



**mathematical  
TRANSGRESSIONS**

III INTERDISCIPLINARY SCIENTIFIC CONFERENCE  
MATHEMATICAL TRANSGRESSIONS  
Pedagogical University of Cracow  
18 - 23 June, 2017  
Cracow, Poland

## The Third Interdisciplinary Scientific Conference

### Mathematical Transgressions

19 – 23 June, 2017

#### Conference Program

##### Monday, 19 June 2017

9.15 - 9.30 Opening Ceremony (*Auditorium, main building, Podchorążych St., 2*)

9.30 - 11.00 **Gerald Goldin**, Rutgers University, United States of America

*Mathematical Engagement: The Conative Dimension*

11.00 - 11.30 Coffee break

11.30 - 13.00 **Peter Liljedahl**, Simon Fraser University, Canada

*On the Edges of Flow: Students' Autonomous Problem Solving Behaviour*

13.00 - 14.30 Lunch break (*all conference lunches are served at Wavelove, Podchorążych St., 3*)

14.30 - 16.00 **Jacobus G. Maree**, University of Pretoria, South Africa

*Revitalising learning facilitation in Mathematics to promote learners' achievement and understanding and help them find sustainable, decent work*

16.00 - 16.30 Coffee break

16.30 - 18.00 **Wee Tiong Seah**, University of Melbourne, Australia

*Learning from top-performing mathematics education systems: What they value, not what they do*

19.00 Conference Dinner (*at Pistacja, Karmelicka St., 7*)



**Tuesday, 20 June 2017**

9.30 – 11.00 Presentations: Session 1 (*Room 114*)

11.00 – 11.30 Coffee break (*Room 109*)

11.30 – 13.00 Presentations: Session 2 (*Room 114*)

13.00 – 14.30 Lunch break

14.30 – 16.00 Presentations: Session 3 (*Room 114*)

16.00 – 16.15 Moving break

16.15 – 18.15 Presentations: Session 4 (*Room 114*)

**Wednesday, 21 June 2017**

ISCMT Scientific sessions ( <i>Auditorium</i> )	Polish session for teachers ( <i>Aula</i> )
<p>9.30 – 11.00 Presentations: Session 5</p> <p>11.00 – 11.30 Coffee break</p> <p>11.30 – 13.00 Presentations: Session 6</p> <p>13.00 – 14.30 Lunch break</p> <p>14.30 – 15.30 Open discussion: <i>Creativity &amp; Aha moments</i></p> <p>15.45 – 16.45 Workshop: Kobus Maree, <i>Utilising career construction counseling to motivate and bolster achievement in Mathematics in a rapidly changing and unpredictable world</i></p>	<p>14.00 – 15.00 Tomasz Szwed, University of Opole, <i>Challenges that a math teacher encounters in the face of changes in Polish educational reality</i></p> <p>14.00 – 15.00 Marek Janasz, Pedagogical University of Cracow, <i>The use of Tropical Mathematics in teaching</i> (room 116)</p> <p>15.15 – 16.45 Maria Samborska, Beata Kotarba, The School of Education of the Polish-American Freedom Foundation and the University of Warsaw, <i>'Task in pieces' - a way to organize collaborative work on math lessons</i></p> <p>15.15 – 16.45 Marcin Braun, Nowa Era, <i>The devil is in the detail</i> (room 114)</p> <p>17.00 – 19.00 Peter Liljedahl, Simon Fraser University, Canada, <i>Building Thinking Classrooms</i></p>



**Thursday, 22 June 2017**

9.00 – 15.00 Excursions

16.00 – 17.00 Poster session (*in front of Aula*)

17.00 – 18.00 Presentations: Session 7

18.30 Farewell evening (*pizza / pasta evening*)

**Friday, 23 June 2017 (*Auditorium*)**

9.00 – 11.00 Presentations: Session 8

11.00 – 11.30 Coffee break

11.30 – 12.00 Closing Ceremony

12.30 – 14.00 Lunch