **Cindy Marie Blois*** (cblois@usc.edu), 3620 S. Vermont Ave, KAP 104, Los Angeles, CA
90089. *Developing Mathematical Metaphors Through Open-Ended Art Projects*. Preliminary report.

When you think about a given theorem, such as the Bolzano-Weierstrass Theorem, what images or metaphors does your brain evoke? According to cognitive science (Lakoff and Nuñez, 2000), our understanding and practice of mathematics is underpinned by our conceptual metaphors for abstract mathematical ideas. In this talk, we'll discuss the use of open-ended art projects as a means for allowing students to develop and share their own conceptual metaphors in the classroom. Specific examples from undergraduate math courses will be presented. (Received September 26, 2017)