

4th BIENNIAL THRESHOLD CONCEPTS CONFERENCE & NATIONAL ACADEMY'S 6th ANNUAL CONFERENCE

THURSDAY 28th JUNE 2012

| | | | | | |
|---------------------------|--|--------------------------|---|--|--|
| 08h 00 - 09h 30 | Registration/ Tea and coffee | | | | |
| 09h 30 - 09h 40 | Opening | | | | |
| 09h 40 - 10h 30 | Keynote 1: Ray Land | | | | |
| 10h 30 - 11h 00 | Keynote 2: Bettie Higgs | | | | |
| 11h 00 - 11h 30 | Tea and coffee/ Poster viewing | | | | |
| PARALLEL SESSION A | Engaging students with Threshold Concepts | Pecha Kucha | Interdisciplinary Threshold Concepts | Threshold Concepts in Professional Development | New Developments in Threshold Concepts |
| 11h 30 - 13h 00 | <p>Foley, Brian <i>Engineering Problem Solving: uncovering a threshold experience and triggering a meta-learning response</i></p> <p>Holland, Donal <i>The Role of Design Projects in Assisting Engineering Students from Liminality to Understanding</i></p> <p>Breen, Sinead <i>Designing tasks to aid understanding of functions</i></p> <p>Taylor, Charlotte <i>Using a mixed methods approach to explore student understanding of hypotheses in biology</i></p> | 7 x 7min PK presentation | <p>Boggs, Katherine <i>Spatial Cognition, a mutli-disciplinary Threshold Concept</i></p> <p>Ryan, Anne Marie <i>Seeing deeply in space and through time: interdisciplinarity meets threshold concepts in earth and environmental science</i></p> <p>Peter, Mira <i>Teaching and grasping threshold concepts: Four disciplines and one paradigm</i></p> <p>Thompson, Rachel <i>Criticality as a threshold concept, defined and limited by disciplinary power</i></p> | <p>Flanagan, Mick <i>A Comparative Academic/Industrial Professional Development Study of Threshold Concepts in Project Management</i></p> <p>Maguire, Sarah <i>Using Threshold Concepts as a vehicle for academic development</i></p> <p>Barnatt, Joan <i>Addressing Diversity as Asset: Using Social Justice Vignettes for Transformational Change in Teacher Preparation</i></p> <p>Ryan, Tony <i>Medical Student Reflections of Newborn Medicine: Looking Back for Threshold Concepts</i></p> | <p>Quinlan, Kathleen <i>A Developing Methodology to locate curricula thresholds in first year engineering</i></p> <p>Ryan, Susan <i>Using Threshold Concepts to Raise the Bar on Healthcare Practice</i></p> <p>Wuetherick, Brad <i>Threshold Concepts and Decoding the Humanities: A Case Study of a Threshold Concept in Art History</i></p> <p>Zimbardi, Kirsten <i>Student understanding of the critical features of a hypothesis: variation across epistemic and heuristic dimensions</i></p> |
| 13h 00 - 14h 00 | Lunch and poster viewing | | | | |
| PARALLEL SESSION B | Engaging students with Threshold Concepts | Pecha Kucha | Interdisciplinary Threshold Concepts | Threshold Concepts in Professional Development | New Developments in Threshold Concepts |
| 14h 00 - 15h 45 | <p>Harlow, Ann <i>Students' perceptions of travel through the liminal space: Lessons for teaching</i></p> <p>Carstensen Anna-Karin <i>Make links - Overcoming the Threshold and Entering the Portal of Understanding</i></p> <p>Esslemont, Cameron <i>"Pathways of Understanding" using dialogical concepts mapping of</i></p> | 7 x 7min PK presentation | <p>Linkon, Sherry <i>Critical Reading as an Interdisciplinary Threshold Concept</i></p> <p>Hall, Brendan <i>"How do you know?" The threshold concept, multi-disciplinary approaches and the Age of Uncertainty</i></p> <p>Brunetti, Korey <i>Interdisciplinarity and information literacy instruction: A threshold concepts approach</i></p> | <p>Timmermans, Julie <i>Identifying Threshold Concepts in Educational Development</i></p> <p>Gilrane, Coleen <i>Shifting Identity in Teacher Development</i></p> <p>Cooper, Trudi <i>Threshold Concepts as a heuristic device in an ill-structured discipline</i></p> | <p>Akerlind, Gerlese <i>A new model for teaching and learning of Threshold Concepts</i></p> <p>Devanas, Monica <i>The "Science Education for New Civic Engagements and Responsibilities", a US National Initiative Linking Sciences, Public Issues and Threshold Concepts</i></p> <p>Guerin, Cally <i>Is Voice a Threshold Concept in</i></p> |

| | | | | | |
|------------------|--|--------------------------|--|---|---|
| | <i>threshold concepts for assurance of learning</i> Davies, Jason <i>Locked Doors: Threshold Concepts as Guardians</i> | | LeBard, Rebecca <i>Academic numeracy: challenging thinking dispositions to enable students to enter and cross the liminal space</i> | Thomas, Lynda <i>A Broader Threshold: including skills as well as concepts in computing education</i> | <i>Doctoral Education?</i> Davies, Peter <i>Threshold Concepts: A distinctive experience of integration and transformation in conceptual change</i> |
| 15h 45 - 16h 15 | Tea and coffee/ Poster viewing | | | | |
| WORKSHOPS | Engaging students with Threshold Concepts | Pecha Kucha | Engaging students with Threshold Concepts | Threshold Concepts in Professional Development | New Developments in Threshold Concepts |
| 16h 15 - 17h 15 | Blackshields, Daniel <i>Building Capacity for Transformative Learning: Embedding Integrative Learning into Threshold Concept Pedagogical Design</i> | 5 x 7min PK presentation | Pace, David <i>Mastering a Threshold Concept through Decoding the Disciplines</i> | Wisker, Gina <i>Vision and voice: Conceptual Threshold Crossing in Writing for Academic Publication programmes</i> | Getman Eraso, Jordi <i>Documenting Learning while Crossing the Threshold: Exploring e-Portfolios and Threshold Concepts in Multiple Contexts</i> ***** McCarthy, Marian → <i>Looking for Trouble: Encountering the Unknown at the National Gallery of Ireland</i> |
| 17h 20 | Close Day One | | | | |
| 19h 00 | Conference Dinner: East Wing, Dining Hall, Trinity College Dublin | | | | |

FRIDAY 29TH JUNE 2012

| | | | | | |
|---------------------------|--|--------------------------|--|---|---|
| 09h 00 - 09h 30 | Tea and coffee/ Poster viewing | | | | |
| 09h 30 - 10h 10 | Keynote 3: Glynis Cousin | | | | |
| PARALLEL SESSION C | Engaging students with Threshold Concepts 1 | Pecha Kucha | Interdisciplinary Threshold Concepts | Threshold Concepts in Professional Development | Engaging students with Threshold Concepts 2 |
| 10h 20 - 11h 30 | Grogan, Sam <i>'Playing' so hard we fall out of our heads: Threshold Concepts and Troublesome Knowledge in experiences of experiential knowledge acquisition in higher education actor training</i> Gilvary, Gerry <i>An overview of the application of Enquiry Based Learning and Threshold Concepts in Practice Based Arts</i> Fortune, Tracey <i>Understanding troublesome moments and transitional states along the journey from learner to</i> | 5 x 7min PK presentation | Koole, Marguerite <i>Ontological and epistemological threshold crossings of doctoral students in networked learning environments: My ontolo....what?</i> Wertzler, Lee <i>Self as a Learner as a Threshold Concept: The University Journey</i> Kabo, Jens <i>Don't fear the engineer: Social science students exploring a liminal space with engineering students</i> | Devitt, Ann <i>Threshold Concepts and Practices in Teacher Education: professional, educator and student perspectives</i> Atherton, James <i>Troublesome Thresholds and Limiting Liminality: issues in teaching in vocational education</i> Ó Donnchadha, Brian <i>Moving from personal practice to Communities of Reflective Practice: a model for professional development</i> | Allen, Belinda <i>Creativity as threshold – learning and teaching in a liminal space</i> Barradell, Sarah <i>Visible learning of threshold concepts - an example of an assessment task using concept mapping</i> Whalley, Brian <i>Integrating teaching using Troublesome Knowledge Items, "sticking points" and Just-in-Time Teaching</i> |

| | | | | | |
|---------------------------|--|--------------------------|---|---|---|
| | <i>graduate among occupational therapy students</i> | | | | |
| 11h 00 - 11h 30 | Tea and coffee/ Poster viewing | | | | |
| PARALLEL SESSION D | Engaging students with Threshold Concepts 1 | Pecha Kucha | Interdisciplinary Threshold Concepts | Threshold Concepts in Professional Development | Engaging students with Threshold Concepts 2 |
| 11h 30 - 12h 50 | <p>Ciccione, Anthony <i>Accepting Ambiguity, Enjoying Complexity: Threshold Concepts for the Humanities</i></p> <p>Forde, Catherine <i>Teaching the Threshold Concept of Community Discourse to Social Work Students on the Master of Social Work (MSW) Programme: A Research-led Approach</i></p> <p>Tar, Usman <i>Dealing with threshold concepts in teaching peace and conflict studies modules: a case study of University of Kurdistan-Hawler, Iraq</i></p> | 7 x 7min PK presentation | <p>MacKay, Bruce <i>Threshold Concepts in Liberal Education</i></p> <p>Cowart, Monica <i>Interdisciplinary Threshold Concepts: An ontological and epistemological analysis</i></p> <p>Roberts, Jane <i>Threshold concepts in environmental studies: the challenge of inter-disciplinarity for teaching strategies</i></p> | <p>Clouder, Lynn <i>The Trouble with Responsibility: Exploring the interaction of tacit knowledge and ritualized practices in giving students responsibility on placement</i></p> <p>Mills, Ruth <i>There's a right answer but only some students can get it: threshold concepts in the professional development of physics demonstrators</i></p> <p>Kinchin, Ian <i>Threshold concepts and the expert student: A knowledge structures perspective on teaching, learning and academic development</i></p> | <p>Wood, Leigh <i>Identifying the threshold functions of teaching physics problem-solving in introductory physics</i></p> <p>Hegarty, Josephine <i>Assessment of Learning in the Clinical Practice Environment: using an on-line tool to help students understand the abstract nature of Steinaker and Bell's (1979) experiential taxonomy</i></p> <p>Blackmore, Margaret <i>Serious play: Threshold concepts, information engagement & game design</i></p> |
| 12h 50 - 14h 00 | Lunch and poster viewing | | | | |
| WORKSHOPS | Engaging students with Threshold Concepts | Pecha Kucha | Engaging students with Threshold Concepts | | Engaging students with Threshold Concepts |
| 14h 00 - 15h 00 | Barton, Graham <i>'Threshold concept literacy': helping learners develop writing skills and acquire threshold concept understanding through examining associated transformations in discourse</i> | 7 x 7min PK presentation | Easdown, David <i>Novel threshold concepts in the mathematical sciences</i> | | Foote, Wendy <i>Engaging students in learning critical reflection by using threshold theory in social work field education</i> |
| 15h 00 - 15h 30 | Tea and coffee/ Poster viewing | | | | |
| 15h 30 - 16h 10 | Keynote 4: Patrick Carmichael | | | | |
| 16h 10 - 16h 30 | Conference summation | | | | |
| 16h 30 | Close Day Two | | | | |

Pecha Kucha Presentations
Thursday June 28th

[Engaging Students with Threshold Concepts]
11h 30 - 13h 00

1: Fellenz, Martin

Transforming learning and learners: The promise of process oriented threshold concepts

2: Shopkow, Leah

Still Lurking in the Background: Bottlenecks, Threshold Concepts, and Epistemology

3: Horn, Jody

Embedding Threshold Concepts in a Student Learning Community

4: Jennings, Michael (to be confirmed)

Race, Power and Hegemony: Threshold Concepts and Troublesome Knowledge in the Age of Neo-Liberal Education

5: Orsini-Jones, Marina

Towards a role-reversal model of threshold concept pedagogy

6: Osmond, Jane

Threshold Concepts and research informed teaching

7: Cronin, James

Doing history: threshold concepts scaffolding the formation of the history tutor in higher education

[Engaging Students with Threshold Concepts]
14h 00 - 15h 45

1: Northcote, Maria

I hate maths and maths hate me! Analysing the development of threshold concepts and attitudes in preservice mathematics teacher education

2: Rodger, Sylvia

Experiences of Academic Staff in Using Threshold Concepts in Occupational Therapy Curricula to Engage Students

3: Wallace, Leah

Identifying the threshold functions of teaching physics problem-solving in introductory physics

4: van Vliet, Christine

Team and individual quizzes is an approach that allows students to encounter and comprehend threshold concepts in pathology

5: Webster, Elaine

Contingency in Practice: Applying a Threshold Concept in Law

6: Sendziuk, Paul

Helping Students to 'Think Historically' by Engaging with Threshold Concepts

7: Rourke, Arianne

Embedding threshold concepts into first year design history: teaching methodologies to assist in transforming students understanding

[Threshold Concepts in Doctoral Supervision]
16h 15 - 17h 15

1: Kiley, Margaret

Now I know why I have been knocking my head against a brick wall: doctoral candidates and stuck places

2: Coughlan, Paul

Doctoral Education at the 'Eye' of the Perfect Storm

3: Wuetherick, Brad

'Enabling' Graduate Attributes as an Interdisciplinary Threshold

4: Keefer, Jeffrey

The Experience of Interdisciplinarity in Doctoral Research: Threshold Journeys

5: Wright, Alan

"Is there a Doctor in the house?" Pedagogical Portals and the PhD

Pecha Kucha Presentations
Friday June 29th

[Interdisciplinary Threshold Concepts]
10h 20 - 11h 30

1: Kautz, Christian
Threshold Concepts in Introductory Engineering: Useful metaphor or empirically based construct?

2: Magdziarz, Sonia
The integrative nature of threshold concepts in financial accounting - an exploration of the interdisciplinarity of one threshold concept.

3: Rifkin, Will
What science academics are missing

4: Johansson, Charity
Using Language to Transform Judgmental Attitudes

5: Boyd, Diane
Growth Mindset: An Interdisciplinary Threshold Concept in Course Design

[New Developments in Threshold Concepts]
11h 30 - 12 h 50

1: Hersey, Corrine
Integrating Threshold Concepts pedagogy into a market-value education system to reduce the "plagiarism epidemic"

2: Adawi, Tom
Exploring threshold concepts and liminal spaces using phenomenography: Engineering students' conceptions of technology as an example

3: Scott, Jonathan
Towards a TCT-Inspired Electronics Concept Inventory

4: Delany, David
The Emperor's new concept: vague, postmodern, and unfalsifiable - is threshold concept theory a step too far?

5: Parker, Jan
'Scaffolding' v 'Digitally-enabled co-construction of troublesome knowledge'. The case of 'engaging with theory in literary close reading'.

6: Shinnars-Kennedy, Dermot
The Geometry of Threshold Concepts

7: Bedek, Michael
Embedding Threshold Concepts into Hierarchical Concept Structures

[Threshold Concepts in Prof. Development]
14h 00 - 16h 00

1: Pilkington, Ruth
Playing with models to conceptualise, support and assess professional learning

2: Kinchin, Ian
Threshold concepts and the spiral curriculum: complementary or conflicting ideas?

3: Noonan, Sarah
Threshold Crossings & Concepts in Teaching: An Exploration

4: Kirwan, Gloria
Up Close and Personal: Engaging Learners with Service-User Perspectives

5: Love, Jane
From Filling Buckets to Lighting Fires: Faculty at the Threshold

6: McKeon, Jacinta
Threshold Concepts in the Professional Development of Second Language Teaching: teaching grammar communicatively

7: Fuzzard, Rhonda
What concepts underpin skills training in community services in Vocational Education and Training
