

A Workshop for INDRUM early career researchers: Starting to write journal articles

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In 2016, as the first INDRUM conference – and our duties as its chairs – were coming to a close, we invited submissions to a Special Issue for the *International Journal for Research in Undergraduate Mathematics* (IJRUME). With support from its then editors, and from reviewers who were members of the INDRUM2016 Scientific Committee and/or the journal's Editorial Board, our invitation for papers resulted in twenty-three submissions, ten of which made it into *Select Papers from the First International Network for Didactic Research in University Mathematics (INDRUM) conference* ([Vol. 4, Issue 1](#)). We were delighted to welcome papers from across the board in terms of author experience and seniority and we worked hard to provide support and constructive feedback to early career researchers taking their first steps towards publishing in an international, peer-reviewed journal. In this workshop, we will set out from our recollections of work towards the *Special Issue* in order to trigger discussion on what constitutes the challenges – and ways to overcome these – of preparing a manuscript for submission to a mathematics education research journal.

Participants are kindly asked to prepare for this workshop as follows:

- Browse through the *Special Issue* papers at [Vol. 4, Issue 1](#) or at least their summaries in the [editorial](#).
- As we will each (attempt to!) deconstruct the process through which one of the SI papers came to be, **read** more closely the following **two papers**:
 - *SI Paper 1* [Klein's Plan B in the early teaching of Analysis: two theoretical cases of exploring mathematical links](#) is based on a fusion of ideas developed in research on the transition from Calculus to more rigorous courses in Analysis, and more generally on the transition problems found in modularised university curricula. Two related cases of this problem are presented, along with design proposals for larger coherence, based on in-depth analysis of mathematical contents in terms of praxeologies.
 - *SI Paper 2* [Transition from School to University Mathematics: Manifestations of Unresolved Commognitive Conflict in First Year Students' Examination Scripts](#) is the first journal paper emerging from the doctoral research of Athina Thoma. Our discussion of this paper will address how its particular focus was carved out of a naturally broader doctoral study that was ongoing at the time and how the authors aimed to mirror in it the larger study's claims of originality, rigour and significance.
- **Prepare** a brief, **maximum one slide**, **Outline of a journal paper idea** you are currently working on (or planning to work on!), including brief statements of
 - the paper's main point; and,
 - how you aim to establish the paper's originality, rigour (theoretical and methodological) and significance.

This preparation is entirely optional and we will aim to allocate time to as many *Journal Paper Outlines* as possible.

The workshop will be structured as follows:

10m Welcome, introductions, *SI* outline, session plan

10m *SI Paper 1*: Genesis outline

15m Q&A, Reflections, Bridging to *SI Paper 2*

10m *SI Paper 2*: Genesis outline

15m Q&A, Reflections

35m Discussion of participants' *Journal Paper Outlines*

Please **send your *Journal Paper Outline* to**
Elena (e.nardi@uea.ac.uk) and Carl (winslow@ind.ku.dk)
by end of Wednesday 25 March.