

Online Seminar Series on Programming in Mathematics Education

Friday, August 14, 2020, 11:00 am - 12:15 pm EDT

Ricardo Scucuglia

São Paulo State University, Brazil

Computational Thinking and Humans-with-Media: Blocks, Fractals, and Music



In this talk, I will share three episodes of researches on computational thinking in mathematics education. All the studies were developed regarding the notions of humans-with-media and aesthetic mathematical experience as part of the theoretical framework. Teaching experiments were conducted as the main qualitative methodological approach. The researches involve pre-service teachers as participants and the use of distinct digital technologies (Repeating Patterns, GeoGebra, and Logic Pro X). In general, the episodes emphasize the variety of aspects, affordances, and ways of thinking-computationally-with-media involving the arts in mathematical activity.

Ricardo Scucuglia is an Assistant Professor at São Paulo State University interested in mathematics education, performance arts, and digital media. His research focuses on the nature of aesthetic mathematical experiences using digital technologies, including communicating mathematical ideas through computer-based performance arts.

FREE registration - [visit the MKN website](#)

Next Seminar: Friday August 28 2020, 11:00 am EDT

Paul Drijvers (Utrecht University, Netherlands)

Computational Thinking in the Mathematics Classroom

For all seminars in this series, please [visit the MKN website](#)