



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

INSPEM WEEKLY SEMINAR

12/2018

Date & Time

30th March 2018, Friday @ 3.15 pm

Venue

Al-Farabi Seminar Room, Second Floor,
INSPEM

Presenter

Dr. Dalia Aralas

Associate Researcher

Laboratory of Ethnomathematics and Didactics



Topic

Spaces of Mathematical Imagination

Abstract

This paper discusses questions about the ways mathematical progress occur in formulating and developing solutions to problematic situations. Prevailing views emphasize the procedural, algorithmic and logical nature of our mathematical engagement with the world. However there is evidence that mathematicians have often taken recourse to ways of grappling that go beyond the procedural, algorithmic and logical, in order to resolve difficulties. The paper raises questions about current assumptions regarding the universal nature of the space within which mathematical work is undertaken. The paper concludes with the need to reconsider prevailing assumptions and consider a proposal for different spaces of mathematizing within an analytical framework of mathematical imagination