

PROGRAM FOR ICTM3, ISTANBUL TURKEY, June 30-July 5, 2006

Friday June 30

08:30	Welcome			
Taksim	Tosun Ignatios Deborah	Terzioglu Vakalis Hughes Hallett	Turkey United States United States	
09:00	Plenary			
Taksim	William Nitsa	McCallum Movshovitz Hadar	United States Israel	<i>What Can Mathematicians and Mathematics-Educators Communicate About?</i>
10:30	Coffee Break			
	First name	Last Name	Country	Title
<i>Verdi</i>				
11:00	Rosania Nogueira De	Lima	Brazil	<i>What Does Equation Mean?</i>
11:30	Daniela	Bittnerová	Czech Republic	<i>Problem Solving in Mathematics</i>
12:00	Gilbert	Greefrath	Germany	<i>Detailed Case Studies on Open Modelling Problems</i>
12:30	Yasar	Ersoy	Turkey	<i>Students' Perceptions of the Using Graphics Calculators in High School Mathematics</i>
<i>Mozart</i>				
11:00	Soner	Durmus	Turkey	<i>A Scale for Mathematics and Mathematics Educational Values of Pre-Service Elementary School Teachers</i>
11:30	Shajahan Beum	Haja	India	<i>What Do the Beliefs of Pre-Service Teachers About Mathematics Indicate?</i>
12:00	Chrisanthi	Skoumpourdi	Greece	<i>Teaching Aids for Set Concept Instruction in Kindergarten Teachers</i>
12:30				
<i>Wagner</i>				
11:00	Juan Pablo	Mejia Ramos	United Kingdom	<i>Argumentation in Mathematical Reasoning</i>
11:30	Mark	Burch	United Arab Emirates	<i>A Framework for Conjecturing as a Classroom Activity</i>
12:00	Jessica	Knapp	United States	<i>Developing the Notion of an Active Audience in Proof Writing</i>
12:30	Burna	Abramovitz	Israel	<i>Improving Students' Proving</i>
<i>Taksim A</i>				
11:00	Gizem	Karsali	United States	<i>What Does that Mean? Helping Upper Division Students Understand Concepts</i>
11:30	Jacqueline	Kleisa	Canada	<i>Conics, Quadrics and Change of Bases</i>
12:00	Samuel	Dagan	Israel	<i>Math Animated: An Innovative Web-Hosted Courseware</i>
12:30	N	Azizi	Iran	<i>Invariant Functions for Discrete Derivatives and Their Applications to Solve Non-Homogenous Linear and Non-Linear Difference Equations</i>
<i>Taksim B</i>				
11:00	Nada	Stehlikova	Czech Republic	<i>Using Videotapes in the Education of Future Mathematics Teachers</i>
11:30	Austin	Melton	United States	<i>Classroom-Relevant Advanced Mathematics for Middle School and High School Teachers</i>
12:00	Talma	Leviatan	Israel	<i>Reform in Pre-Calculus Courses</i>
12:30	Marzita	Puteh	Malaysia	<i>Enhancing Strategies of Mathematics Teaching Among Teacher Trainers at the Undergraduate Level</i>
<i>Anadolu</i>				
11:00	Nesrin	Ozsoy	Turkey	<i>Teaching of the Concept of Limits by Using Computer Aided</i>
11:30	Selda	Çet	Turkey	<i>Differential Item Functioning (DIF) Analysis of PISA 2003 Mathematics Items Across Gender and SES Groups</i>
12:00	Bernadette	Baker	United States	<i>Incorporating a Unified Representation of Function in College Algebra</i>
12:30	Rina	Durandt	South Africa	<i>Teaching Pre-calculus and Relevant Assessment Results</i>
<i>Verdi</i>				
14:30	Charalampos	Lemonidis	Greece	<i>Mathematical Knowledge Level of Primary Education Department Students</i>
15:00	Mine	Isiksal	Turkey	<i>Teaching Efficacy Beliefs of Pre-Service Teachers: the Case of Turkey and USA</i>
15:30	Homero	Flores	Uruguay	<i>Deductive Reasoning in the Uruguayan "Bachillerato Diversificado" with Dynamic Geometry</i>
16:00	Djordjica	Takaci	Yugoslavia	<i>The Examining Functions and Computer</i>
<i>Mozart</i>				
14:30	Cigdem	Is Guzel	Turkey	<i>Factors Affecting Mathematical Literacy in the 2003 Programme for International Student Assessment (PISA) in Turkey</i>
15:00	Ji	Gao	United States	<i>Simple Form, But Deep Idea</i>
15:30	Aykut Inan	Iseri	Turkey	<i>A Cross-Cultural Comparison of Factors Affecting Mathematical Literacy of Students in the 2003 Programme for International Student Assessment (PISA)</i>
16:00	Eugeny	Smirnov	Russia	<i>Mathematics Teacher Training in Russia</i>
<i>Wagner</i>				
14:30	Irene	Polycarpou	United States	<i>Sources of Students' Difficulties with Proofs by Induction: a Study</i>
15:00	Tracy Samantha	Craig	South Africa	<i>Writing and Problem Solving: Promoting Understanding Through Reflective Abstraction</i>
15:30	Joni	Barbosa	Brazil	<i>Students' Discussions in Mathematical Modelling</i>
16:00	Michael	Robinson	United Kingdom	<i>There is More to Maths Than Doing Sums</i>
<i>Taksim A</i>				
14:30	Deane	Arganbright	South Korea	<i>Mathematics via Spreadsheets: an Approach to a Lifelong Study of Mathematics</i>
15:00	Otto	Wurnig	Austria	<i>Introduction of the Ellipse in Form 11 with the Help of DERIVE and GeoGebra</i>
15:30	M. Gloria	Sanchez-Torrubia	Spain	<i>Java Tutorials: a Good Tool for Teaching and Learning Graph Algorithms</i>
16:00	Janja Jakoncic	Faganel	Slovenia	<i>Quality of Electronic Materials for Math Teaching</i>
<i>Taksim B</i>				
14:30	Betül	Zenginobuz	Turkey	<i>The Impact of Cooperative Learning Techniques on Student Academic Performance in a High School Geometry Class in Turkey</i>
15:00	Mariana	Saiz	Mexico	<i>Tasks Related to the Concept of Volume and Its Teaching Implemented in a Workshop for Primary Teachers</i>
15:30	Fulya	Kula	Turkey	<i>The Relationship Between Children's Performance in Solving Story Problems and Executing Arithmetic Operations</i>
16:00	Laeq	Aslam	Pakistan	<i>Counting Theory: a Cognitive Approach</i>
<i>Anadolu</i>				
14:30	Paul	Abraham	United States	<i>Student Attitude Towards a Mastery Requirement in Developmental Mathematics</i>
15:00	Ruth	Hubbard	Australia	<i>Have Students Attitudes to Lectures Changed Now That Material Is Available on the Internet?</i>
15:30	Uchenna Nchekwube	Agwagah	Nigeria	<i>Evaluation of Teaching in Undergraduate Level Elementary Mathematics Courses in Nigerian Universities</i>
16:00	Robert	London	United States	<i>Emphasizing the Process of Problem Solving: an Undergraduate Course</i>
16:30	Coffee Break			
17:00	Poster Session			
Kiz Kulesi				
20:00	Welcome Reception			
Taksim Ball Room				

Saturday July 1

Time	Plenary	About (Math) Education (in Turkey): Questions and Answers		
08:45	All	Nesin	Turkey	
10:00	Coffee Break			
	First name	Last Name	Country	Title
Verdi				
10:30	Cinzia	Bonotto	Italy	<i>Problem Posing Activities and Cultural Artifacts: a Teaching Experiment in Upper Elementary School</i>
10:00	Semihhan	Gokce	Turkey	<i>Factors Related to Mathematics Achievement</i>
11:30	William andres	Leon Carvajal	Colombia	<i>The Scale: a Tool for the Teaching of Inverse Proportionality</i>
12:00	Alena	Zhuravskaya	Belarus	<i>Functional Potential of Verbal Problems in Postsoviet Didactics of Primary Mathematics</i>
Mozart				
10:30	Rohani	Mohamad	Malaysia	<i>Where Is Your Calculator? Exploring Mathematics Using Graphing Calculator</i>
11:00	Zakeriya	Karadag	Canada	<i>Assessing of Pre-Service Teachers' Reflection During their Developing of CBLs</i>
11:30	Ilana	Lavy	Israel	<i>Computerized Project-Based-Learning Approach as Means for Supporting Professional Development of Mathematics pre-service teachers</i>
12:00	Angel Homero	Flores	Mexico	<i>Proving Skills in Mexican Bachillerato Teachers</i>
Wagner				
10:30	Diana	Mackie	United Kingdom	<i>Engaging Students through Technology</i>
11:00	Tolga	Kabaca	Turkey	<i>Constructing of the Limit Concept by Using a Computer Algebra System (CAS)</i>
11:30	S. Asil	Ozgun-Koca	United States	<i>Technology, Connections and Representations: An Introduction to Limit Concept via Geometry and History</i>
12:00	Ivan	Reilly	New Zealand	<i>Peer-Tutors and Collaborative Tutorials</i>
Taksim A				
10:30	Hamutal	David	Israel	<i>TRACING a POINT – Bridging Between Calculus and Geometry through a Dynamic Geometry Investigation</i>
11:00	Diane	Resek	United States	<i>The REVitalizing Algebra Project</i>
11:30	Hulya	Gur	Turkey	<i>Learning to Teach: the Place of Stage Theory and the Pedagogical Content Knowledge</i>
Taksim B				
10:30	Andreas	MoutsiosRentzos	United Kingdom	<i>The Undergraduate Mathematics Experience: a Thinking Styles Perspective.</i>
11:00	Maria	Trigueros	Mexico	<i>University Students' Evolution in the Understanding of Variable</i>
11:30	Susana	Murillo Lopez	France	<i>CORRECTION IN MATHEMATICS CLASSES IN FRANCE: Practices of ordinary teachers concerning the concept of inverse function within the framework of the transition from "Terminale" to IUT</i>
12:00	Mohammad	Iqbal	Pakistan	<i>Meaningful Learning of Graph Algorithms</i>
Anadolu				
10:30	Irene	Biza	Greece	<i>First Year University Students and their Intuitive Knowledge About Tangent Line</i>
11:00	Victor	Giraldi	Brazil	<i>Computational Descriptions and the Development of the Concept of Derivative</i>
11:30	Esra	Mukova Güzel	Turkey	<i>Constructing Limit Concept by Using 7E Learning Cycle Model</i>
12:00	Antonio R.	Quesada	United States	<i>A Report on How to Enhance Students' Understanding of the Formal Definition of Limits via a Graphical Approach</i>
Tepe				
10:30	José Luis	Galán	Spain	<i>A Basic Course of Multiple Integrals with a Computer Algebra System</i>
11:00	Ansie	Greeff	South Africa	<i>Technology - Can it Be Trusted?</i>
11:30	Ramesh	Narasimhan	United States	<i>PIVOT - A Partial Differential Equation Visualization Tool</i>
12:00	Ali	Yazici	Turkey	<i>A Symbolic Treatment of Finite Difference Formulae</i>
Verdi				
14:00	Elif	Tumuklu	Turkey	<i>Getting Clues About Pedagogical Content Knowledge of Mathematics Teachers Through Problems</i>
14:30	Jaroslav	Zhouf	Czech Republic	<i>Future Mathematics Teachers Discover Mathematics</i>
15:00	Hatice	Akkoc	Turkey	<i>The Role of Embodiment in Flexible Use of Mathematical Symbols</i>
15:30	Raymond	Tennant	United Arab Emirates	<i>Integrating Meaningful Mathematics Content with Culture and History</i>
Mozart				
14:00	Vera	Frith	South Africa	<i>The Evolution and Effectiveness of an Interactive Spreadsheet-Based Tutorial on the Representation of Functions in a Pre-Calculus Foundation Course</i>
14:30	Brenda Teal,	Peter Speier	United States	<i>Educo: an Effective Web-Based Integrated Instructional Delivery and Support System</i>
15:00	Raymond	Rozen	Australia	<i>Teaching Mathematics with CAS</i>
15:30	Ji	Gao	United States	<i>New Idea of Linear Algebra: About Characterization of Euclidean Space</i>
Wagner				
14:00	Mohammad H.	Omar	Saudi Arabia	<i>The Effects of Promotion Exams in Preparatory Year Program on Students Performance in First Calculus</i>
14:30	Murat	Kahveci	Turkey	<i>Turkish High-School Students' Attitudes toward Learning Mathematics</i>
15:00	M. Gloria	Sanchez-Torres	Spain	<i>Remedial Course in Mathematics for Computer Science Freshman: Experiences and Impact</i>
15:30	Barbara	Miller-Reilly	New Zealand	<i>Pre-Calculus Mathematics: Students' Affective Responses to Different Teaching Approaches</i>
Taksim A				
14:00	Dian	Calkins	United States	<i>Patterns of Life: Mathematics in the Liberal Arts</i>
14:30	Nafisah Kamariah Md	Kamaruddin	Malaysia	<i>The Effectiveness of Learning Mathematics Using Contextual Approach in Kutitoh</i>
15:00	Ian	Malabar	United Kingdom	<i>Using Visualisation to Develop Higher Order Mathematical Skills in Students</i>
15:30	Gail	FitzSimons	Australia	<i>An Activity Theory Perspective on Technology Mediated Mathematics Education for Undergraduates</i>
Taksim B				
14:00	Barbara	Edwards	United States	<i>College Physics Majors' Mathematical Reasoning</i>
14:30	Teresita	Noriega	Cuba	<i>Curriculum Evaluation Using Historical Cultural Approach and Action-Research Method</i>
15:00	Melissa	Rodd	United Kingdom	<i>Identity and Undergraduate Mathematics: a Discussion of Baron-Cohen'S Systemiser/Empathiser Dichotomy Applied to Developing Undergraduates' "Mathematical Minds" and to Associated Gender Issues</i>
15:30	Dvora	Peretz	Israel	<i>Conceptual Learning Channels in the Learning of Mathematics</i>
Anadolu				
14:00	Prabha	Betne	United States	<i>Importance of History of Mathematics in Math Learning</i>
14:30	Jeanine Ngalula	Mwambakana	South Africa	<i>On the Problem of Roots Bracketing and Choosing 'Guess Values for Roots of Transcendental Equations</i>
15:00	Victor	Martinez-Luaces	Uruguay	<i>Analytic Solving of Real PDE Problems Applied to Mass Transfer: Experiences in Project-Work with Chemical Engineering and Food Technology Students</i>
15:30	Jose Armando	Landa	Mexico	<i>Construction of Surfaces of Functions with Two Variables in Derive-6 Environment</i>
Tepe				
14:00	Barbara	Hess	United States	<i>Using Case Based Studies to Teach Mathematics in an On-Line Environment</i>
14:30	Ifan	Altas	Australia	<i>I Haven't Done Maths for 20 Years. How Can I Learn it Now?</i>
15:00	Qvetka	Rojko	Slovenia	<i>From Distance Learning to Distance Teaching of Mathematics Teachers</i>
15:30	Kevin	Golden	United Kingdom	<i>A Transition Course Prior to University Entry</i>
16:00	Coffee Break			
Verdi				
16:30	Malka	Sheffet	Israel	<i>Another Way to Help Pre-Service Secondary School Mathematics Teachers Cope with Percentage Problems</i>
17:00	Christina	Misailidou	United Kingdom	<i>Expanding the Mathematics Teachers' Pedagogical Content Knowledge: a Proposal for a More Effective Teacher Training</i>
17:30	Betul	Yayan	Turkey	<i>Conceptions of Decimals: Primary Teachers</i>
18:00	Cristina	Maranhão	Brazil	<i>Ordering Relations in High School</i>
Taksim A				
16:30	Guido	Osimo	Italy	<i>Blended Learning in Undergraduate Mathematics Courses: on the Determination of Optimal Choices</i>
17:00	Semall	Ulgen	United States	<i>The Online-Class Experience in Mathematics at the University of Mississippi</i>
17:30	Peter D.	MacMillan	Canada	<i>Evaluation of the Supplemental Instruction Program in a First-Year Calculus Course</i>
18:00	Fredrika	Raubenheimer	South Africa	<i>Technology - A Creative Innovation or Merely Part of the Everyday Learning Equation</i>
Taksim B				
16:30	Zaleha	Ismail	Malaysia	<i>Malaysian Experience: Teaching in a Second Language</i>
17:30	Jeanne	Narum	United States	<i>Exploring "What Works" in Undergraduate Mathematics in The United States"</i>
Tepe	Two One-hour Workshops			
16:30	Yasar	Ersoy	Turkey	<i>Professional Development Of Mathematics Teachers: Use Of Personal Learning Technology For Solving Problems (A)</i>
17:30	Yasar	Ersoy	Turkey	<i>Professional Development Of Mathematics Teachers: Use Of Personal Learning Technology For Solving Problems (B)</i>
Wagner	Two-hour Workshop			
16:30	Lotfi	Hermi	United States	<i>A Business Mathematics Workshop: The Arizona Model for Integrating Technology into Learning</i>

Sunday July 2

08:30 Panel Discussion				
Taksim	Debra	Woods	United States	<i>Distance Education: New Directions in Online Learning in Mathematics</i>
	Irfan	Altas	Australia	
	David	Crowe	United Kingdom	
	Cvetka	Rojko	Slovenia	
	Jerry	Uhl	United States	
10:00 Coffee Break				
	First name	Last Name	Country	Title
Verdi				
10:30	Muhammad Hassan	Khan	Pakistan	<i>Meaningful Learning by Traveling the Entire Learning Space</i>
11:00	Lynne	McArthur	Australia	<i>Teaching System Dynamics to First Year Students Using Computer Software</i>
11:30	Asuman	Oktac	Mexico	<i>Understanding of Vector Spaces - A Viewpoint From APDS theory</i>
12:00	Stephen	Blair	United States	<i>Using Proof to Reason Across Geometries - An Example Involving Menelaus' Theorem</i>
Mozart				
10:30	Michelle Rosier	Sisto	Monaco	<i>Using Peer and Self Assessment in Statistics Group Projects</i>
11:00	Michael	Kourkoulos	Greece	<i>Didactical Models Enhancing Students Understanding of the Concept of Variance in Statistics</i>
11:30	Sang-Gu	Lee	South Korea	<i>Matrix Java Tools and their Use in Linear Algebra Blended Learning</i>
12:00	Antonin	Slaby	Czech Republic	<i>Role of Mathematics in Visualization of Data Structures of Computer Graphics</i>
Wagner				
10:30	Sergiy	Klymchuk	New Zealand	<i>Counter-Examples in Calculus as a Pedagogical Strategy</i>
11:00	Alejandro Santiago	González-Martin	Spain	<i>Some Ways to Combat the Effects of Over-Generalisation at University Level. The Case of the Improper Integral</i>
11:30	Uldarico	Malaspina	Peru	<i>Intuition, Rigor, and the Solving of Optimization Problems</i>
12:00	Adam	Marlewski	Poland	<i>On Computational Schemes to the One-Dimensional Convection-Diffusion Equation</i>
Taksim A				
10:30	Sandra	Britton	Australia	<i>A Self-Assessment Test for Enrolling Students</i>
11:00	John	Firth	South Africa	<i>The Assessment of Prospective Students' Potential to Learn Undergraduate Mathematics.</i>
11:30	Jerome	Epstein	United States	<i>The Calculus Concept Inventory -- Preliminary Report</i>
12:00	Talma	Levitan	Israel	<i>Teaching Mathematics: a Questionnaire-Based Approach</i>
Taksim B				
10:30	Johann	Engelbrecht	South Africa	<i>Conceptual and Procedural Thinking of Undergraduate Students in Mathematics and Chemistry</i>
11:00	Sheryl	Hemkin	United States	<i>Chemical Kinetics and Mathematical Modelling</i>
11:30	Miyam	Berezina	Israel	<i>Difficulties in Constructing Multiple Choice Tests</i>
12:00	Gulden	Karakok	United States	<i>Making Connections</i>
Anadolu				
10:30	Zaleha	Ismail	Malaysia	<i>Enhancing Mathematical Understanding with the Aid of Cognitive Tools</i>
11:00	Mette	Andresen	Denmark	<i>Changes to a Modelling Approach with the Use of Computer</i>
11:30	Kuna Lila	Jacobs	Australia	<i>Candy-Coated Mathematics, a More Digestible Approach</i>
12:00	Robert	Decker	United States	<i>Differential Equation Investigations Using Mathlets</i>
Tepe				
10:30	Leonard Louis	Raj	United Arab Emirates	<i>Creating Randomized Mathematics Exercises Using Mail Merge in MSword with MS Excel.</i>
11:00	Joseph	Kyle	United Kingdom	<i>Computer Algebra and Computer Aided Assessment of Mathematics</i>
11:30	Pam	Norton	Australia	<i>Four Years of a Pilot Mathematics Program Using CAS</i>
12:00	S.Moghtada	Hashemiparast	Iran	<i>Optimizing Performance Assessment in Mathematics</i>

Afternoon Free

Monday July 3

08:45 Plenary Teaching Mathematics - the Gulf Between Semantics (Meaning) and Syntax (Form)
Taksim David Easdown

10:00 Coffee Break

Verdi	First name	Last Name	Country	Title
10:30	J.D.	Phillips	United States	<i>Logic, Self-Delusion, and the Seductions of Existential Despair</i>
11:00	Hamide	Dogan-Dunlap	United States	<i>Prospective Teachers' Attitude Toward and Perception of Mathematics: Case of a Pedagogical Approach to Teaching and Learning Mathematics</i>
11:30	Murat	Altun	Turkey	<i>Teacher Trainees' Skills and Opinions on Solving</i>
12:00	Robert Noel	Prince	South Africa	<i>An Approach to 'Mathematical Literacy' Teacher Education at a South African University</i>
Mozart				
10:30	Judith	King	United States	<i>Community Fosters Success</i>
11:00	Darina Jirotková,	Jana Slezáková-Krat	Czech Republic	<i>Parallel Teaching - A Method for the Improvement of Constructivist Teaching: the Case of a Geometry Course for Primary Teacher-Students</i>
11:30	Nicolina	Malara	Italy	<i>Behaviour of VI Grade Students in Front of Problematic Situations Aimed at Approaching the Concepts of Function and Inverse Function</i>
12:00	Daniel	Nomishan	United States	<i>Constructivist Teaching of Undergraduate Mathematics</i>
Wagner				
10:30	Ronit	Hoffmann	Israel	<i>Integrating Computers Into Mathematics Classes- Adjusting the Curriculum</i>
11:00	Elterpi	theodorou	Greece	<i>The Development of Prospective Teachers' Ideas in Designing Lesson Plans in Mathematics</i>
11:30	Cheng-Yao	Lin	United States	<i>A Study of Preservice Teacher Attitudes Towards Web-Based Instruction in Mathematics Methods Course</i>
12:00	Frederick K.S.	Leung	Hong Kong	<i>Do Undergraduate Students Really Understand Elementary Mathematics?</i>

Taksim A

10:30	Chun-Chor Litwin	Cheng	Hong Kong	<i>Learning of Mathematical Proof and Counter Example</i>
11:00	Raisa	Guberman	Israel	<i>Order on Line vs. Order of Numbers: Are the Teachers Aware of the Fact This is the Same Order?</i>
11:30	Fernando	Castro-Gutierrez	Venezuela	<i>Students Conjecture, Solve Problems and Publish: Some Experiences in Teacher Preparation.</i>
12:00	Filiz	Dogru	United States	<i>Enhancing the Mathematical Core</i>

Taksim B

10:30	Tosun	Tarziotglu	Turkey	<i>The Theodory Family</i>
11:00	Konstantinos	Nikolaionakis	Greece	<i>Developing Number Stories with Students of Science of Education Department</i>
11:30	Saeed	Hashemi	Iran	<i>Application of Mathematics on Education</i>
12:00	Funda	Gonulates	Turkey	<i>Prospective Mathematics Teachers' Attitudes about Integrating History of Mathematics in Mathematics</i>

Anadolu

10:30	Marian	Kemp	Australia	<i>Developing Statistical Literacy Across the University Curriculum</i>
11:00	Janet	Teegarden	United States	<i>Beyond the Textbook - Getting Developmental Mathematics Students Involved in Learning</i>
11:30	Tobia	Steyn	South Africa	<i>Mathematical Thinking Skills - Are First Year Tertiary Students Prepared?</i>
12:00	Cheryl	Carrera	United States	<i>Using Technology to Enhance College Algebra</i>

Tepe

10:30	Mathias	Ehmann	Germany	<i>Teaching Mathematics with GEONext and Dynamic Worksheets</i>
11:00	June	Decker	United States	<i>Music in the Undergraduate Mathematics Curriculum</i>
11:30	Maja-Leena	Viljanen	Finland	<i>Experiences in Using Interactive Web-Based Assignments at Upper Secondary Level.</i>
12:00	Francisco	Botana	Spain	<i>On Computing Loci in Dynamic Geometry Environments</i>

Verdi

14:00	Jeff	Waldock	United Kingdom	<i>Inspiring Mathematical Thinking by Processing a Digital Image Using a Spreadsheet</i>
14:30	John	Boland	Australia	<i>Simulation of Sampling Distributions</i>
15:00	Thomas C.	McMillan	United States	<i>Discrete Analysis Using an Electronic Spreadsheet</i>
15:30	Erdinc	Cakiroglu	Turkey	<i>Mathematics Teachers' Professional Development Through Technology-Integrated Problem Solving</i>

Mozart

14:00	Patricia	Cretchley	Australia	<i>Students Using Computer Software for Mathematics Assessment: a Comparison of Technology and Pen-and-Paper Performance</i>
14:30	Verónica	Diaz	Chile	<i>Longitudinal Assessment of Problems Solving and Mathematical Competences</i>
15:00	Elisabete Zardo	Burigo	Brazil	<i>Building the Concept of Function by Calculus Students</i>
15:30	Ali	Delice	Turkey	<i>The Meaning Constructed Beyond Symbols</i>

Wagner

14:00	Karen	Saxe	United States	<i>Reaching Social and Natural Science Students: Successful Math Courses for Entering College Students</i>
14:30	Ildar	Safuanov	Russia	<i>Mathematics, Mathematicians, Literature and Art</i>
15:00	Oscar João	Abdounr	Brazil	<i>Analogical Thought on Didactical Interrelationships Between Mathematics and Music</i>
15:30	Eliane	Keane	United States	<i>Flying Geometrical Kites in French</i>

Taksim A

14:00	Ansie	Harding	South Africa	<i>The Interplay Between an Algebraic and a Graphical Approach to Functions and the Influence it Has on an Applied Field</i>
14:30	Joshua	Chesler	United States	<i>Logarithmic and Exponential Functions: an Investigation of Student Understanding</i>
15:00	Maria Hadjipraskeva	Adamides	Cyprus	<i>Teaching and Learning Intermediate Algebra: Have We Found the Right Recipe?</i>
15:30	Hamide	Dogan-Dunlap	United States	<i>Intermediate Algebra Students' Nonmathematical Prior Knowledge and Conceptualization of Function</i>

Taksim B

14:00	Michael	McCabe	United Kingdom	<i>The Impact of Audience Response and Interactive Classroom Systems in Mathematics Modules for Computer Science</i>
14:30	Apostolos	Ciamrakopoulos	South Africa	<i>Computer-Supported Collaborative Learning in a University</i>
15:00	Vladimir	Nodelman	Israel	<i>3D Computer Geometry - First Attempts Analysis</i>
15:30	Mehmet	Bulut	Turkey	<i>The Influence of Computer Algebra System (CAS) in Teaching Derivative Concept</i>

Anadolu

14:00	Renan	Sezer	United States	<i>A Writing Intensive Statistics Course</i>
14:30	Thomas Vils	Pedersen	Denmark	<i>A Didactic Situation: Eigenvalues and -Vectors Discovered through Mathematical Experiments</i>
15:00	Tatyana	Zverkova	Ukraine	<i>Advanced Mathematical Modelling in Industry & Teaching: Sharing Experiences</i>
15:30	Osman	Yurekli	United States	<i>Undergraduate Research Experience at Ithaca College</i>

Tepe

14:00	Abbass	Sharif	Lebanon	<i>Freshman Student: "(6) * (10) = I Need a Calculator!"</i>
14:30	Adele M.	Miller	United States	<i>The Effect of Laboratory-Based Learning on College Level Developmental Mathematics Students' Conceptual Understanding of Rational Numbers</i>
15:00	Chris	Longhurst	Australia	<i>Using CAS as a Remedial Tool in University Mathematics</i>
15:30	Samuel	Kohn	United States	<i>Teaching of Fractions to Developmental Students at the College Level</i>

16:00 Coffee Break

Taksim A Presentation and Discussion Teaching at the Tertiary Level

16:30	Ken	Houston	United Kingdom	<i>Teaching Academics to Teach</i>
17:00	Elena	Nardi	United Kingdom	<i>"You Look at these Students, You Look at their Faces, You Know they Are Lost...": the Pedagogical Role of the Mathematician as De-Mystifier and En-Culturator</i>
17:30	Panagiotia Selin	Konstantinou Kalaycioglu	United States	<i>Challenges and difficulties in teaching mathematics...What would you do? How would you respond?</i>

Taksim B Panel Discussion

16:30 The Undergraduate Program in Mathematics: Increasing the Numbers, Understanding the Barriers and Preparing Students for the Workforce

William	Velez	United States
J.D.	Phillips	United States
Andreas	Ullovec	Austria
Leigh	Wood	Australia

Tuesday July 4

08:45 Plenary **The Teaching - Technology Linkage in Mathematics**
Taksim Carl Cowen United States

10:00 Coffee Break

Verdi	First name	Last Name	Country	Title
10:30	Agustin	de la Villa	Spain	<i>A European Project for the Restatement of Engineering Mathematics Teaching</i>
11:00	Richard	Pitt	United Kingdom	<i>The Use of Excel and Genetic Algorithms in Teaching Mathematics</i>
11:30	Roland	Maerivoet	Belgium	<i>Problem Solving Using Maple in an Open Learning Context</i>
12:00	Nir	Dagan	Israel	<i>XML Applications in Science Education: MathML, SVG, and More</i>

Mozart

10:30	Bracha	Kramarski	Israel	<i>Teachers' Views About Innovative Teaching Regarding PISA's Framework of Mathematical Literacy</i>
11:00	Vilma	Mesa	United States	<i>Control Structures in Nine Mathematics Textbooks for Introductory Calculus</i>
11:30	Hansheng	Yang	China	<i>Computer-Algorithm Methodology in Mathematics Instruction</i>
12:00	Anne	D'Arcy-Warrington	Australia	<i>Stand and Deliver: a Complex Interaction to Mathematical Learning</i>

Wagner

10:30	Mohamad	Bilal Ali	Malaysia	<i>Optimization Learning Mathematics Using E-Learning Platform Based on Multiple Intelligences Learning Strength</i>
11:00	Esra	Bukova Güzel	Turkey	<i>Constructing Derivative Concept as a Function by Using Animations</i>
11:30	Harry	Silfverberg	Finland	<i>Culturally and Technologically Enhanced Geometry Course "Didactical Geometry" Facing the Demands of the Paradigm Shifts in Mathematics Education</i>
12:00	Reza O.	Abbasian	United States	<i>Theorem Validation in Applied Mathematics Using Symbolic Computation Systems</i>

Taksim A

10:30	Cristina	Varsavsky	Australia	<i>Managing Student Expectations and Improving Student Engagement in a First Year Calculus Course</i>
11:00	Jerry	Uhl	United States	<i>Visual Theorems and Learning</i>
11:30	Neil	Challis	United Kingdom	<i>What Is Doing Mathematics Now? the Sequel</i>
12:00	Vladimir	Nodelman	Israel	<i>To See the Matrix</i>

Taksim B

10:30	Nitsa	Movshovitz Hadar	Israel	<i>Through the Logic Glass</i>
11:00	Ayhan Kursat	Erbas	Turkey	<i>Teachers' Knowledge of Student Thinking: Implications for Inservice and Preservice Teacher Education</i>
11:30	Alvaro	Poblete	Chile	<i>Improving the professional competence of mathematics teachers</i>
12:00	Graham Haward	Litter	United Kingdom	<i>Development of the Ability to Create a Structure of the Geometrical Knowledge of 3D Shapes</i>

Anadolu

10:30	Adrian	Ionescu	United States	<i>A Novel Use of Maple and C in Teaching Differential Equations and Numerical Analysis</i>
11:00	Anesa	Hosein	United Kingdom	<i>The Teaching of Linear Programming in Different Disciplines and in Different Countries</i>
11:30	Marius	Buitrago	United States	<i>Using Java Applets and Mathematics Notebooks in Undergraduate Mathematics</i>
12:00	Mike	Pemberton	Australia	<i>Using Maple to Visualize the Teaching of Various Mathematical Applications</i>

Tepe

10:30	Soraya	Basadien	South Africa	<i>Algebraic and Graphical Solution of Logarithmic Inequalities</i>
11:00	Matja	Lezar	Slovenia	<i>Electronic Teaching and Learning Resources in Math Teaching in Slovenia</i>
11:30	Zekeriya	Karadag	Canada	<i>A Proposal for Extending Undergraduate Students' Math Ability: CSCL</i>
12:00	Vera Helena Giusti	De Souza	Brazil	<i>About Inequations' Resolution</i>

Verdi

14:00	Behiye	Ubuz	Turkey	<i>What Is Mathematics to Preservice Teachers?</i>
14:30	Meg	Moss	United States	<i>A Study of the Specialized Understanding of Mathematics of Pre-Service Elementary Teachers</i>
15:00	Nahid	Golafshani	Canada	<i>Iranian Teachers' Professed Beliefs About Mathematics, Mathematics Teaching and Mathematics Learning</i>
15:30	Pehinhan	Ding Arlut	Turkey	<i>Using Java Applets and Mathematics Notebooks in Undergraduate Mathematics</i>

Mozart

14:00	Phyllis	Chinn	United States	<i>Hands-on Activities to Motivate Students to Seek Proofs</i>
14:30	Pedro	Rodríguez	Spain	<i>An Innovative Evaluation Method in Mathematical Subjects for Engineering Degrees</i>
15:00	Renan	Sezer	United States	<i>Teaching Mathematics with Real Life Models</i>
15:30	K	Gotkhindkar	India	<i>Recreational Mathematics and Mathematics Laboratory</i>

Wagner

14:00	Margot	Berger	South Africa	<i>Mathematical Affordances of CAS in an Undergraduate Mathematics Course</i>
14:30	Asli S.	Ozgun-Koca	United States	<i>Computers, Calculators and Piaget? An Interpretation of Piaget's Stage Independent Theory in Technology Assisted Learning Environments</i>
15:00	Richard	Melka	United States	<i>Using Tablet PC's in Undergraduate Mathematics</i>
15:30	Steve	Sugden	Australia	<i>Spreadsheets in Education: a Peer-Reviewed Medium for Active Learning</i>

Taksim A

14:00	Tevian	Dray	United States	<i>Bridging the Gap between Mathematics and the Physical Sciences</i>
14:30	Erhan	Bingolbali	Turkey	<i>Engineering Students' Views of Mathematics: the Role of the Institution in Shaping Students' Views</i>
15:00	Dennis	Pence	United States	<i>Reordering Calculus Topics to Better Serve Physics</i>
15:30	M	Jahanshahi	Iran	<i>Discrete Additive and Multiplicative Differentiation and Integration Calculus in Undergraduate Mathematics and their Applications</i>

Taksim B

14:00	George	Booker	Australia	<i>Developing and Using Spatial Visualisation Abilities with Intending Teachers</i>
14:30	Munir	Mahmood	Kuwait	<i>Different Methods on Deriving the Sum of Some Special Series</i>
15:00	Rejane	Siqueira Julio	Brazil	<i>Meanings, Objects and Mathematics Teacher Education: a Study of the Notion of Dimension</i>
15:30	Bronislaw	Czarnocha	United States	<i>Indivisibles in Calculus Instruction: a Teaching-Research Report on Second-Generation Calculus Reform</i>

Anadolu

14:00	Kasiyah	Junus	Indonesia	<i>Using Work Sheets in Linear Algebra Classes to Promote Students' Participation</i>
14:30	Anna	Beikner	South Africa	<i>A Real-Life Application of Mathematics in the Teaching of Beginning Differential Equations</i>
15:00	Leyla	Bataki	United States	<i>Upgrade Efforts for an Introductory Statistics Course</i>
15:30	Gabriel	Chandler	United States	<i>Teaching Probability and Statistics Using Baseball</i>

Tepe

14:00	Ayhan Kursat	Erbas	Turkey	<i>Mathematics Teacher Education and Teaching & Learning with Technology: Problem Solving with Multiple Representations</i>
14:30	Marita	Barabash	Israel	<i>Turning Non-Routine Geometrical Problems Into Routine Ones: How the DGE Can Help?</i>
15:00	Norma	Noguera	United States	<i>Making Mathematics Accessible for All Students Using Technology</i>
15:30	Reda	Abu-Elwan	Oman	<i>Developing a "School Mathematics" Course Based on the Information Technology for Prospective Mathematics Teachers in SQU</i>

10:00 Coffee Break

Taksim B Panel Discussion **Issues in Teaching Calculus, Multivariable Calculus, and Differential Equations**

16:30	Paul	Zorn	United States
	Diane	Jaanbriht	Korea
	Oh Nam	Kwon	Korea
	Olga	Vaz	Portugal

Tepe One-hour Workshop

16:30	Tevian	Dray	United States	Bridging the Gap between Mathematics and the Physical Sciences
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Verdi One-hour Workshop

16:30	Barry	Kissane	Australia	Using the Classpad 300 for Teaching and Learning Early Undergraduate Mathematics
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Wednesday July 5

	First name	Last Name	Country	Title
Verdi				
08:30	Bernadette	Dantley	United States	<i>Integrating Multiple Intelligence in a Collaborative Learning Environment</i>
09:00	Crysanthi	Skoumpourdi	Greece	<i>The Attrition Rate of Students and its Relation with Performance in Mathematics</i>
09:30	Mary Ruth	Freislich	Australia	<i>The Effects of Keller Plan Instruction on the Achievements and Attitudes of Tertiary Mathematics Students</i>
10:00	Ali	Eshkevari	Iran	<i>Reasonability in Mathematics Training</i>
Mozart				
08:30	Antonin	Jancarik	Czech Republic	<i>Games and Puzzles for Student-Teachers</i>
09:00	Gulden	Tasdelen	Turkey	<i>KOCMETU ASSESS Project</i>
09:30	Vrunda	Prabhu	United States	<i>Logical Thinking of Students in Freshman Calculus Courses - A Teaching-Research Report</i>
09:00	Yusuf	Koc	Turkey	<i>Exploring Effectiveness of a New Mathematics Curriculum From Sixth Grade Teachers' Perspective: the Case of Turkey</i>
Taksim A				
08:30	Geoff	Smith	Australia	<i>Student Voices: Implications for Teaching Mathematics</i>
09:00	Eva	Milková	Czech Republic	<i>Object Teaching of Combinatorics: Multimedia Support of Students' Self-Preparation</i>
09:30	Rafael	Martinez Planel	Puerto Rico	<i>Students Ideas on Functions of Two Variables</i>
10:00	Anand	Nukala	India	<i>Alternative Proofs</i>
Taksim B				
08:30	Romulo	Lins	Brazil	<i>On Kuhnian Revolutions in Mathematics</i>
09:00	Miroslav	Lovic	Canada	<i>Suggestion for a Theoretical Model for Secondary-Tertiary Transition in Mathematics</i>
09:30	Mourat	Tchoshanov	United States	<i>Pre-Service Middle School Teachers' Concept Images and Concept Definitions of Infinity</i>
10:00	Leonardo	Veregas	Colombia	<i>Infinity</i>
Anadolu				
08:30	Michele	Emmer	Italy	<i>Mathematics, Art, Culture: New Ideas for Math Teaching</i>
09:00	Klaus	Volpert	United States	<i>Financial Derivatives: a Course for Math Majors</i>
09:30	Cengiz	Alacaci	United States	<i>Increasing Girls' and Minorities' Access and Achievement in Undergraduate Mathematics: a Perspective from the US</i>
10:00	Harry	Gretton	United Kingdom	<i>Humour and Mathematics: Hamming it up in the Classroom</i>
Tepe				
08:30	Dubravka	Viskic	Australia	<i>Examining Mathematics: an Analysis of the Performance of a CAS on Examinations in Mathematics</i>
09:00	Agida	Manizade	United States	<i>New Mathematical Dimensions</i>
09:30	Michal	Novak	Czech Republic	<i>Raising Efficiency in Teaching Mathematics in Non-English Speaking Countries: an Electronic Bilingual Dictionary of Mathematical Terminology</i>
10:00	Beverly J.	Ferrucci	United States	<i>Enhancing Understanding with Graphing Technology: Examining Preservice Primary School Teachers' Knowledge of Mathematical Systems</i>
10:30 Coffee Break				
11:00 Plenary				
Taksim Romulo Lins Brazil <i>Pet Monsters, Monstrous Monsters and Mathematics Education</i>				
12:00 Wrap Up				
Taksim Deborah Ignatios Hughes Hallett Vakalis				