

## Online ISU Algebra Seminar

**Date and Time:** February 4, 2021 from noon to 12:50 pm.

**Speaker:** Ana Ros Camacho, Ph. D.

**Title:** Algebra objects in group-theoretical fusion categories.

**Abstract:** In a categorical sense, Morita equivalence is a useful notion (stemming from ring theory) that allows us to classify collections of objects. In this talk, we generalize results from Ostrik and Natale describing Morita equivalence classes of certain algebra objects in pointed fusion categories to the case of group-theoretical fusion categories. We will assume little knowledge on categories, and we will also see some nice applications of these results to categories of representations of vertex operator algebras. This is joint work with the WINART2 team Y. Morales, M. Mueller, J. Plavnik, A. Tabiri and C. Walton.

### About Speaker:

Dr. Ros Camacho is an assistant professor at the [School of Mathematics of Cardiff University](#) (Cardiff, Wales). Previously, she held postdoctoral positions at the [Mathematical Institute of Utrecht University](#) (as [NWO Veni Fellow](#), [Marie Curie Individual Fellow](#) and Junior Lecturer), at the [École polytechnique-Institut de Mathématiques de Jussieu-Paris Rive Gauche](#), in Paris (France) and at the [Max Planck Institute for Mathematics](#) in Bonn (Germany).

Dr. Ros Camacho's research interests are in algebra and mathematical physics. Some keywords are: conformal field theory, vertex operator algebras, (modular) tensor categories, matrix factorizations.

### Zoom Meeting Information

Topic: Algebra Seminar-February 4th

Time: Feb 4, 2021 12:00 PM Central Time (US and Canada)

Join Zoom Meeting

<https://illinoisstate.zoom.us/j/93965396180?pwd=a0o3bW9tdUpVOXITa2JITnBoYXl5dz09>

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