

Colin Jones, University of Tasmania

Beyond pedagogy content knowledge: Retrofitting heutagogy to mathematics

Day 1 – Keynote Speaker I (10.25-11.25)

Mathematics and science education more generally have been the leaders in the development of pedagogical content knowledge, or the identification and application of domain specific knowledgeable. In this talk I intend to provocatively challenge everyone to reflect upon what it is they do as an educator. Further, to contemplate upon what is it our students do as learners. Finally, to reflect upon what we shouldn't be doing as educators, and therefore, what our learners shouldn't be doing as learners. The aim is to see if we can collectively redefine the respective roles we as educators vis-a-vis our underlying expectations of the learners we engage with. Such a realignment of roles would lead us towards the development of academagogy, or scholarly leading. Thus, it will be argued that we must do more than become content experts, we must also embrace an equal consideration for context and change. We must account for the context of our students' learning and the actual nature of cognitive change we are trying to assist.

Colin Jones has developed the current entrepreneurship program at the University of Tasmania. He has been recognised nationally and internationally for his research and teaching and learning achievements. He has published more than 80 peer-reviewed journal and conference papers and published two research monographs 'Teaching Entrepreneurship to Undergraduates' and 'Teaching Entrepreneurship to Postgraduates'. Colin has contributed to several United Nations initiatives related to entrepreneurship education as an expert in his field. He is a current member of the global think tank at the World Entrepreneurship Forum and regularly acts as a consultant to government and private organisations seeking to creatively solve problems and exploit emergent opportunities. One of his current research interest relates to the relationship between pedagogy, andragogy and heutagogy, the focus of this talk.

Colin's twitter handle says that he is an entrepreneurship educator and reformed failure who is practising the art of perpetual failure so that he might one day succeed. Colin will share with you his lifelong failure at mathematics, quantifying his foundations to demonstrate his qualifications to speak on this topic that he remains utterly confused by.