

INTERNATIONAL SIMILARITIES AND DIFFERENCES IN THE EXPERIENCES AND PREPARATION OF POST-GRADUATE MATHEMATICS STUDENTS AS TERTIARY INSTRUCTORS

Jessica M. Deshler

West Virginia University

Jessica Ellis

Colorado State University

Short description of the workshop: aims and underlying ideas

In this workshop we seek to bring together researchers from across the globe to discuss the teaching preparation of post-graduate mathematics students tasked with teaching tertiary mathematics. In the United States, post-graduate mathematics students who are assigned teaching positions are referred to as Graduate Teaching Assistants (GTAs) and examination of their teaching-related professional development is on the rise. Current national efforts involve understanding the different ways GTAs are prepared for their mathematics teaching across the country. However, we know very little about the similarities and differences in the ways post-graduate mathematics students are involved in tertiary mathematics teaching and prepared for this teaching across the globe. A main goal of the workshop is to initiate a conversation resulting in an international overview of post-graduate mathematics student teaching preparation. We have recruited scholars who work in this area to bring to the workshop their expertise from institutional, regional or national perspectives to discuss similarities and differences with respect to two specific issues: (1) the ways that post-graduate mathematics students are involved in tertiary level mathematics teaching and (2) the ways they are prepared for this involvement in tertiary teaching of mathematics.

Planned structure:

The structure of this workshop is designed to facilitate a whole group discussion among scholars from around the globe on the topics as well as to make connections more regionally through the small group discussions with the ultimate goal of building networks among scholars in similar fields but working in different contexts.

Planned timeline	Topic	Material / Working format / presenter
10 minutes	Introductions by Workshop Organizers; Review of topic and goals for workshop	Jessica Deshler & Jess Ellis (with ppt)

25 minutes	Participant introduction	All workshop participants (Participants are confirmed from the following countries: New Zealand, Ireland, Germany, The Netherlands, etc.)
20 minutes	Geographic Similarities/Differences - Small Group Discussions	Participants divided by geographic region for discussion of their programs & regional issues. Groups will be by country/region depending on number of participants from each area.
15 minutes	Geographic Similarities/Differences - Writing Time	Same groups - preparing written document overview
15 minutes	Whole group discussion of issues - plans for continued writing & collation of small group	Jessica Deshler/Jess Ellis