



35th Conference of the International  
Group for the Psychology  
of Mathematics Education

## Conference Program Booklet

Developing Mathematical Thinking



PME35, Ankara-Turkey  
July 10-15, 2011

## **SPONSORS**

The conference received support from several sources to whom we are grateful:

Middle East Technical University

Gaziantep University

Gazi University

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TED Graduated Association

The Scientific and Technological Research Council of Turkey

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## **SUPPORTING TEAM – PME 35**

We wish to thank the following collaborators for their support in the organization of PME35

**Technical Support**    Davut Çavdar

### **Helpers**

Mustafa Alparslan

Esra Balgalmış

Aykut Bulut

Zişan Güner

Celal İler

Seçil Yemen Karpuzcu

Mehtap Özen

Çağla Öneren Şendil

# PME35 CONFERENCE IN ANKARA

## Welcome

It is a great pleasure to welcome you to the 35th Annual Conference of the International Group for the Psychology of Mathematics Education, which is held in Ankara, at the Orta Doğu Teknik Üniversitesi [Middle East Technical University].

This booklet provides information about your participation in the scientific and social activities of the conference.

## Venue

The conference venues will be the **Cultural and Convention Center (Kültür ve Kongre Merkezi-KKM)**, **Faculty of Economics and Administrative Sciences B Building (İktisadi ve İdari Bilimler Fakültesi-B Binası-IIBF)** and **Faculty of Education (Eğitim Fakültesi-EFA)**, located in the campus of Middle East Technical University.

## Conference Site

- METU & Hotels (see map 1)
- Hotel' s Region (see map 2)
- METU Campus (see map 3)
- The Opening Session, Plenary Addresses, Plenary Panel, Research Forums, National Presentations and Poster Presentations will take place at the at the KKM (see map 4)
- Newcomers Meeting will be held at the Hall A located at the KKM (see map 4)
- Annual General Meeting will be held at the Kemal Kurdas Hall located at the KKM (see map 4)
- Cultural Event, Social Reception and Happy Hour will take place at the KKM (see map 4)
- Research Reports, Short Oral Communications, Discussion Groups and Working Sessions will be held at rooms located at IIBF and EFA (see map 4)

## Conference Secretariat

The Conference Secretariat, operated by ARBER Professional Congress Services, will be located at the foyer of the KKM and will operate in the following opening hours.

Sunday, 10 <sup>th</sup>	10:00 to 12:00 (Hilton Hotel) 14:30 to 16:30
Monday, 11 <sup>th</sup>	08:00 to 20:00
Tuesday, 12 <sup>th</sup>	08:00 to 20:00
Wednesday, 13 <sup>th</sup>	08:00 to 12:00
Thursday, 14 <sup>th</sup>	08:00 to 19:30
Friday, 15 <sup>th</sup>	08:00 to 15:00

For any inquiries you may contact the Conferences Administrative Secretariat  
Phone: Mr. Tolga Koc :+90.506.548 6689 / Mr. Bahadır İlgen: 90.554.236 4610

## **PME Administrative Manager**

Prof.Dr. Bettina Roesken, Administrative Manager of the International Group for the Psychology of Mathematics Education, will be available during the conference. Her office will be located at the room G-168 in the IIBF and Hall E in KKM.

## **Helpers**

Helpers wearing a white t-shirt with the conference logo and an Orange conference badge will assist you if you need help during the conference.

## **Information Boards**

A bulletin board will be displayed in the foyer of KKM and IIBF for the announcements of IC, IPC, LOC and the Conference Secretariat. Changes in the programme will be presented on the bulletin board early in the morning and in the afternoon.

## **Coffee Breaks**

Coffee Breaks will be served as mentioned below :

- July 11, 2011 Monday
  - Morning : Foyer of the KKM
  - Afternoon : Foyer of IIBF
- July 12, 2011 Tuesday
  - Morning : Foyer of the KKM
  - Afternoon : Foyer of IIBF
- July 13, 2011 Wednesday
  - Morning : Foyer of the KKM
- July 14, 2011 Thursday
  - Morning : Foyer of the KKM
  - Afternoon : Foyer of IIBF
- July 15, 2011 Friday
  - Morning : Foyer of the KKM

## **Lunch**

All lunch breaks will be served at the main cafeteria. Lunches will include a variety of national dishes, including vegetarian food. Necessary information will be provided to the participants with kosher options. Please contact the Conference Secretariat.

Lunch coupons will be available for accompanying persons at fixed price at the conference secretariat.

All delegates and guests are requested to carry their lunch coupons for lunch breaks.

For evening meals, Ankara offers a great variety of restaurants. Information will be provided by the organizers in a guide included in the conference bag.

## Conference Badges

All delegates will receive their conference printed material, relevant information and badges upon registration at the conference secretariat.

Delegates and guests are requested to retain their badges at all times in order to be able to enter the conference venues and the area of social events.

All the badges have the same style with different color tape:

Delegates:	RED
IPC Members:	RED + Red Tape
IC Members:	RED + Green Tape
IPC & IC Members	RED + Red+Green Tape
Accompanying	GREY
Helpers	ORANGE
Secretariat	GREEN

## Wireless Internet Access

There are three options to connect to the internet on the campus.

- The first option is to use EDUROAM, a world-wide roaming access service. EDUROAM allows members of participating institutions to obtain Internet connectivity across their campus and when visiting other participating institutions. If your university is a member of EDUROAM system, then you can use the wireless internet access at METU using your own user code and password, because METU is also a member of this system.
- The second option is to register your computer to the METU wireless network. Current regulations require the university computer centre to record the 'MAC' addresses of the wireless network adapters of every computer connecting to the Internet through the university system. If you can submit your MAC address to us, the university computer centre will "securely" register it to their database, for the duration of the conference.
- The third option is to access internet at the General Computer Lab. located room EFA-20 in the EFA.

For more information, please contact the registration desk.

## Map of the METU

You will find a map of the METU in the conference bag.

*A Cultural and Social Program is available at the end of this booklet.*

## GENERAL INFORMATION

### No Smoking

Smoking is prohibited in all public buildings.

### Drinking Water

Tap water in Ankara has been chlorinated, but bottled water is still recommended for drinking.

### Bank / Currency

There are six banks available within METU Campus. These branches have ATMs (Automatic Teller Machines) as well. The Turkish Lira (Türk Lirası) is the currency of Turkey.

### Public Transportation

The A1 and A 2 entrance gates of METU campus are 7 km away from the city center and they are nearby Eskişehir Highway.

It is possible to reach METU campus by METU district buses, EGO buses, minibuses (dolmuş) and taxi.

The most convenient of them is minibuses (dolmuş) since their service is most easily accessible and available.

### Taxi:

They are recognizable by their yellow color and word taksi.

Within METU campus, taxi service is available using the number +90.312.284 60 60



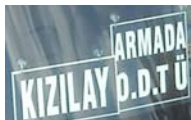
### Dolmuş:

Dolmuş is a special service found only in Turkey. This is a collective taxi, which follows specific routes. This is a very practical means of transportation and much cheaper than a taxi. There is no time schedule for DOLMUS, the ride starts when it is full. It takes about 10-20 min. There are three routes from ODTU and the route of Dolmuş is written on the front window as shown in the picture. It takes about 15-20 minutes depending on traffic from university to city center.

ODTU(university) - KIZILAY- Güven Park (city center)

ODTU(university) - ULUS- (old city)

ODTU(university) - A. AYRANCI



**Bus:**

There are two types of buses in Ankara servicing the whole the city. One is run by the municipality and these are called Belediye Otobüsü. These buses are either red or blue and dark blue striped. Since electronic tickets are required for traveling with these buses the ticket should be bought in advance. The second type of bus is privately run Halk Otobüsü, which are green or blue. Tickets are not welcome on these buses and only cash is accepted. However the price is the same. Only Belediye Otobüsü provide service between university and city.

**EGO Buses operating between Güvenpark and METU Campus**

Public Transportation (Shuttle Service) between Metu Campus-Güvenpark (Kızılay) and their time Schedule.

Line Number : 198 / METU – Kızılay - METU

Distance : 17km.

Route Duration : 60 minutes

Weekdays & Weekend from METU	Route
Departure EVERY HOUR from 08:00 till 22:00. The last departure will be at 22:50.	METU CAMPUS, DUMLUPINAR BLV. İNÖNÜ BLV. MÜDAFAA ST. (GÜVENPARK) KUMRULAR ST. NECATİBEY ST. İNÖNÜ BLV. DUMLUPINAR BLV. METU CAMPUS

**METU Shuttle Service:**

Shuttle service is available in the university campus.

More information will be given on the conference registration desk.

## PME35 TRANSFER SCHEDULE

### 10.07.2011 Sunday

Departure Time	Departure	Arrival
14:30	Conference Hotels	KKM
15:30	Conference Hotels	KKM
19:30	KKM	Conference Hotels
21:00	KKM	Conference Hotels

### 11.07.2011 Monday

Departure Time	Departure	Arrival
08:15	Conference Hotels	KKM
11:00	KKM	IIBF
13:00	IIBF	Lunch (Cafeteria)
14:30	KKM	IIBF
19:10	IIBF	Conference Hotels

### 12.07.2011 Tuesday

Departure Time	Departure	Arrival
08:15	Conference Hotels	KKM
11:00	KKM	IIBF
13:00	IIBF	Lunch (Cafeteria)
14:30	KKM	IIBF
19:10	IIBF	KKM
20:00	KKM	Conference Hotels
21:15	KKM	Conference Hotels

**13.07.2011 Wednesday**

<b>Departure Time</b>	<b>Departure</b>	<b>Arrival</b>
<b>08:15</b>	Conference Hotels	KKM
<b>13:10</b>	KKM	Excursions
<b>End of Tours</b>	Excursions	Conference Hotels

**14.07.2011 Thursday**

<b>Departure Time</b>	<b>Departure</b>	<b>Arrival</b>
<b>08:15</b>	Conference Hotels	KKM
<b>14:30</b>	KKM	IIBF
<b>19:10</b>	IIBF	Conference Hotels
<b>20:20</b>	Conference Hotels	Gala Dinner
<b>23:30-00:15</b>	Gala Dinner	Conference Hotels

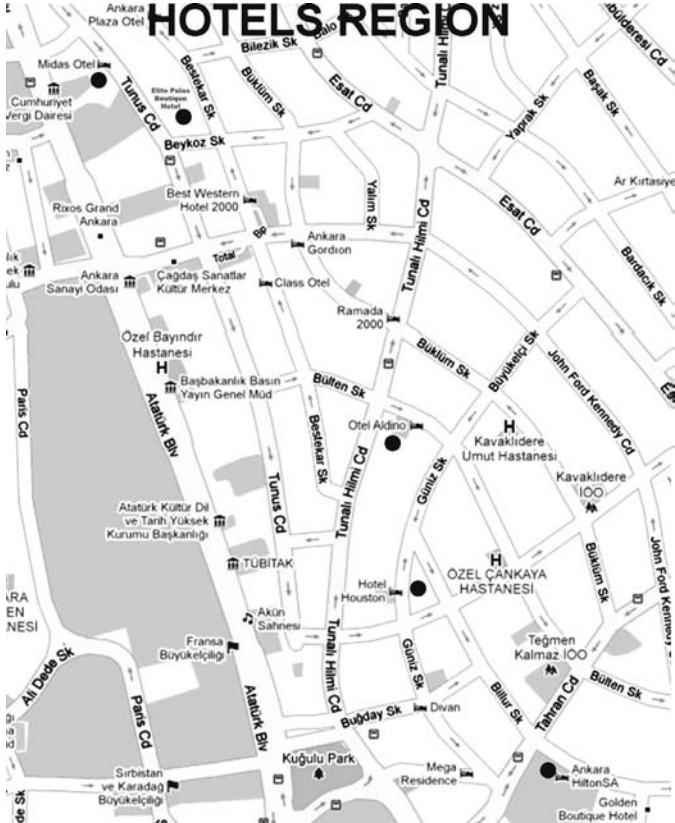
**15.07.2011 Friday**

<b>Departure Time</b>	<b>Departure</b>	<b>Arrival</b>
<b>08:15</b>	Conference Hotels	KKM
<b>14:30</b>	KKM	Conference Hotels

MAP 1 : METU & HOTELS MAP



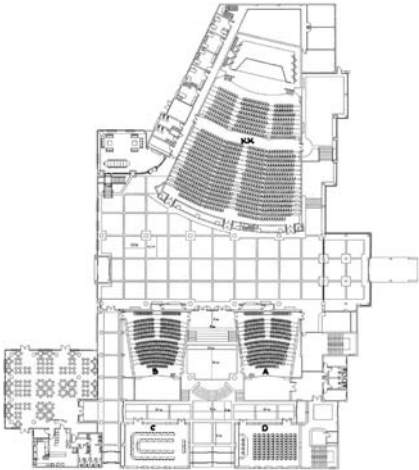
MAP 2 : HOTEL' S REGION MAP



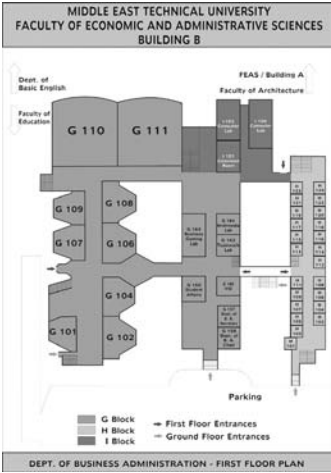


MAP 4 : KKM & ANNEX BUILDINGS

KKM



IIBF



EFA

EFA 18	EFA 16	EFA 14	EFA 12	EFA 12 A	EFA 33	EFA 34
ROOMS / GROUND FLOOR						EFA 35
EFA 19	EFA 17	EFA 15	EFA 13	EFA 11	EFA 10	EFA 36

# THE SCIENTIFIC PROGRAM OF PME35

## The theme of the 35th Conference of PME is “Developing Mathematical Thinking”

The Scientific program includes the following activities:

### *Plenary Sessions*

- **Two Plenary Addresses**, 60 Minutes Sessions
- **Two Plenary Addresses with a Reaction**, 90 Minutes Sessions
- **A Plenary Panel**, 90 Minutes Session

*The discussion with plenaryists and panelists will run in parallel with some group activities.*

### *Personal Presentations*

- **157 Research Reports (RR)**, 14 sessions of 40 minutes each (20 minutes for the oral presentation and 20 minutes of discussion)
- **183 Short Oral Communications (SO)**, 5 sessions of 50 minutes each (in groups of three, 10 minutes for each oral presentation and 20 minutes for discussion)
- **95 Poster Presentations (PP)**, two 60 minutes sessions

### *Group Presentations*

- **2 Research Forums (RF)**, two 90 minutes sessions
- **8 Discussion Groups (DG)**, two 90 minutes sessions
- **5 Working Sessions (WS)**, two 90 minutes sessions (in parallel with the DGs)

### *National Presentations*

- **3 National Presentations (NP)**, one 60 minutes session (in parallel with the PPs)

### *The program also includes*

- Opening Session
- Newcomers Meeting
- Policy Meeting
- AdHoc Meeting
- Annual General Meeting
- Closing Ceremony

### **Language**

The official language of the conference is English.

### **Equipment**

The meeting rooms are quipped with a computer and a projector. The computers operating system is windows including MS Office program. Other Equipment will be provided on the basis of previously submitted requests. For any inquiries regarding technical issues, you may contact with helper in the related conference room .

**The 35<sup>th</sup> Conference of the International Group for the Psychology  
of Mathematics Education**

<b>THE SCIENTIFIC PROGRAM OF PME 35</b>	
<b>SUNDAY, JULY 10, 2011</b>	
<b>10:00am-12:00pm</b> <b>Hilton Hotel</b>	<b>Registration</b>
<b>2:30pm - 4:30pm</b> <b>KKM</b>	<b>Registration</b>
<b>4:30pm - 5:30pm</b> <b>KKM / Kemal</b> <b>KURDAŞ Hall</b>	<b>Opening Session</b>
<b>5:30pm - 6:30pm</b>	<b>PLENARY ADDRESSES</b>
<b>KKM / Kemal</b> <b>KURDAŞ Hall</b>	Session Chair: <b>Behiye Ubuz</b> A.Doğanaksoy Morals of an anecdote as starting point of a lecture in mathematics
<b>6:30pm - 7:30pm</b> <b>KKM / Kemal</b> <b>KURDAŞ Hall</b>	<b>CULTURAL EVENT</b>
<b>7:30pm - 9:00pm</b> <b>KKM / Big Foyer</b>	<b>SOCIAL RECEPTION</b>

MONDAY, JULY 11, 2011	
9:00am - 10:30am	PLENARY ADDRESSES
KKM / Kemal KURDAŞ Hall	Session Chair: <b>Barbara Jaworski</b>
	J.Ainley
	<i>Developing purposeful mathematical thinking: A curious Tale of apple trees</i>
	Reactor: T.Rojano
10:30am - 11:00am KKM / Big Foyer	COFFEE BREAK
11:20am - 12:10pm	SHORT ORALS, SESSION 1
SO1.01	Session Chair: <b>Silvia Alatorre</b>
G 106	Hagen, Pamela Anne
	Student use of imagination and affect in elementary mathematics
	Eichler, Andreas; Erens, Ralf; Girnat, Boris
	Maths $\neq$ maths – teachers’ curricular beliefs referring to different mathematical domains
SO1.02	Tee, Fui Due
	The high school analogue of mathematics teachers' horizon content knowledge: Three case studies
G 102	Erh-Tsung, Chin; Chih-Yen, Liu; Ji-Ning, Lai
	The impacts of conjecturing-based mathematical writing activities on the development of students’ mathematical proficiency
	Huan Wen, Cheng; Shein, Paichi Pat
	Promoting a low-performing elementary student’s understanding of 2d representation of 3d polyhedrons
SO1.03	Osterholm, Magnus
	A framework for studying differences between process- and object-oriented discourses
EFA 11	Borba, Marcelo C.; Amaral, Rúbia B.
	A model to teach teachers to become online teachers
	Erbas, Ayhan Kursat; Ince, Muge
	Relearning quadratic equations with interactive white board and a graphing software
	Kabaca, Tolga; Tarhan, Veli
	The effect of dynamic mathematics software to the students’ beliefs about mathematics

<b>11:20am- 12:10pm</b>	<b>SHORT ORALS, SESSION 1</b>
<b>SO1.04</b>	Session Chair: <b>Richard Barwell</b>
<b>EFA 15</b>	<p>Thinwiangthong, Sampan  Verification of triad feedback- the unit of analysis of small-group mathematical communication  Hobden, Sally Diane  Using metaphors to elicit inservice teachers' personal beliefs about teaching and learning mathematical literacy  Hatisaru, Vesife; Cetinkaya, Bulent  Using history of mathematics in teaching mathematics: Teachers' views</p>
<b>SO1.05</b>	Session Chair: <b>Ibrahim Bayazit</b>
<b>G 101</b>	<p>Bozkurt, Ali; Özmantar, Mehmet Fatih; Bingölbali, Erhan; Oğraş, Adile  Teachers' conduct of problem solving activities  LaCroix, Lionel  Subjectification within mathematics learning activity: Examples from workplace training  Tunç Pekkan, Zelha; Rau, Martina; Aleven, Vincent; Rummel, Nikol  Elementary school children's use of graphical representations and fractional knowledge</p>
<b>SO1.06</b>	Session Chair: <b>Zahra Gooya</b>
<b>EFA 10</b>	<p>Sezer, Renan; Güner, Necdet; Akkuş, Oylum  TIMSS from Turkish teachers' perspective  Jeong, Minju; Choi, Younggi  Student's affection for 7th grade mathematics  Aizikovitsh, Einav; Amit, Miriam  Purposely teaching for the promotion of critical thinking disposition: A case of "confidence"</p>
<b>SO1.07</b>	Session Chair: <b>Ana-Maria Roque Boavida</b>
<b>G 104</b>	<p>Sari, Meltem; Bulbul, Ali  Proving styles and affective pathways: A case study  Pişkin Tunç, Mutlu; Çakıroğlu, Erdinç; Bulut, Safure  Prospective mathematics teachers' self-efficacy beliefs regarding the use of concrete models  Francisco, John  Promoting mathematical understanding through problem solving</p>

<b>11:20am- 12:10pm</b>	<b>SHORT ORALS, SESSION 1</b>
<b>SO1.08</b>	Session Chair: <b>Paolo Boero</b>
<b>G 111</b>	Gebremichael, Andualem Tamiru Perceptions of relevance of prior experiences of mathematics in an Ethiopian preparatory school Sparrow, Robert Leonard; Cavanagh, Robert Mathematics anxiety: A construct model Mehmetlioglu, Deniz Investigating relationship between readiness and self-efficacy of preservice teachers towards profession
<b>SO1.09</b>	Session Chair: <b>Mariana Saiz</b>
<b>G 107</b>	Jankvist, Uffe Thomas History, application, and philosophy (haph) modules in mathematics education Tuohilampi, Laura; Hannula, Markku.S. High expectations, low confidence - discrepancy in self-image as a reason for displeasure in mathematics Edwards, Julie-Ann Friendship groups: Equal discourse status and equal task-specific expertise
<b>SO1.10</b>	Session Chair: <b>Joana Maria Brocardo</b>
<b>G 108</b>	Wang, Chih-Yeuan; Lin, Yung-Sen Exploring the mathematic teaching conception development of practice teachers Alkan, Vesile Exploring expectations primary school pupils have about teaching mathematics Changsri, Narumon; Inprasitha, Maitree An analysis of scripts of teaching related to open approach
<b>SO1.11</b>	Session Chair: <b>Regina Bruder</b>
<b>EFA 13</b>	Millman, Richard S; Alemdar, Meltem; Harris, Bonnie A meta-analysis of mathematics teachers in the industrial internship gift program Tekin, Ayşe; Hıdıroğlu, Çağlar Naci; Bukova-Güzel, Esra Examining model eliciting activities developed by prospective mathematics teachers Liu, Po-Hung Mathematics as an art—a liberal art approach

<b>SO1.12</b>	<b>Session Chair: Anne D. Cockburn</b>
<b>G 208</b>	Shinno, Yusuke; Iwasaki, Hideki Two routes to the reification of variable as a key to conceptual change in mathematics learning Stragalinou, Athina; Pradeep, Reshmi; Polychroniadis, Panagiotis The transition from arithmetic to algebraic fractions Canavarro, Ana Paula; Patrício, Mónica Developing mathematical thinking: Challenges for the professional knowledge of teachers
<b>SO1.13</b>	<b>Session Chair: Alf Coles</b>
<b>G 209</b>	Chua, Boon Liang; Hoyles, Celia The interplay between format of pattern display and expressing generality Kose, Nilufer Yavuzsoy; Tanisli, Dilek The constructive and deconstructive generalizations on linear figural patterns of preservice teachers Chen, Chia-Huang Six graders' generalization performances of figure pattern
<b>SO1.14</b>	<b>Session Chair: Joao-Pedro Da Ponte</b>
<b>G 109</b>	Magiera, Marta; Moyer, John; van den Kieboom, Leigh Prospective k-8 teachers' relational thinking in the context of arithmetic and algebra-based tasks van den Kieboom, Leigh A.; Magiera, Marta T.; Moyer, John C. Pre-service teachers' questioning ability and their algebraic thinking Mellone, Maria; Iannece, Donatella; Tortora, Roberto Exploiting children's spontaneous algebra skills
<b>12:20pm - 1:00pm</b>	<b>RESEARCH REPORTS, SESSION 1</b>
<b>RR01.01</b>	<b>Session Chair: Laurie Edwards</b>
<b>G 111</b>	Van Harpen, Xianwei Yuan; Presmeg, Norma Insights into students' mathematical problem posing processes
<b>RR01.02</b>	<b>Session Chair: Torsten Fritzlar</b>
<b>EFA 10</b>	Seah, Wee Tiong Effective mathematics learning in two Australian primary classes: Exploring the underlying values
<b>RR01.03</b>	<b>Session Chair: Sean Chorney</b>
<b>EFA 11</b>	Rivera, Ferdinand Explaining differences in second grade students' patterning competence using parallel distributed processing

<b>RR01.04</b>	Session Chair: <b>Marjolijn Peltenburg</b>
<b>EFA 13</b>	González-Martín, Alejandro S.; Giraldo, Victor; Machado Souto, Alexandre Representations and tasks involving real numbers in school textbooks
<b>RR01.05</b>	Session Chair: <b>Gaye Williams</b>
<b>G 209</b>	Hoyos, Veronica Achievements of secondary mathematics teachers incorporating digital technologies into classroom practice
<b>RR01.06</b>	Session Chair: <b>Rute Elizabete Borba</b>
<b>EFA 15</b>	Ozmantar, Mehmet Fatih; Akkoç, Hatice; Bingolbali, Erhan; Demir, Servet Development of preservice teachers in linking multiple representations via technology
<b>RR01.07</b>	Session Chair: <b>Ana Isabel Silvestre</b>
<b>EFA 16</b>	Saldanha, Luis A. Aspects of conceiving stochastic experiments
<b>RR01.08</b>	Session Chair: <b>Arindam Bose</b>
<b>G 101</b>	Shvarts, Anna; Chumachenko, Dmitry Representations in the development of mathematical concepts
<b>RR01.09</b>	Session Chair: <b>Carolyn Kieran</b>
<b>G 102</b>	Verhoef, Nellie C.; Tall, David O. Lesson study: The effect on teachers' professional development
<b>RR01.10</b>	Session Chair: <b>Tony Brown</b>
<b>G 104</b>	Elipane, Levi Esteban Incorporating lesson study in pre-service mathematics teacher education
<b>RR01.11</b>	Session Chair: <b>Paraskevi Michael</b>
<b>G 106</b>	Rangnes, Toril Eskeland Moving between norms in school mathematics practice and building company practice
<b>RR01.12</b>	Session Chair: <b>Anatoli Kouropatov</b>
<b>G 107</b>	McDonald, Susan Ellen; Warren, Elizabeth; deVries, Eva Plotting the use of oral language and rich mathematical representations of teachers in the early years of formal schooling
<b>RR01.13</b>	Session Chair: <b>Ruth Anne Beatty</b>
<b>G 108</b>	Chavoshi Jolfaee, Simin Sadat; Zazkis, Rina Probability zero events: Improbable or impossible?

<b>12:20pm - 1:00pm</b>	<b>RESEARCH REPORTS, SESSION 1</b>
<b>RR01.14</b>	Session Chair: <b>Thomas L Schroeder</b>
<b>G 109</b>	Pelczer, Ildiko; Florence Mihaela, Singer; Cristian, Voica In-service and pre-service teachers' strategies of task adaptation
<b>RR01.15</b>	Session Chair: <b>David Ellemor-Collins</b>
<b>EFA 14</b>	Triantafillou, Chrissavgi; Vourvoulakis, John; Assimakis, Nicholas Mathematical tools in engineering students' decision-making
<b>RR01.16</b>	Session Chair: <b>Annika Wille</b>
<b>G 208</b>	Ribeiro, C Miguel; Carrillo, José Discussing a teacher MKT and its role on teacher practice when exploring data analysis
<b>1:10pm - 2:30pm Main Cafeteria</b>	<b>LUNCH</b>
<b>2:00pm - 2:30pm KKM / Hall A</b>	<b>Newcomers Meeting with PME - IC</b>
<b>2:40pm - 3:20pm</b>	<b>RESEARCH REPORTS, SESSION 2</b>
<b>RR02.01</b>	Session Chair: <b>Ketty Savioli</b>
<b>EFA 10</b>	Morgan, Simon Peter; Sack, Jacqueline Learning creatively with giant triangles
<b>RR02.02</b>	Session Chair: <b>Ann Gervasoni</b>
<b>EFA 11</b>	Lewis, Gareth The poverty of motivation: A study of disaffection with school mathematics from a reversal theory perspective
<b>RR02.03</b>	Session Chair: <b>Egan J Chernoff</b>
<b>EFA 13</b>	Swidan, Osama How did the indefinite integral function become an accumulation function?
<b>RR02.04</b>	Session Chair: <b>Isabell Bausch</b>
<b>EFA 14</b>	Sevimli, Eyup; Delice, Ali Is what you prefer what you do? Representations in definite integral
<b>RR02.05</b>	Session Chair: <b>Markus Hahkioniemi</b>
<b>EFA 15</b>	Moustaki, Foteini; Kynigos, Chronis Engineering students' visualization and reasoning processes while interacting with a 3d digital environment
<b>RR02.06</b>	Session Chair: <b>Michael O. J. Thomas</b>
<b>EFA 16</b>	Geiger, Vince; Dole, Shelley; Goos, Marilyn The role of digital technologies in numeracy

<b>RR02.07</b>	Session Chair: <b>Mehmet Fatih Ozmantar</b>
<b>G 101</b>	Borba, Rute; Pessoa, Cristiane; Barreto, Fernanda; Lima, Rita Children's, young people's and adults' combinatorial reasoning
<b>RR02.08</b>	Session Chair: <b>Eirini Geraniou</b>
<b>G 102</b>	Roh, Kyeong Hah; Lee, Yong Hah Development of students' understanding of the logic in the epsilon-n definition of limit
<b>RR02.09</b>	Session Chair: <b>Anna Shvarts</b>
<b>G 104</b>	Bose, Arindam; Subramaniam, K Exploring school children's out of school mathematics
<b>RR02.10</b>	Session Chair: <b>Luis A. Saldanha</b>
<b>G 106</b>	Pons, Joan; Valls, Julia; Llinares, Salvador Coordination of approximations in secondary school students' understanding of limit concept
<b>RR02.11</b>	Session Chair: <b>Emine Gülen Tekin</b>
<b>G 107</b>	Cullen, Craig James; Miller, Amanda Lynn; Barrett, Jeffrey E; Clements, Douglas H; Sarama, Julie Unit eliciting task structures: verbal prompts for comparative measures
<b>RR02.12</b>	Session Chair: <b>Cristina Bardelle</b>
<b>G 108</b>	Ruthven, Kenneth; Hofmann, Riikka; Mercer, Neil A dialogic approach to plenary problem synthesis
<b>RR02.13</b>	Session Chair: <b>Mohammed Abdul Hussain</b>
<b>G 109</b>	McMullen, Jake A; Hannula-Sormunen, Minna M; Lehtinen, Erno Young children's spontaneous focusing on quantitative aspects and verbalizations of their quantitative reasoning
<b>RR02.14</b>	Session Chair: <b>Cameron Mitchell</b>
<b>G 111</b>	Chapman, Olive Prospective teachers' ways of making sense of mathematical problem posing
<b>RR02.15</b>	Session Chair: <b>George Richard Santi</b>
<b>G 208</b>	Kouropatov, Anatoli; Dreyfus, Tommy Constructing the concept of approximation
<b>RR02.16</b>	Session Chair: <b>Elizabeth Anne Warren</b>
<b>G 209</b>	Pang, JeongSuk What do prospective teachers analyze when they watch a mathematics lesson?

<b>3:30pm - 4:20pm</b>	<b>SHORT ORALS, SESSION 2</b>
<b>SO2.01</b>	Session Chair: <b>Elizabeth Mary de Freitas</b>
<b>G 107</b>	<p>Alvarenga, Karly Barbosa; Machado, Sílvia D. Alcântara  PME inequalities production: A survey  Filloy, Eugenio; Rojano, Teresa; Puig, Luis  Intertextuality in algebra. Empirical evidence concerning the solution of word problems and of linear equations systems  Linsell, Chris; Allan, Ros; Anakin, Megan  Emergent understandings of equivalence</p>
<b>SO2.02</b>	Session Chair: <b>Nadia Douek</b>
<b>G 108</b>	<p>Delikanlis, Panagiotis N  Intuition and dynamic geometry in proving algebraic statements  Karakok, Gulden  Exploring cognitive units for eigenvalues and eigenvectors  Rumsey, Chopina Witkowski  Elementary students' ability to modify and qualify mathematical claims</p>
<b>SO2.03</b>	Session Chair: <b>Tommy Dreyfus</b>
<b>G 109</b>	<p>Kutluk, Berna; Yeşildere, Sibel  Elementary mathematics teachers' knowledge of student difficulties in relation to generalising number patterns  Duarte, José; Brocardo, Joana  Developing algebraic thinking with ICT  Aslan, Rukiye; Yeşildere, Sibel  An action plan for the difficulties in generalising number patterns</p>
<b>SO2.04</b>	Session Chair: <b>Laurie Edwards</b>
<b>G 111</b>	<p>Chen, Hsiu-Fen; Hung, Li-Yu; Chen, Shu-Li; Lin, Su-Jan  The stabilities of mathematics underachievement in the elementary school  Sakonidis, Haralambos; Klothou, Anna  Primary teachers assessment of students' mathematical texts: An exploratory study  Pope, Sue  Is valid assessment of mathematics possible in England's centralised, regulated regime?</p>

<b>3:30pm - 4:20pm</b>	<b>SHORT ORALS, SESSION 2</b>
<b>SO2.05</b>	Session Chair: <b>Olimpia Figueras</b>
<b>G 208</b>	<p>Marschick, Franziska; Heinze, Aiso; Grüßing, Meike; Knopp, Eva Fostering the adaptive strategy use of German 3rd-graders: The case of indirect addition</p> <p>Bairral, Marcelo Almeida; Santos, Rafael Teixeira dos E-portfolio as a resource to improve learning in mathematics pre-service teacher</p> <p>Suriyon, Ariya; Sangaroon, Kiat; Inprasitha, Maitree Exploring students' metacognitive strategies during problem solving in a mathematics classroom using the open approach</p>
<b>SO2.06</b>	Session Chair: <b>Marcelo C. Borba</b>
<b>G 209</b>	<p>Lin, Yung-Chi; Chin, Chien; Chiu, Hsien-Yi Developing an instrument to capture high school mathematics teachers' specialized content knowledge: An exploratory study</p> <p>Saiz, Mariana; García, Rosa Ma.; Rivera, Antonio Cognitive cultural analysis of low achievement in TIMSS: Evaluating wrong answers in 8th grade</p> <p>Krzywacki, Heidi; Koistinen, Laura; Lavonen, Jari Assessment in Finnish mathematics education: Various ways, various needs</p>
<b>SO2.07</b>	Session Chair: <b>Shiva Gol Tabaghi</b>
<b>G 106</b>	<p>Semana, Sílvia Maria; Santos, Leonor Appropriation of assessment criteria by the students: Practice and reflection of a math teacher in a context of collaborative work</p> <p>Aysel, Tugba; O'Shea, Ann; Breen, Sinead An analysis of the types of questions asked on high-stakes examinations in Turkey and Ireland</p> <p>Hatararu, Vesife; Cetinkaya, Bulent Assessing students' listening skills: A case study</p>
<b>SO2.08</b>	Session Chair: <b>John Francisco</b>
<b>G 101</b>	<p>Ceia, Mário José Miranda Analysing mathematics examination questions</p> <p>Yamada, Atsushi Three Types of Transformation Patterns of Solver's Problem Representation Leading to Progress of Problem Solving</p> <p>Góes, Mariza Barcellos; David, Maria Manuela Soares The use and production of drawings in architecture and mathematics classrooms</p>

<b>SO2.09</b>	<b>Session Chair: Anne Berit Fuglestad</b>
<b>G 102</b>	<p>Assis, Cibelle Castro; Santos, Ednaldo Sena; Cabral, João Evangelista</p> <p>Teacher's knowledge, thinking and beliefs about dynamic geometry software in elementary school</p> <p>Hu, Cheng-Te; Tso, Tai-Yih</p> <p>Preparing teachers to teach mathematics with ict technology based on the framework of technological pedagogical content knowledge</p> <p>Lavicza, Zsolt; Kabaca, Tolga; Hohenwarter, Markus</p> <p>New challenges in developing dynamic mathematics software</p>
<b>SO2.10</b>	<b>Session Chair: Peter Gates</b>
<b>G 104</b>	<p>Trenholm, Sven; Alcock, Lara; Robinson, Carol</p> <p>Mathematics lecturing in the digital age</p> <p>Kose, Nilufer Yavuzsoy; Ozen, Deniz</p> <p>Investigating preservice teachers' geometric problem solving process in dynamic geometry environment</p> <p>Hegedus, Stephen; Brookstein, Arden; Dalton, Sara; Roschelle, Jeremy; Penuel, William; Fishman, Barry</p> <p>How important are teachers in the diffusion of an educational innovation?</p>
<b>3:30pm - 4:20pm EFA 10</b>	<b>Meeting- A.Doğanaksoy</b>
<b>4:20pm - 4:50pm I.I.B.F (B Binasi) / B Building</b>	<b>COFFEE BREAK</b>
<b>4:50pm - 5:30pm</b>	<b>RESEARCH REPORTS, SESSION 3</b>
<b>RR03.01</b>	<b>Session Chair: Julia Valls</b>
<b>EFA 14</b>	<p>Bernack, Carola; Holzäpfel, Lars; Leuders, Timo; Renkl, Alexander</p> <p>Development of qualitative and quantitative instruments to measure beliefs of pre-service teachers on mathematics</p>
<b>RR03.02</b>	<b>Session Chair: Funda Gonulates</b>
<b>EFA 10</b>	<p>Paterson, Judy Evelyn; Thomas, Mike; Taylor, Steve</p> <p>Reaching decisions via internal dialogue: Its role in a lecturer professional development model</p>
<b>RR03.03</b>	<b>Session Chair: Kyeong Hah Roh</b>
<b>G 107</b>	<p>Geraniou, Eirini; Mavrikis, Manolis; Hoyles, Celia; Noss, Richard</p> <p>Students' justification strategies on the equivalence of quasi-algebraic expressions</p>

<b>RR03.04</b>	Session Chair: <b>Rosa Ant3nia Tom3s Ferreira</b>
<b>EFA 13</b>	L3ken, Miriam M. School starters' early structure sense
<b>RR03.05</b>	Session Chair: <b>Ceneida Fernandez</b>
<b>EFA 15</b>	Gawlick, Thomas; Lange, Diemut General vs. mathematical giftedness as predictors of the problem solving competence of fifth-graders
<b>RR03.06</b>	Session Chair: <b>Sue Wilson</b>
<b>EFA 16</b>	Sinclair, Nathalie; Kaur, Harpreet Young children's understanding of reflectional symmetry in a dynamic geometry environment
<b>RR03.07</b>	Session Chair: <b>Margarida Maria Rodrigues</b>
<b>G 111</b>	Panorkou, Nicole; Pratt, Dave Using Google sketchup to research children's experience of dimension
<b>RR03.08</b>	Session Chair: <b>Erik Daniel Jacobson</b>
<b>G 101</b>	Dooley, Therese A. RBC epistemic actions and the role of vague language
<b>RR03.09</b>	Session Chair: <b>Michelle Cirillo</b>
<b>G 102</b>	Viirman, Olov Discursive Practices of Two University Teachers on the Concept of 'Linear Transformation'
<b>RR03.10</b>	Session Chair: <b>Adnan Baki</b>
<b>G 104</b>	Arzarelo, Ferdinando; Ascari, Marina; Baldovino, Chiara; Sabena, Cristina The teacher's activity under a phenomenological lens
<b>RR03.11</b>	Session Chair: <b>Persis Beaven</b>
<b>G 106</b>	Dvora, Tali; Dreyfus, Tommy Unjustified assumptions in geometry
<b>RR03.12</b>	Session Chair: <b>Zulbiye Toluk Ucar</b>
<b>G 209</b>	Kuntze, Sebastian; Lerman, Stephen; Murphy, Bernard; Kurz-Milcke, Elke; Siller, Hans-Stefan; Winbourne, Peter Development of pre-service teachers' knowledge related to big ideas in mathematics
<b>RR03.13</b>	Session Chair: <b>Bettina Dahl Soendergaard</b>
<b>G 108</b>	Spinillo, Alina Galvao Number sense in children: Understanding number as an operator when adding and subtracting

<b>RR03.14</b>	Session Chair: <b>Kristina M. Reiss</b>
<b>G 109</b>	Rott, Benjamin Problem solving processes of fifth graders: an analysis
<b>RR03.15</b>	Session Chair: <b>Olive Chapman</b>
<b>G 208</b>	Bayazit, Ibrahim; Aksoy, Yilmaz Belief and practice related to analogy use in teaching and learning mathematics
<b>5:40pm-6:20pm</b>	<b>RESEARCH REPORTS, SESSION 4</b>
<b>RR04.01</b>	Session Chair: <b>Harpreet Kaur</b>
<b>EFA 10</b>	Wilson, Sue Pre-service teacher action research using bibliotherapy to address mathematics anxiety.
<b>RR04.02</b>	Session Chair: <b>Shelley Dole</b>
<b>EFA 11</b>	Thomas, Michael O. J.; Yoon, Caroline Resolving conflict between competing goals in mathematics teaching decisions
<b>RR04.03</b>	Session Chair: <b>Foteini Moustaki</b>
<b>G 108</b>	Radford, Luis Embodiment, perception and symbols in the development of early algebraic thinking
<b>RR04.04</b>	Session Chair: <b>Jeongsuk Pang</b>
<b>EFA 13</b>	Warren, Elizabeth Anne; Miller, Jodie; Cooper, Tom J. Exploring young children's functional thinking
<b>RR04.05</b>	Session Chair: <b>Marina Ascari</b>
<b>EFA 15</b>	Gervasoni, Ann; Parish, Linda; Bevan, Kate; Croswell, Melissa; Hadden, Teresa; Livesey, Carole; Turkenburg, Kathie Exploring the mystery of children who read, write and order 2-digit numbers, but cannot locate 50 on a number line
<b>RR04.06</b>	Session Chair: <b>Mikio Miyazaki</b>
<b>G 111</b>	Palius, Marjory F.; Maher, Carolyn A. Teacher education models for promoting mathematical thinking
<b>RR04.07</b>	Session Chair: <b>Victoria Sanchez</b>
<b>G 106</b>	Olive, John Fractions on a dynamic number line
<b>RR04.08</b>	Session Chair: <b>Masakazu Okazaki</b>
<b>G 101</b>	Schubring, Gert Searching the roots of PME – the case of experimental pedagogy' in Germany

<b>5:40pm - 6:20pm</b>	<b>RESEARCH REPORTS, SESSION 4</b>
<b>RR04.09</b>	Session Chair: <b>Michela Maschietto</b>
<b>G 102</b>	Jukic, Ljerka; Dahl Soendergaard, Bettina University students' concept image and retention of the definite integral
<b>RR04.10</b>	Session Chair: <b>Toril Eskeland Rangnes</b>
<b>G 104</b>	Seffah, Rachid; González-Martín, Alejandro S. The concept of series in undergraduate textbooks: Tasks and representations
<b>RR04.11</b>	Session Chair: <b>Carlo Marchini</b>
<b>EFA 14</b>	Bingolbali, Ferhan; Bingolbali, Erhan; Ozmantar, Mehmet Fatih Two teachers and two different ways of handling students' difficulties during mathematical tasks implementation
<b>RR04.12</b>	Session Chair: <b>Vanessa Sena Tomaz</b>
<b>G 107</b>	Selden, John; Selden, Annie The role of procedural knowledge in mathematical reasoning
<b>RR04.13</b>	Session Chair: <b>Carola Bernack</b>
<b>G 209</b>	Martignone, Francesca Tasks for teachers in mathematics laboratory activities: A case study
<b>RR04.14</b>	Session Chair: <b>Chronis Kynigos</b>
<b>G 109</b>	Cirillo, Michelle "I'm like the sherpa guide": On learning to teach proof in school mathematics
<b>RR04.15</b>	Session Chair: <b>Francesca Ferrara</b>
<b>G 208</b>	Triantafillou, Chrissavgi Mathematical literacy skills in a workplace context: The case of reading and interpreting data
<b>6:30pm - 7:10pm</b>	<b>RESEARCH REPORTS, SESSION 5</b>
<b>RR05.01</b>	Session Chair: <b>Filyet Asli Iscimen</b>
<b>EFA 14</b>	Rach, Stefanie; Heinze, Aiso Studying mathematics at the university: The influence of learning strategies
<b>RR05.02</b>	Session Chair: <b>Diemut Lange</b>
<b>EFA 10</b>	Vollstedt, Maike On the classification of personal meaning: Theory-governed typology vs. empiricism-based clusters

<b>6:30pm - 7:10pm</b>	<b>RESEARCH REPORTS, SESSION 5</b>
<b>RR05.03</b>	Session Chair: <b>Sebastian Kuntze</b>
<b>EFA 11</b>	Toluk Ucar, Zulbiye; Yavuz, Birseli Elementary school students' intuitive understanding of the inequality signs
<b>RR05.04</b>	Session Chair: <b>Simin Sadat Chavoshi Jolfaei</b>
<b>EFA 13</b>	Beatty, Ruth Anne; Bruce, Catherine D.; McPherson, Rich Using computer-based instruction to support students with learning disabilities: Understanding linear relationships
<b>RR05.05</b>	Session Chair: <b>Eyup Sevimli</b>
<b>EFA 15</b>	Bausch, Isabell; Bruder, Regina; Prescott, Anne Personal constructs of planning mathematics lessons
<b>RR05.06</b>	Session Chair: <b>Kenneth Ruthven</b>
<b>G 104</b>	Maschietto, Michela Instrumental geneses in mathematics laboratory
<b>RR05.07</b>	Session Chair: <b>Tali Dvora</b>
<b>G 209</b>	Dogan, Hamide; Carrizales, Ruben; Beaven, Persis Metonymy and object formation: Vector space theory
<b>RR05.08</b>	Session Chair: <b>Harry Untamo Silfverberg</b>
<b>G 101</b>	Hendrikse, Petra; Cornet, Eric; Maes, Rianne; Verhoef, Nellie High school students' problems with infinity
<b>RR05.09</b>	Session Chair: <b>Barbara Jean Gilbert</b>
<b>G 102</b>	Stein, Mary Kay; Kaufman, Julia; Tekkumru-Kisa, Miray Curriculum as a lever for teacher improvement
<b>RR05.10</b>	Session Chair: <b>Shirly Azmon</b>
<b>G 111</b>	Rowland, Tim; Thwaites, Anne; Jared, Libby Triggers of contingency in mathematics teaching
<b>RR05.11</b>	Session Chair: <b>Fay Alison Turner</b>
<b>G 106</b>	Viholainen, Antti Critical features of formal and informal reasoning in the case of the concept of derivative
<b>RR05.12</b>	Session Chair: <b>Andreas Moutsios-Rentzos</b>
<b>G 107</b>	Leinonen, Jorma; Pehkonen, Erkki Teacher students' improvements in calculation and understanding in the case of division
<b>RR05.13</b>	Session Chair: <b>Francisco J. Moreno</b>
<b>G 108</b>	Prodromou, Theodosia Making connections between the sample space and the probability of an event

<b>6:30pm - 7:10pm</b>	<b>RESEARCH REPORTS, SESSION 5</b>
<b>RR05.14</b>	Session Chair: <b>Ibrahim Bayazit</b>
<b>G 109</b>	Antonini, Samuele; Martignone, Francesca Argumentation in exploring mathematical machines: A study on pantographs
<b>RR05.15</b>	Session Chair: <b>Jacqueline Sack</b>
<b>G 208</b>	Sanchez, Victoria; Garcia, Mercedes Socio-mathematical and mathematical norms in pre-service primary teachers' discourse

<b>TUESDAY, JULY 12, 2011</b>	
<b>9:00am - 10:30am</b>	<b>PLENARY ADDRESSES</b>
<b>KKM / Kemal KURDAŞ Hall</b>	Session Chair: <b>Joao-Pedro Da Ponte</b> K.Krainer <i>Teachers as stakeholders in mathematics education research</i> Reactor: M.Ohtani
<b>10:30am - 11:00am</b> <b>KKM / Big Foyer</b>	<b>COFFEE BREAK</b>
<b>11:20am - 12:10pm</b>	<b>SHORT ORALS, SESSION 3</b>
<b>SO03.01</b>	Session Chair: <b>Celia Hoyles</b>
<b>G 208</b>	Zapata-Cardona, Lucia Teachers' attitudes toward statistics Watanabe, Keiko Procedure and explanation in mathematical problem-solving Barmby, Patrick William; Johnson, Sarah Primary pupils' difficulties with fractions: A representational view
<b>SO03.02</b>	Session Chair: <b>Bat-Sheva Ilany</b>
<b>EFA 10</b>	Morera, Laura; Fortuny, Josep M.; Gutierrez, Angel Duality among teaching and learning: Key teaching and learning moments Häikiöniemi, Markus; Leppäaho, Henry Do geogebra-solutions need to be justified? – Teachers' levels of guidance Pinto, Marcia; Nora, Gislene Designing settings for distance learning of mathematics
<b>SO3.03</b>	Session Chair: <b>Barbara Jaworski</b>
<b>G 111</b>	Boonlerts, Suttharat The development of multiplication concept in open approach and lesson study Kabael, Tangül Students' construction of limit concept Kongthip, Yanin Mathematical communication by gesture: Area task
<b>SO03.04</b>	Session Chair: <b>Teresa Rojano</b>
<b>EFA 13</b>	Demir, Ozcan; Ayeligne, Amdeberhan Students' understanding of the limit concept Kula, Fulya; Ören Vural, Duygu Students' conceptions of continuity: A conceptual change approach Ufer, Stefan Problem solving in geometry - competencies in complex calculation and proof

<b>11:20am - 12:10pm</b>	<b>SHORT ORALS, SESSION 3</b>
<b>SO03.05</b>	<b>Session Chair: Gerald Alan Goldin</b>
<b>EFA 15</b>	<p>Akkoç, Hatice; Katmer, Vildan Pre-service mathematics teachers' concept images of <math>\pi</math> Winbourne, Peter; Lerman, Steve Methodological issues in researching big ideas in smk &amp; pck Yetkin Ozdemir, I. Elif; Ay, Zeynep Sonay; Akkuş İspir, Oylum What do activities designed by pre-service teachers tell us about their competency in teaching middle school mathematics?</p>
<b>SO3.06</b>	<b>Session Chair: Markku Hannula</b>
<b>EFA 11</b>	<p>Soares, Eduardo Sarquis Learning in geometry classes for children Bas, Sinem; Erbas, Ayhan Kursat; Saglam, Yasemin Investigating preservice mathematics teachers' modeling processes Schär, Patricia Intuitive area estimation and its relationship to numeric multiplication skills</p>
<b>SO3.07</b>	<b>Session Chair: Stephen Hegedus</b>
<b>G 209</b>	<p>Bansilal, Sarah; Goba, Barbara Busisiwe; Schroeder, Thomas Exploring teachers' understanding of problems using the normal distribution. Kullberg, Angelika Exploring students' learning of fractions Koç, Yusuf; Bozkurt, Ali Evaluating pre-service mathematics teachers' comprehension level of geometric concepts</p>
<b>SO3.08</b>	<b>Session Chair: Aiso Heinze</b>
<b>G 101</b>	<p>Hansson, Orjan Creating opportunities for prospective teachers to reflect on conceptual relations Watarai, Yohei An analysis of symbolic representations expressing situations of multiplication and division in elementary school mathematics Pessoa, Cristiane; Borba, Rute Elizabete An analysis of primary to high school students' strategies in combinatorial problem solving</p>

<b>11:20am - 12:10pm</b>	<b>SHORT ORALS, SESSION 3</b>
<b>SO3.09</b>	<b>Session Chair: Carolyn Kieran</b>
<b>G 102</b>	<p>Tomás Ferreira, Rosa Antónia; Santos, Leonor; Martinho, Maria Helena; Amado, Nélia; Canavarro, AnaPaula; Pinheiro, Alexandra; Santos, Elvira; Pires, Manuela</p> <p>The plan of mathematics and the new mathematics program: Two projects of given hands</p> <p>Kim, Gooyeon; Kim, Min Kyeong; Kim, Rae Young</p> <p>How mathematics curriculum materials of Korea and the USA support reform</p> <p>Bulut, Mehmet; Akçakin, Veysel</p> <p>Mathematical thinking of preservice elementary mathematics teachers about concept of functions</p>
<b>SO3.10</b>	<b>Session Chair: Konrad Krainer</b>
<b>G 104</b>	<p>Karakaya, ilyas; Basturk, Savas</p> <p>Nature of images and pictures in Turkish mathematics textbooks</p> <p>Lo, Ruei-chang; Tan, Ning-Chun; Chin, Erh-Tsung</p> <p>Designing the teaching program on “estimates” for improving 4th graders’ computation ability</p> <p>Tzekaki, Marianna; Kliapis, Petros</p> <p>Strategies in early spatial reasoning</p>
<b>SO3.11</b>	<b>Session Chair: Heidi Krzywacki</b>
<b>G 106</b>	<p>Ho, Siew Yin; Yeap, Ban Har</p> <p>Development of visualization skills in Singapore primary school mathematics textbooks</p> <p>Chen, Tzu-Liang; Wu, Der-bang; Ma, Hsiu-Lan; Sheu, Tian-Wei</p> <p>The passings rate of the van hiele level of geometrical reasoning</p> <p>Chen, Jian-Cheng; Lin, Fou-Lai; Hsu, Hui-Yu; Yang, Kai-Lin</p> <p>A framework for evaluating thinking of teachers in designing task sequences</p>
<b>SO3.12</b>	<b>Session Chair: Maïke Vollstedt</b>
<b>G 107</b>	<p>Yetkiner, Zeynep Ebrar; Ozel, Serkan</p> <p>Equity in access to qualified mathematics teachers</p> <p>Planas, Nuria</p> <p>Bilingual students writing about language identity and mathematical participation</p> <p>Leu, Yuh-Chyn; Wen, Shih-Chan</p> <p>The mathematics learning journey of a twice-exceptional student</p>

<b>SO3.13</b>	<b>Session Chair: Orit Zaslavsky</b>
<b>G 108</b>	Karahasan, Burcu; Ubuz, Behiye Pre-service teachers subject matter knowledge: The case of composite and inverse functions Chen, Ching-Shu The study of teaching composition of geometrical figures for children Hsieh, Kai-ju Third graders' performances on number sentences and word Problems of the concept equality
<b>SO3.14</b>	<b>Session Chair: Tom Lowrie</b>
<b>G 109</b>	Bayık, Fadime; Argün, Ziya The effects of eleventh grade students' geometric reasoning processes on their representations Gruessing, Meike Spatial abilities and mathematics achievement among elementary school children G. Alaylı, Funda; Turnuklu, Elif Sixth grade primary students' thinking about geometric composition
<b>12:20pm - 1:00pm</b>	<b>RESEARCH REPORTS, SESSION 6</b>
<b>RR06.01</b>	<b>Session Chair: Samuele Antonini</b>
<b>EFA 13</b>	Hansson, Orjan Prospective teachers' reasoning on linear and quadratic functions: A case study
<b>RR06.02</b>	<b>Session Chair: Theodossios Zachariades</b>
<b>EFA 10</b>	Bruce, Catherine D.; Flynn, Tara; Ross, John; Moss, Joan Promoting teacher and student mathematics learning through Lesson Study: A design research methodology
<b>RR06.03</b>	<b>Session Chair: Minoru Ohtani</b>
<b>EFA 11</b>	Silvestre, Ana Isabel; Ponte, João Pedro Missing value and comparison problems: what pupils know before the teaching of proportion
<b>RR06.04</b>	<b>Session Chair: Tom Lowrie</b>
<b>G 111</b>	Magiera, Marta T.; van den Kieboom, Leigh; Moyer, John Relationships among features of pre-service teachers' algebraic thinking
<b>RR06.05</b>	<b>Session Chair: Erhan Bingolbali</b>
<b>EFA 15</b>	Deliyianni, Eleni; Michael, Paraskevi; Monoyiou, Annita; Gagatsis, Athanasios; Elia, Iliada A composite model of students' geometrical figure understanding

<b>12:20pm - 1:00pm</b>	<b>RESEARCH REPORTS, SESSION 6</b>
<b>RR06.06</b>	Session Chair: <b>Gareth Lewis</b>
<b>EFA 16</b>	Latsi, Maria; Kynigos, Chronis Meanings about dynamic aspects of angle while changing perspectives in a simulated 3d space
<b>RR06.07</b>	Session Chair: <b>Keiko Hino</b>
<b>EFA 14</b>	Okazaki, Masakazu Fifth graders' arguments fostered in the learning of inclusion relations between geometric figures
<b>RR06.08</b>	Session Chair: <b>Jose Guzman-Hernandez</b>
<b>G 101</b>	Tomaz, Vanessa Sena; David, Maria Manuela Classroom activity promoting students' learning about the use of drawings in geometry
<b>RR06.09</b>	Session Chair: <b>Therese A. Dooley</b>
<b>G 102</b>	Jacobson, Erik Daniel; Singletary, Laura Marie; de Araujo, Zandra Ursula Mathematical processes and U.S. secondary teachers' conceptions of integrated mathematics curricula
<b>RR06.10</b>	Session Chair: <b>Petra Hendrikse</b>
<b>G 104</b>	Silfverberg, Harry Untamo Structural elements in collections of different types of functions recalled by student teachers
<b>RR06.11</b>	Session Chair: <b>Merrilyn Goos</b>
<b>G 106</b>	Barnby, Patrick William; Milinkovic, Jasmina Pre-service teachers' use of visual representations of multiplication
<b>RR06.12</b>	Session Chair: <b>Jorma Leinonen</b>
<b>G 107</b>	Moutsios-Rentzos, Andreas An investigation of the thinking styles development of university mathematics students
<b>RR06.13</b>	Session Chair: <b>Osama Swidan</b>
<b>G 108</b>	Chernoff, Egan J; Russell, Gale L. An investigation of relative likelihood comparisons: The composition fallacy
<b>RR06.14</b>	Session Chair: <b>Mimi Park</b>
<b>G 109</b>	Andra', Chiara; Coppola, Cristina; Pacelli, Tiziana A model for describing reasoning in logical tasks
<b>RR06.15</b>	Session Chair: <b>Nava Gilboa</b>
<b>G 208</b>	Gade, Sharada Students' meaning making in a collaborative classroom practice as initiated by two teachers

<b>RR06.16</b>	Session Chair: <b>Antti Viholainen</b>
<b>G 209</b>	Turner, Fay Alison Mathematical content knowledge revealed through the Foundation dimension of the KQ
<b>1:10pm - 2:30pm Main Cafeteria</b>	<b>LUNCH</b>
<b>2:00pm - 2:30pm KKM / Hall A</b>	<b>Policy Meeting</b>
<b>2:40pm - 3:20pm</b>	<b>RESEARCH REPORTS, SESSION 7</b>
<b>RR07.01</b>	Session Chair: <b>Mary Kay Stein</b>
<b>EFA 14</b>	Gilbert, Barbara Jean; Gilbert, Michael James Developing effective sociomathematical norms in classrooms to support mathematical discourse
<b>RR07.02</b>	Session Chair: <b>Orjan Hansson</b>
<b>EFA 10</b>	Hahkioniemi, Markus Teacher's experiences of a geogebra enriched inquiry mathematics teaching unit
<b>RR07.03</b>	Session Chair: <b>John Olive</b>
<b>EFA 11</b>	Hino, Keiko Students' uses of tables in learning equations of proportion: A case study of a seventh grade class
<b>RR07.04</b>	Session Chair: <b>Luis Radford</b>
<b>EFA 13</b>	Marchini, Carlo; Papadopoulos, Ioannis Are useless brackets useful tools for teaching?
<b>RR07.05</b>	Session Chair: <b>Ann Gervasoni</b>
<b>EFA 15</b>	Michael, Paraskevi; Gagatsis, Athanasios; Lamprianou, Iasonas; Deliyianni, Eleni; Monoyiou, Annita Construct validity of a developmental assesment on geometrical figure understanding: A rasch model analysis
<b>RR07.06</b>	Session Chair: <b>Paola Iannone</b>
<b>EFA 16</b>	Challis, Neil; Jarvis, Daniel; Lavicza, Zsolt; Monaghan, John Software used in a mathematics degree
<b>RR07.07</b>	Session Chair: <b>Susan Ellen McDonald</b>
<b>G 111</b>	Moore-Russo, Deborah; Mudaly, Vimolan South African teachers' common content knowledge of gradient
<b>RR07.08</b>	Session Chair: <b>Solange Amato</b>
<b>G 101</b>	Huang, Hsin-Mei E. Fostering children's mathematical understanding of area measurement

<b>2:40pm - 3:20pm</b>	<b>RESEARCH REPORTS, SESSION 7</b>
<b>RR07.09</b>	Session Chair: <b>Judy Evelyn Paterson</b>
<b>G 102</b>	Gonulates, Funda; Males, Lorraine Textual expression of area measurement in elementary curricula: Illuminating opportunities to learn
<b>RR07.10</b>	Session Chair: <b>Simon Peter Morgan</b>
<b>G 104</b>	Ferrara, Francesca; Savioli, Ketty Young students thinking about motion graphs
<b>RR07.11</b>	Session Chair: <b>Erik Daniel Jacobson</b>
<b>G 106</b>	Bardelle, Cristina Students' understanding of the negation of statements with universal quantifier
<b>RR07.12</b>	Session Chair: <b>Maike Vollstedt</b>
<b>G 107</b>	Santi, Giorgio; Andra', Chiara A semiotic characterization of intuitions
<b>RR07.13</b>	Session Chair: <b>Miriam M. Lüken</b>
<b>G 108</b>	Quintas, Sandra Maria; Tomás Ferreira, Rosa Antónia; Oliveira, Hélia Margarida Didactical knowledge in statistics: A study with secondary teachers
<b>RR07.14</b>	Session Chair: <b>Stefanie Rach</b>
<b>G 109</b>	Iscimen, Filyet Asli Preservice middle school teachers' beliefs about the place of proof in school mathematics
<b>RR07.15</b>	Session Chair: <b>John Selden</b>
<b>G 208</b>	Güven, Bulent; Okumus, Samet 8 <sup>th</sup> grade Turkish students' van Hiele levels and classification of quadrilaterals
<b>RR07.16</b>	Session Chair: <b>Diemut Lange</b>
<b>G 209</b>	Erbilgin, Evrim; Fernandez, Maria L. Supervisory knowledge and practices of a mathematics cooperating teacher in a supervision program
<b>3:30pm - 5:00pm</b>	<b>DISCUSSION GROUPS, SESSION 1</b>
<b>DG01.01</b>	Jorgensen, Robyn; Lowrie, Tom; Gates, Peter
<b>G 208</b>	Digital games: New potential for mathematics
<b>DG01.02</b>	Ejersbo, Lisser Rye; Leron, Uri
<b>G 102</b>	Intuitive and analytical thinking: Working to bridge the gap
<b>DG01.03</b>	Lesh, Richard; Baş, Sinem; Türker, Belma; Aygün, Berna; Ader, Engin; Özel, Serkan; Sriraman, Bharath
<b>G 109</b>	Models and modeling

<b>3:30pm - 5:00pm</b>	<b>DISCUSSION GROUPS, SESSION 1</b>
<b>DG01.04</b>	Simon, Martin; Koellner, Karen
<b>G 106</b>	Preparing novice researchers to do high-quality qualitative research in mathematics education
<b>DG01.05</b>	Boero, Paolo; Douek, Nadia; Radford, Luis
<b>EFA 13</b>	Students' cultural identity and mathematics instruction in global times
<b>DG01.06</b>	Ozgun-Koca, S. Asli; Olkun, Sinan; LaFerla, Vivian
<b>G 108</b>	Technology in mathematics education: Different kinds and levels of experimentation
<b>DG01.07</b>	Bolite Frant, Janete; Hanna, Haydar
<b>EFA 11</b>	The challenge of including learners with special educational needs in school mathematics
<b>DG01.08</b>	Cockburn, Anne D.
<b>EFA 10</b>	Working with less successful teachers
<b>3:30pm - 5:00pm</b>	<b>WORKING GROUPS, SESSION 1</b>
<b>WG01.01</b>	Hegedus, Stephen; Gucler, Beste; Lesh, Richard; Mousoulides, Nicholas
<b>G 101</b>	Creativity and modeling
<b>WG01.02</b>	Nardi, Elena; Iannone, Paola; Pinto, Marcia
<b>G 107</b>	Exploring the transition to and within university mathematics from different perspectives
<b>WG01.03</b>	Edwards, Laurie; Frant, Janete Bolite; Robutti, Ornella; Radford, Luis
<b>G 104</b>	Gesture, multimodality and embodiment in mathematics
<b>WG01.04</b>	Batarce, Marcelo Salles; Mattos, Adriana; Escher, Marco; Lerman, Steve
<b>G 209</b>	Mathematics education and society
<b>WG01.05</b>	Goos, Merrilyn; Chapman, Olive; Brown, Laurinda; Novotna, Jarmila
<b>G 111</b>	The learning and development of mathematics teacher educator-researchers
<b>5:00pm - 5:30pm</b> <b>I.I.B.F (B Binasi)</b> <b>/ B Building</b>	<b>COFFEE BREAK</b>
<b>5:30pm - 6:20pm</b> <b>EFA 10</b>	<b>Meeting- J.Ainley</b>

<b>5:30pm - 6:20pm</b>	<b>SHORT ORALS, SESSION 4</b>
<b>SO4.01</b>	<b>Session Chair: John Monaghan</b>
<b>G 209</b>	<p>Srichompoo, Somkuan</p> <p>Promoting student's geometrical thinking: A case study of the internship mathematics student teacher's teaching practices</p> <p>Aslan-Tutak, Fatma</p> <p>Addressing preservice teachers' needs of geometry content knowledge: A qualitative study to transform theory into practice</p> <p>Garuti, Rossella</p> <p>A task on Scheiner pantograph: A case study</p>
<b>SO4.02</b>	<b>Session Chair: Elena Nardi</b>
<b>EFA 15</b>	<p>Akkurt, Zeynep; Smith, Glenn G.; Olkun, Sinan</p> <p>How do different levels of causation affect students' performance in word problem solving?</p> <p>Kageyama, Kazuya</p> <p>Development of student's ability to construct unit(s) for tessellating a plane with figures</p> <p>Rafiepour Gatabi, Abolfazl</p> <p>The role of generalization in modeling cycle</p>
<b>SO4.03</b>	<b>Session Chair: Richard Noss</b>
<b>G 111</b>	<p>Hidiroğlu, Çağlar Naci; Tekin, Ayşe; Bukova-Güzel, Esra</p> <p>The analysis of prospective teachers' thought processes in the mathematical modelling through a designed fermi problem</p> <p>Türker, Belma; Lesh, Richard; Umay, Aysun; Özyıldırım, Feride; Akkuş İspir, Oylum; Alkaş, Çiğdem; Yetkin Özdemir, Elif; Şengil Akar, Şeyma; Kayhan Altay, Mesture; Ay, Zeynep Sonay</p> <p>Seventh grade students' mathematical thinking and representations in model-eliciting activities</p> <p>Siller, Hans-Stefan; Kuntze, Sebastian; Vogl, Christiane</p> <p>Modelling as a big idea in mathematics – knowledge and views of pre-service and in-service teachers</p>
<b>SO4.04</b>	<b>Session Chair: John Olive</b>
<b>EFA 13</b>	<p>Chang, Ching-kuch; Yu, Yi-Chen</p> <p>Mathematics teachers' realization of model-eliciting activities</p> <p>Eraslan, Ali</p> <p>Mathematical modeling in the middle school: Students' modeling processess</p> <p>Kertil, Mahmut; Didiş, M. Gözde; Erbaş, A.Kürşat; Çetinkaya, Bülent</p> <p>Investigating pre-service teachers' understanding of rate of change and derivative graphs through a model development sequence</p>

<b>5:30pm - 6:20pm</b>	<b>SHORT ORALS, SESSION 4</b>
<b>SO4.05</b>	<b>Session Chair: Angel Gutierrez</b>
<b>G 208</b>	<p>Glasmachers, Eva; Griese, Birgit; Kallweit, Michael; Roesken, Bettina</p> <p>Supporting engineering students in mathematics</p> <p>Akkus, Recai</p> <p>Resistance to change in teacher pedagogy</p> <p>Chen, Hsing-Me</p> <p>A study on children's data variation concepts using scenario-based interview</p>
<b>SO4.06</b>	<b>Session Chair: Mehmet Fatih Ozmantar</b>
<b>EFA 11</b>	<p>Yazgan, Yeliz; Arslan, Cigdem</p> <p>Relationship between usage levels of "looking for a pattern" and "simplifying the problem" strategies</p> <p>Celebioglu, Burcu</p> <p>Process of construction of the knowledge on division to decimal places at fourth grade level</p> <p>Erduran, Ayten; Tataroğlu, Berna; Alkan, Hüseyin</p> <p>Pre-service teachers' views on mathematical thinking process</p>
<b>SO4.07</b>	<b>Session Chair: Jeongsuk Pang</b>
<b>G 102</b>	<p>Russell, Gale Louise; Chernoff, Egan J</p> <p>Logical fallacies in reasons for a correct choice</p> <p>Subramaniam, K</p> <p>Connecting to the folk mathematical culture through puzzles</p> <p>Suttiamporn, Wipaporn</p> <p>Changing in thai school: From traditional to creative classroom</p>
<b>SO4.08</b>	<b>Session Chair: Erkki Pehkonen</b>
<b>G 101</b>	<p>Lerman, Stephen; Winbourne, Peter</p> <p>Big ideas in smk &amp; pck: A rationale</p> <p>Ader, Engin</p> <p>An ethnographic study of mathematics teachers' promotion of metacognition from a constructivist perspective</p> <p>Coles, Alf</p> <p>A case study of metacognitive instruction</p>
<b>SO4.09</b>	<b>Session Chair: Marcia Pinto</b>
<b>EFA 14</b>	<p>Montone, Antonella</p> <p>The barter market: The measurement concept in kindergartens</p> <p>Alpaslan, Mustafa; Işıksal, Mine; Haser, Çiğdem</p> <p>Development of knowledge test on the history of mathematics</p> <p>Kurt, Gönül; Çakıroğlu, Erdinç; Haser, Çiğdem</p> <p>Self-regulated learning strategies of prospective mathematics teachers in relation to their self-reflective thoughts</p>

<b>5:30pm - 6:20pm</b>	<b>SHORT ORALS, SESSION 4</b>
<b>SO4.10</b>	<b>Session Chair: Malcolm Swan</b>
<b>G 104</b>	<p>Lien, Wen-Hung; Hung, Li-Yu; Chuang, Hui-Ting The profiles of arithmetic abilities between math disabilities with and without reading disabilities in secondary school</p> <p>Suthisung, Nisara; Sangaroon, Kiat 'How to' in the students' abstraction process through compression to thinkable concept</p> <p>Kadroon, Thanya; Inprasitha, Maitree The influence of teacher's values about teaching mathematics implementing lesson study and open approach on Thai classroom</p>
<b>SO4.11</b>	<b>Session Chair: Anne Prescott</b>
<b>G 106</b>	<p>Son, Ji-Won; Matheny, Ellen Preservice teachers' responses to students' strategies in whole number subtraction</p> <p>Mendes, Maria de Fátima; Brocardo, Joana Maria; Oliveira, Hélia Margarida Evolution of pupils' mathematical procedures to solve multiplication tasks</p> <p>Nóbrega, Giselda Magalhães Moreno; Falcão, Jorge Tarcísio da Rocha Difficulties in teaching statistics to undergraduate students of psychology</p>
<b>SO4.12</b>	<b>Session Chair: Kristina M. Reiss</b>
<b>G 107</b>	<p>Cadet, Élysée Robert The role of concrete materials in arithmetic problem-solving at the primary level: A microgenetic analysis</p> <p>Henriques, Ana Cláudia Correia Batalha Supporting Problem Posing through investigation activities</p> <p>Andrade, Silvanio de Mathematics teaching and learning via problem solving, exploration, coding and decoding</p>
<b>SO4.13</b>	<b>Session Chair: Tim Rowland</b>
<b>G 108</b>	<p>Pelczer, Ildikó; Singer, Florence Mihaela; Voica, Cristian An analysis of relevant hints in problem solving</p> <p>Boavida, Ana-Maria Roque The dynamics of argumentation in mathematics classroom: A collaborative research project</p> <p>Gholmazed, Soheila Proof as a means to communicate mathematical knowledge</p>

<b>SO4.14</b>	Session Chair: <b>Hatice Akkoc</b>
<b>G 109</b>	Nikoloudakis, Emmanouil; Choustoulakis, Emmanouil A strategy to improve novice students' proof competence Chico, Judit; Planas, Núria Question-answer, validation and follow-up in lessons of mathematics Ho, Siew Yin Effective mathematics learning in two Singapore primary classrooms: Negotiation of values
<b>5:30pm - 6:20pm</b>	<b>AS1: AdHoc Session 1</b>
<b>6:30pm - 7:10pm</b>	<b>RESEARCH REPORTS, SESSION 8</b>
<b>RR08.01</b>	Session Chair: <b>Michael Gilbert</b>
<b>EFA 16</b>	Hannula, Markku S.; Laakso, Jenni The structure of mathematics related beliefs, attitudes and motivation among Finnish grade 4 and grade 8 students
<b>RR08.02</b>	Session Chair: <b>Zulfiye Zeybek</b>
<b>EFA 10</b>	Ng, Dicky; Anderson, Katie Cognitive empathy and mathematics teaching
<b>RR08.03</b>	Session Chair: <b>Athanasios Gagatsis</b>
<b>EFA 11</b>	Guzman-Hernandez, Jose Simplification of rational algebraic expressions in a cas environment: A technical-theoretical approach
<b>RR08.04</b>	Session Chair: <b>Wee Tiong Seah</b>
<b>EFA 13</b>	Fritzlar, Torsten; Karpinski-Siebold, Nadja Algebraic thinking of primary students
<b>RR08.05</b>	Session Chair: <b>Craig James Cullen</b>
<b>EFA 15</b>	Özdemir, Ahmet Şükrü; Tekin, Emine Gülen Effects of formative assessment in mathematics education
<b>RR08.06</b>	Session Chair: <b>Hsin-Mei E. Huang</b>
<b>G 111</b>	Lagrange, Jean-baptiste Working with teachers: Innovative software at the boundary between research and classroom
<b>RR08.07</b>	Session Chair: <b>Beste Gucler</b>
<b>EFA 14</b>	Amato, Solange Ratio: A neglected division at schools
<b>RR08.08</b>	Session Chair: <b>Evrin Erbilgin</b>
<b>G 101</b>	Baki, Adnan; Baki, Müjgan; Arslan, Selahattin Prospective primary school teachers' knowledge of their students: The case of mathematics

<b>6:30pm - 7:10pm</b>	<b>RESEARCH REPORTS, SESSION 8</b>
<b>RR08.09</b>	Session Chair: <b>Martin Simon</b>
<b>G 102</b>	Ellemor-Collins, David; Wright, Robert J Unpacking mathematisation: An experimental framework for arithmetic instruction
<b>RR08.10</b>	Session Chair: <b>Margot Berger</b>
<b>G 104</b>	Spyrou, Panagiotis; Zagorianakos, Andonis Distinction between function and relation: A research study on pupils, students and teachers
<b>RR08.11</b>	Session Chair: <b>C Miguel Ribeiro</b>
<b>G 106</b>	Wille, Annika Activation of inner mathematical discourses of students about fractions with the help of imaginary dialogues: A case study
<b>RR08.12</b>	Session Chair: <b>Chiara Andra'</b>
<b>G 107</b>	Park, Mimi; Ko, Eun-Sung; Lee, Dong-Hwan; Lee, Kyeong-Hwa Mathematically gifted students' analogy in statistics
<b>RR08.13</b>	Session Chair: <b>Kotaro Komatsu</b>
<b>G 108</b>	Shin, BoMi An analysis of teachers' pedagogical content knowledge on probability
<b>RR08.14</b>	Session Chair: <b>Nicole Panorkou</b>
<b>G 208</b>	Rodrigues, Margarida Maria; Matos, João Filipe Proof in classroom social practice
<b>RR08.15</b>	Session Chair: <b>Silvia Alatorre</b>
<b>G 209</b>	Menezes, Luís Collaborative research as a strategy of professional development of teachers
<b>RR08.16</b>	Session Chair: <b>Patrick William Barmby</b>
<b>G 109</b>	Goos, Merrilyn; Geiger, Vince; Dole, Shelley Teachers' personal conceptions of numeracy
<b>7:30pm - 9:00pm KKM</b>	<b>Happy Hour</b>

WEDNESDAY, JULY 13, 2011	
9:00am - 10:30am	PANEL
KKM / Kemal KURDAŞ Hall	Convenor: Olive Chapman <i>Supporting the development of mathematical thinking</i>
10:30am-11:00am KKM / Big Foyer	COFFEE BREAK
11:00am - 12:00pm	NP: NATIONAL PRESENTATION
KKM / Kemal KURDAS Hall	Session Chair: <b>Behiye Ubuz</b>
	Ubuz, Behiye; Çakıroğlu, Erdinç; Erbaş, Ayhan Kürşat <i>A survey of mathematics education doctoral programs in Turkey</i>
	Ubuz, Behiye; Kazak, Sibel; Akkoç, Hatice; Özmantar, Mehmet Fatih <i>Mathematical thinking research by Turkish community</i>
	Ubuz, Behiye; Toluk Uçar, Zülbiye <i>Mathematics teacher education in Turkey</i>
11:00am-12:00pm KKM / Big Foyer	POSTER PRESENTATION, SESSION 1
PP1	Hagen, Pamela Anne Through the lens of imaginative education - An affective view of student engagement
PP2	Chen, Yu-Ling; Chen, Po-Yi; Chen, Kaung-Hsung; Chen, Hsing-Me A study on the performance and strategies of problem solving in spatial symmetry for primary schools teachers
PP3	Bruder, Regina Working with functions – development and empirical examination of a competence structure model (Heureka)
PP4	Kuntze, Sebastian Views of mathematics teachers about modelling tasks
PP5	Pope, Sue Using origami to support the learning of mathematics
PP6	Wolfmeyer, Mark R US national math advisory panel's social network
PP7	Hatisaru, Vesife; Figueiredo, Miguel Turkish and Portuguese vocational high school students' perceptions on algebra
PP8	Yao, Ju-Fen Tribal classroom: Creating math environments for indigenous children

11:00am-12:00pm	POSTER PRESENTATION, SESSION 1
<b>PP9</b>	Mestre, Célia Maria To generalize and symbolize using relational and functional thinking in grade 4
<b>PP10</b>	Bangtho, Katanyuta The teacher's roles in planning the lessons promoted analytical thinking
<b>PP11</b>	Suthisung, Nisara; Sangaroom, Kiat The students' process of abstraction based on action in compression to thinkable concept of blending embodiment and symbolism under context using lesson study and open approach
<b>PP12</b>	Dede, Yüksel; Uysal, Figen The relationship between the beliefs about the nature and teaching of mathematics of the prospective elementary teachers
<b>PP13</b>	Ninose, Yuri; Ono, Yoko The relation between mathematical ability and the metacognition
<b>PP14</b>	Ada, Tuba; Köse, Nilufer Yavuzsoy The pre-service teachers' understanding of taxicab geometry
<b>PP15</b>	Lin, Su-Wei The investigation of the senior high school students' statistical literacy
<b>PP16</b>	de Freitas, Elizabeth Mary The functional grammar of mathematics classroom discourse
<b>PP17</b>	Altıntaş, Esra; Özdemir, Ahmet Şükrü The effect of teaching mathematics by using activities according to purdue model on the attitudes of non-gifted students
<b>PP18</b>	Mattos, Adriana Cesar; Abdounur, Oscar João The development of the university mathematics thinking in Brazil
<b>PP19</b>	Yang, Der-Ching; Li, Mao-Neng; Yu, Ming-Chieh The development and application of number sense three-tier test for fourth graders
<b>PP20</b>	Lu, Feng-Lin; Hsu, Chi-Chiang; Lei, Kin-Hang; Tso, Tai-Yih The design of learning environments: Dynamically linked multiple representations of complex multiplication
<b>PP21</b>	Hıdıroğlu, Çağlar Naci; Tekin, Ayşe; Kula, Semiha The analysis of the designed the Eşme Carpet problem's solutions through 7-stage mathematical modelling process
<b>PP22</b>	Kanellos, Ioannis; Nardi, Elena; Biza, Irene Tendencies towards deductive reasoning in secondary students' pre-proof ideas: A Greek case

<b>11:00am-12:00pm POSTER PRESENTATION, SESSION 1</b>	
<b>PP23</b>	Wetbunpot, Kanjana Teacher's listening to student voices in mathematics classroom
<b>PP24</b>	Delgado, Catarina Raquel; Brocardo, Joana Maria; Oliveira, Hélia Margarida Teachers' practices and number sense development in elementary school
<b>PP25</b>	Mårtensson, Pernilla Jeen Teachers' common knowledge production
<b>PP26</b>	Nunes, Cláudia Canha; Ponte, João Pedro Teachers managing the mathematics' curriculum
<b>PP27</b>	Conner, AnnaMarie; Gleason, Brian W.; Singletary, Laura M. Teacher support for collective argumentation
<b>PP28</b>	Jai-on, Julaluk Student's mathematical creativity in open approach
<b>PP29</b>	Mendes, Maria de Fátima; Brocardo, Joana Maria; Oliveira, Hélia Margarida Students' procedures on multiplication tasks
<b>PP30</b>	Carvalho, Liliane M. Teixeira Lima; Monteiro, Carlos; Gomes, Luiz Fernando Students' difficulties in direct and inverse inferences involved in global interpretation of graphs
<b>PP31</b>	Wang, Chih-Yeuan; Lin, Yung-Sen Reconsidering the category framework for describing mathematics teachers' values
<b>PP32</b>	Branco, Neusa Cristina Prospective teacher working with sequences
<b>PP33</b>	Duatepe Paksu, Asuman; Iymen, Esra; Pakmak, Gülsinem Preservice elementary teachers' perceptions about parallelogram
<b>PP34</b>	Taylan, R. Didem Perceptions of teachers' use of mathematics curriculum materials
<b>PP35</b>	Russell, Gale Louise Occurrences of polysemes in western school mathematics: Differences between western and first nations cultures
<b>PP36</b>	Aydın Ünal, Zeynep; Albayrak, Mustafa; İpek, A. Sabri Multiple representations of fractions: Performance and beliefs of elementary students
<b>PP37</b>	Barcelos Amaral, Rúbia Multimedia material in classroom: Mathematics teachers' perceptions

<b>11:00am - 12:00pm</b>	<b>POSTER PRESENTATION, SESSION 1</b>
<b>PP38</b>	Rumsey, Chepina Witkowski Modifying toulmin's model of argumentation to represent elementary students' arguments
<b>PP39</b>	Hirabayashi, Mai Modelling for concept formation of proportion: A perspective of realistic mathematics education
<b>PP40</b>	Carrapiço, Renata Carvalho Mental computation with rational numbers: An experience with grade 6 pupils
<b>PP41</b>	SANSANOH, Kawissara Mathematical creativity in problem solving: Definition
<b>PP42</b>	Pimentel, Teresa; Vale, Isabel Mathematical creativity in elementary classroom
<b>PP43</b>	Izsak, Andrew Gyula; Wang, Aijun; Cohen, Allan; Orrill, Chandra Hawley Linking middle grades teachers' understandings of fractions to students' achievement
<b>PP44</b>	Teixeira, Paula Cristina; Matos, José Manuel Levels of intervention in the curriculum a case study in Portuguese schools
<b>PP45</b>	Kertil, Mahmut; Bülbül, Mustafa Şahin A teaching experience with a blind student's fingers: The area of a circle
<b>PP46</b>	Jirotkova, Darina; Hejný, Milan; Kloboučková, Jaroslava Development of understanding the concepts of area and perimeter
<b>PP47</b>	Nimtrakul, Bongkoch Investigating 5th grade students' solving number sentences: Evidence of relational thinking
<b>PP48</b>	Aratani, Masaharu Change of sociomathematical norms in a classroom: Learning mathematics in real-world
<b>12:00pm - 1:10pm</b> <b>Main Cafeteria</b>	<b>LUNCH</b>
<b>1:10pm - 9:00pm</b>	<b>Conference Excursion</b>

<b>THURSDAY, JULY 14, 2011</b>	
<b>9:00am - 10:30am</b>	<b>RESEARCH FORUM, SESSION 1</b>
<b>RF1.01</b>	Coordinators: Peter Sullivan & Orit Zaslavsky Researching the Nature and Use of Tasks and Experiences for Effective Mathematics Teacher Education
<b>KKM / Kemal KURDAŞ Hall</b>	
<b>RF1.02</b>	Coordinators: Florence Mihaela Singer, Nerida Ellerton, Jinfa Cai, Eddie C.K Leung Problem Posing in Mathematics Learning and Teaching: A Research Agenda
<b>KKM / Hall A</b>	
<b>10:30am - 11:00am</b> <b>KKM / Big Foyer</b>	<b>COFFEE BREAK</b>
<b>11:00am - 1:00pm</b> <b>KKM / Kemal KURDAŞ Hall</b>	<b>AGM Annual General Meeting</b>
<b>1:10pm - 2:30pm</b> <b>Main Cafeteria</b>	<b>LUNCH</b>
<b>2:40pm - 3:20pm</b>	<b>RESEARCH REPORTS, SESSION 9</b>
<b>RR09.01</b>	Session Chair: <b>Dicky Ng</b>
<b>EFA 16</b>	Zeybek, Zulfiye; Galindo, Enrique Exploring mathematics teachers' motivation to change: A case study
<b>RR09.02</b>	Session Chair: <b>Ferdinand Rivera</b>
<b>EFA 10</b>	Chorney, Sean A shift in ontology: Material agency as an influence in identity formation
<b>RR09.03</b>	Session Chair: <b>Marj Horne</b>
<b>EFA 11</b>	Ozgun-Koca, S. Asli Prospective mathematics teachers' views on the use of computer algebra systems
<b>RR09.04</b>	Session Chair: <b>John Moyer</b>
<b>EFA 13</b>	Lowrie, Tom; Diezmann, Carmel M; Logan, Tracy Primary students' performance on map tasks: The role of context
<b>RR09.05</b>	Session Chair: <b>Andonis Zagorianakos</b>
<b>EFA 15</b>	Berger, Margot Using mathematical discourse to understand students' activities when using geogebra
<b>RR09.06</b>	Session Chair: <b>Peter Sullivan</b>
<b>EFA 14</b>	Patsiomitou, Stavroula Theoretical dragging: A non-linguistic warrant leading to 'dynamic' propositions

<b>2:40pm - 3:20pm</b>	<b>RESEARCH REPORTS, SESSION 9</b>
<b>RR09.07</b>	Session Chair: <b>Sharada Gade</b>
<b>G 111</b>	Gilboa, Nava; Dreyfus, Tommy; Kidron, Ivy A construction of a mathematical definition – the case of parabola
<b>RR09.08</b>	Session Chair: <b>Levi Esteban Elipane</b>
<b>G 101</b>	Brown, Tony Rethinking objectivity and subjectivity: Re-distributing the psychological in mathematics education
<b>RR09.09</b>	Session Chair: <b>Gert Schubring</b>
<b>G 102</b>	Sack, Jacqueline; Vazquez, Irma Development of a learning trajectory to conceptualize and represent volume using top-view coding
<b>RR09.10</b>	Session Chair: <b>Markku Hannula</b>
<b>G 104</b>	Gilbert, Michael James; Gilbert, Barbara Jean Examining the connection between teacher content knowledge and classroom practice
<b>RR09.11</b>	Session Chair: <b>Francesca Martignone</b>
<b>G 106</b>	Abdul Hussain, Mohammed; Threlfall, John; Monaghan, John The interplay of authoritative and dialogic interactions
<b>RR09.12</b>	Session Chair: <b>Jake Andrew McMullen</b>
<b>G 107</b>	Alatorre, Silvia; Mendiola, Elsa; Moreno, Francisco; Saiz, Mariana; Torres, Rosalva How teachers confront fractions
<b>RR09.13</b>	Session Chair: <b>Tim Rowland</b>
<b>G 108</b>	Azmon, Shirley; Hershkowitz, Rina; Schwarz, Baruch The impact of teacher-led discussions on students' subsequent argumentative writing
<b>RR09.14</b>	Session Chair: <b>Marjory Palius</b>
<b>G 109</b>	Fujita, Taro; Jones, Keith; Miyazaki, Mikio Supporting students to overcome circular arguments in secondary school mathematics: The use of the flowchart proof learning platform
<b>RR09.15</b>	Session Chair: <b>Alina Galvao Spinillo</b>
<b>G 208</b>	Arzareello, Ferdinando; Ascari, Marina; Thomas, Mike; Yoon, Caroline Teaching practice: A comparison of two teachers' decision making in the mathematics classroom
<b>RR09.16</b>	Session Chair: <b>Victor Giraldo</b>
<b>G 209</b>	Fernandez, Ceneida; Llinares, Salvador; Valls, Julia Development of prospective mathematics teachers' professional noticing in a specific domain: Proportional reasoning

<b>3:30pm - 4:20pm</b>	<b>SHORT ORALS, SESSION 5</b>
<b>SO5.01</b>	Session Chair: <b>Sue Pope</b>
<b>G 209</b>	Acar, Ergi erStMaL-FaSt Chang, Shu-I; Chung, Jing Comparison between instructions of senior and novice teacher Saengpun, Jensamut; Inprasitha, Maitree An analysis of lesson study in mathematics based on the cultural-historical activity theory: a case of a project school in Thailand
<b>SO5.02</b>	Session Chair: <b>Vânia Maria P. dos Santos-Wagner</b>
<b>G 108</b>	José, Guzmán; David Alfonso, Páez The role of the researcher in the learning of in-service mathematics teachers Flores, Patricia; Figueras, Olimpia; Pluinage, Francois The mathematics class as object of learning Zembat, Ismail Ozgur Teachers' Subject Matter Knowledge: UAE Context
<b>SO5.03</b>	Session Chair: <b>Gert Schubring</b>
<b>G 109</b>	Safak, Elif; Hertel, Joshua T.; Langrall, Cynthia; Morey, Marilyn Teacher questioning as an indicator of change Fuglestad, Anne Berit; Goodchild, Simon Mediators of mathematics in task-based discussion between teachers Lin, Pi-Jen; Tsai, Wen-Huan; Yiu, Zi-Da; Yang, Der-Ching; Chang, Yu-Leung; Tan, Ning-Chiun Factors contributing to future teachers' mpck: Evidence from teds-m2008
<b>SO5.04</b>	Session Chair: <b>Bettina Dahl Soendergaard</b>
<b>G 208</b>	Özgeldi, Meriç; Çakıroğlu, Erdinç Exploring mathematics teachers' use of textbooks: A mixed methods study Kula, Semiha; Bukova-Güzel, Esra Examining mathematics student teachers' representations: The case of limit concept Watson, Steven; Swan, Malcolm Designing professional development for mathematics teachers: A case study

<b>3:30pm - 4:20pm</b>	<b>SHORT ORALS, SESSION 5</b>
<b>SO5.05</b>	Session Chair: <b>Marianna Tzekaki</b>
<b>G 107</b>	Ineson, Gwen Designing a programme for pre-service elementary teachers to develop mental mathematics for teaching Lin, Fou-Lai; Yang, Kai-Lin; Chen, Jian-Cheng; Hsu, Hui-Yu Conceptualizing educative power of researcher-educator Korkmaz, Özlem Characteristics of an advanced mathematics course for teachers
<b>SO5.06</b>	Session Chair: <b>Nuria Planas</b>
<b>G 106</b>	Aytekin, Cahit; Toluk Ucar, Zulbiye Teachers' definitions of square, rectangle, trapezoid, and parallelogram Saglam, Yasemin; Bulbul, Ali A teaching experiment to orient visual reasoning Sen Zeytun, Aysel; Cetinkaya, Bulent Understanding pre-service mathematics teachers' difficulties in constructing a mathematical model Abdul Rahman, Shafia; Suffian, Harizon Teachers' examples and their effects on children's understanding in mathematics
<b>SO5.07</b>	Session Chair: <b>Anne Teppo</b>
<b>G 104</b>	EL Mouhayar, Rabih Raif Teacher practices during correction phases in algebra classes Callejo, María Luz; Fernández, Ceneida; Márquez, Maximina Professional knowledge of pre-service teachers about quotitive Division problems Ding, Lin; Leung, Frederick K.S. Pedagogical content knowledge of mathematics student teachers in Hangzhou, China
<b>SO5.08</b>	Session Chair: <b>Michael O. J. Thomas</b>
<b>G 101</b>	Yoon, HyunKyoung How do mathematics teachers understand the concept of vector? Cho, I-An; Chin, Chien High-school mathematics teacher's specialized content knowledge: A case study Haciomeroglu, Guney; Haciomeroglu, Erhan Selcuk Elementary preservice teachers content knowledge for teaching: Examining their analysis of students alternative solutions

<b>SO5.09</b>	<b>Session Chair: Tai-Yih Tso</b>
<b>G 102</b>	Fernandez, Sainza; Figueiras, Lourdes Discovering experts' view on transition to secondary mathematics using Delphi method Pang, JeongSuk; Kim, SangHwa; Jung, YooKyung An analysis of teachers' conception of the purpose of teaching mathematics Drake, Pat; Noyes, Andrew; Wake, Geoff School mathematics qualifications and work
<b>3:30pm - 4:20pm</b> <b>EFA 10</b>	<b>Meeting - K.Krainer</b>
<b>3:30pm - 4:20pm</b>	<b>AS2: AdHoc Session 2</b>
<b>4:20pm - 4:50pm</b> <b>I.I.B.F (B Binasi) / B Building</b>	<b>COFFEE BREAK</b>
<b>4:50pm - 6:20pm</b>	<b>DISCUSSION GROUPS, SESSION 02</b>
<b>DG02.01</b> <b>G 208</b>	Jorgensen, Robyn; Lowrie, Tom; Gates, Peter Digital games: New potential for mathematics
<b>DG02.02</b> <b>G 102</b>	Ejersbo, Lisser Rye; Leron, Uri Intuitive and analytical thinking: Working to bridge the gap
<b>DG02.03</b> <b>G 109</b>	Lesh, Richard; Baş, Sinem; Türker, Belma; Aygün, Berna; Ader, Engin; Özel, Serkan; Sriraman, Bharath Models and modeling
<b>DG02.04</b> <b>G 106</b>	Simon, Martin; Koellner, Karen Preparing novice researchers to do high-quality qualitative research in mathematics education
<b>DG02.05</b> <b>EFA 13</b>	Boero, Paolo; Douek, Nadia; Radford, Luis Students' cultural identity and mathematics instruction in global times
<b>DG02.06</b> <b>G 108</b>	Ozgun-Koca, S. Asli; Olkun, Sinan; LaFerla, Vivian Technology in mathematics education: Different kinds and levels of experimentation
<b>DG02.07</b> <b>EFA 11</b>	Bolite Frant, Janete; Hanna, Haydar The challenge of including learners with special educational needs in school mathematics
<b>DG02.08</b> <b>EFA 10</b>	Cockburn, Anne D. Working with less successful teachers

<b>4:50pm - 6:20pm</b>	<b>WORKING GROUPS, SESSION 1</b>
<b>WG02.01</b>	Hegedus, Stephen; Gucler, Beste; Lesh, Richard; Mousoulides, Nicholas
<b>G 101</b>	Creativity and modeling
<b>WG02.02</b>	Nardi, Elena; Iannone, Paola; Pinto, Marcia
<b>G 107</b>	Exploring the transition to and within university mathematics from different perspectives
<b>WG02.03</b>	Edwards, Laurie; Frant, Janete Bolite; Robutti, Ornella; Radford, Luis
<b>G 104</b>	Gesture, multimodality and embodiment in mathematics
<b>WG02.04</b>	Batarce, Marcelo Salles; Mattos, Adriana; Escher, Marco; Lerman, Steve
<b>G 209</b>	Mathematics education and society
<b>WG02.05</b>	Goos, Marilyn; Chapman, Olive; Brown, Laurinda; Novotna, Jarmila
<b>G 111</b>	The learning and development of mathematics teacher educator-researchers
<b>6:30pm - 7:10pm</b>	<b>RESEARCH REPORTS, SESSION 10</b>
<b>RR10.01</b>	Session Chair: <b>Ildiko Pelczer</b>
<b>EFA 16</b>	Domino, Jadwiga; Schroeder, Thomas L The effects of physical manipulatives on achievement in mathematics in grades K-6: A meta-analysis
<b>RR10.02</b>	Session Chair: <b>Veronica Hoyos</b>
<b>EFA 10</b>	Williams, Gaye Relationships between elements of cognitive, social, and optimistic mathematical problem solving activity
<b>RR10.03</b>	Session Chair: <b>Nellie C. Verhoef</b>
<b>EFA 11</b>	Kieran, Carolyn; Tanguay, Denis; Solares, Armando Teachers participating in a research project on learning: The spontaneous shaping of researcher-designed resources within classroom teaching practice
<b>RR10.04</b>	Session Chair: <b>John Monaghan</b>
<b>EFA 13</b>	Iannone, Paola; Simpson, Adrian Assessment preferences in university mathematics
<b>RR10.05</b>	Session Chair: <b>Kenneth Ruthven</b>
<b>EFA 15</b>	Baccaglini-Frank, Anna; Antonini, Samuele; Leung, Allen; Mariotti, Maria Alessandra Reasoning by contradiction in dynamic geometry
<b>RR10.06</b>	Session Chair: <b>Stavroula Patsiomitou</b>
<b>G 111</b>	Sullivan, Peter; Grootenboer, Peter; Jorgensen, Robyn Considering student experience and knowledge of context in planning mathematics learning

<b>6:30pm - 7:10pm</b>	<b>RESEARCH REPORTS, SESSION 10</b>
<b>RR10.07</b>	Session Chair: <b>S. Asli Ozgun-Koca</b>
<b>EFA 14</b>	Gol Tabaghi, Shiva; Sinclair, Nathalie Student diagramming motion: A discursive analysis of visual images
<b>RR10.08</b>	Session Chair: <b>Norma Presmeg</b>
<b>G 101</b>	Edwards, Laurie Embodied cognitive science and mathematics
<b>RR10.09</b>	Session Chair: <b>Jean-baptiste LAGRANGE</b>
<b>G 102</b>	Gucler, Beste Historical junctures in the development of discourse on limits
<b>RR10.10</b>	Session Chair: <b>Samet Okumus</b>
<b>G 104</b>	Gagatsis, Athanasios; Monoyiou, Annita Towards a comprehensive theoretical model of pre-service teachers' conceptual understanding of functions
<b>RR10.11</b>	Session Chair: <b>Chrissagvi Triantafillou</b>
<b>G 106</b>	Arzareello, Ferdinando; Ferrara, Francesca; Robutti, Ornella A tool for analysing multimodal behaviours in the mathematics classroom
<b>RR10.12</b>	Session Chair: <b>Luís Menezes</b>
<b>G 107</b>	Alatorre, Silvia; Flores, Mariana; Solís, Tisbe Proportional reasoning of primary teachers
<b>RR10.13</b>	Session Chair: <b>Benjamin Rott</b>
<b>G 108</b>	Reiss, Kristina M.; Barchfeld, Petra; Lindmeier, Anke; Sodian, Beate; Ufer, Stefan Interpreting scientific evidence: primary student's understanding of base rates, sampling procedures, and contingency tables
<b>RR10.14</b>	Session Chair: <b>BoMi Shin</b>
<b>G 109</b>	Komatsu, Kotaro How do students generalize a conjecture through proving? The importance of boundary cases between example and counterexample
<b>RR10.15</b>	Session Chair: <b>Catherine D. Bruce</b>
<b>G 208</b>	Petropoulou, Georgia; Potari, Despina; Zachariades, Theodossios Inquiring mathematics teaching at the university level
<b>RR10.16</b>	Session Chair: <b>Olov Viirman</b>
<b>G 209</b>	Peltenburg, Marjolijn; van den Heuvel-Panhuizen, Marja How special education teachers think about their students' mathematical abilities
<b>8:30pm - 11:59pm</b>	<b>GALA DINNER</b>

FRIDAY, 15 JULY, 2011	
9:00am - 10:00am	PLENARY ADDRESSES
KKM / Kemal KURDAŞ Hall	Session Chair: <b>Marj Horne</b> B.Doig <i>Children's informal reasoning: Concerns and contradictions</i>
10:00am -11:00am KKM / Big Foyer	POSTER PRESENTATIONS, SESSION 2
PP49	Tataroğlu, Berna; Özgen, Kemal; Alkan, Hüseyin A different approach to developing mathematical thinking: 4mat system
PP50	Koyama, Misako A framework of affective aspects on proving
PP51	Cetin, Sevkett Ceyhan; Corlu, Mehmet Sencer; Capraro, Mary Margaret; Capraro, Robert M. A latent growth model: Longitudinal investigation of student achievement in mathematics and science
PP52	Behm-Cross, Stephanie; Tosmur-Bayazit, Nermin A prospective mathematics teacher's struggle with the disconnect between theory and practice
PP53	Kula, Semiha; Bukova-Güzel, Esra; Tekin, Ayşe; Hidiroğlu, Çağlar Naci A student teacher's choice of examples in teaching probability
PP54	Leung, Shuk-Kwan; Pan, Heng-Tsu; Liu, Pei-Chi A study of problem-solving strategies in equations with one unknown for junior high school students under different understandings of equal sign
PP55	Ma, Hsiu-Lan; Wu, Der-bang; Wu, Shun-Jyh; Chen, Tzu-Liang A study of the van hiele model of geometric thinking to in-service kindergarten teachers in Taiwan
PP56	Cheng, Chia-Ling; Chen, Po-Yi; Chen, Kaung-Hsung; Leu, Yuh-Chyn A study on three dimensional views of spatial orientation for primary schools teachers
PP57	Pinto, Hélia Number sense of preservice elementary teachers in Portugal

10:00am -11:00am	POSTER PRESENTATIONS, SESSION 2
<b>PP58</b>	Bortoloti, Roberta D'Angela Menduni; Santos-Wagner, Vania Maria Pereira An exam of errors made by future secondary mathematics teachers in a combinatory question
<b>PP59</b>	Kazak, Sibel An investigation of 6th graders' thinking and reasoning about variability in a chance context
<b>PP60</b>	Tomás Ferreira, Rosa Antónia Challenges and constrains in moving beyond an evaluative teaching mode
<b>PP61</b>	Lautert, Sintria Labres; Chagas, Fernanda Augusta Lima das; Spinillo, Alina Galvão Children's understanding of inverse relations: Manipulating the dividend and the divisor in word division problems
<b>PP62</b>	Forsythe, Susan Kathleen Children's perceptions of symmetry through the window of a dynamic geometry environment
<b>PP63</b>	Promraksa, Siwarak Computational estimation in mathematics classroom in context of lesson study and open approach
<b>PP64</b>	Ruzickova, Lucie; Novotna, Jarmila Connaissances and savoirs in the framework of mathematics rallye
<b>PP65</b>	Nortvedt, Guri Coping with multistep arithmetic word problems: The case of below-average numeracy students
<b>PP66</b>	Cheng, Ying-Hao; Hsu, Hui-Yu; Chen, Jian-Cheng Creating a conditional proposition on co-varying geometry setting for young students
<b>PP67</b>	Vale, Isabel; Pimentel, Teresa Creativity, problem solving and problem posing
<b>PP68</b>	Sanchez-Matamoros, Gloria; Escudero, Isabel; Gavilán, José M. Defining from sociocultural approach
<b>PP69</b>	Tekin, Ayşe; Kula, Semiha; Hidiroğlu, Çağlar Naci; Uğurel, Işıkhhan Determining views of prospective mathematics teachers related to mathematical modelling
<b>PP70</b>	Jai-on, Kittisak Developing open approach-based lesson plans emphasizing use of geometer's sketchpad

10:00am- 11:00am	POSTER PRESENTATIONS, SESSION 2
<b>PP71</b>	Canavarro, Ana Paula; Pinto, Elisa Developing problem solving: The potentialities of diagrams used by young students
<b>PP72</b>	Campelos, Sandra Maria de Sousa; Moreira, Darlinda Maria Pacheco Developing statistical literacy: A design experiment approach in middle school
<b>PP73</b>	Sakawaki, Takako The analysis of the effect of intervention on combinatorial problem
<b>PP74</b>	Ribeiro, C. Miguel; Martins, Fernando Early years' trainee teachers mathematical knowledge for teaching: The case of bar graphs
<b>PP75</b>	Velez, Isabel; Ponte, João Pedro Elementary school teachers practices: Working student's mathematical representations
<b>PP76</b>	Easdown, David Excursions to and from semantic oblivion
<b>PP77</b>	Bose, Arindam; Subramaniam, K. Exploring school children's 'Everyday' mathematical knowledge
<b>PP78</b>	Premprayoon, Kasem; Loipha, Suladda Exploring students' language features expressed mathematical ideas in open approach
<b>PP79</b>	Chin, Erh-Tsung; chien, Dai-Wei; Chien, Chi-Dong Exploring students' mathematical proficiency in the context of inquiry-based teaching
<b>PP80</b>	Khonkarn, Rungthiwa; Loipha, Suladda Exploring teachers' understanding on lesson plan
<b>PP81</b>	Sudejamnong, Anake; Loipha, Suladda Exploring the teachers' mathematical knowledge for teaching in traditional classroom
<b>PP82</b>	Wu, Chao-Jung; Cheng, Ying-Hao Eye movement in reading geometric texts: Allocating on text and figures
<b>PP83</b>	Santos, Leonor; Pinto, Jorge Feedback in mathematics learning
<b>PP84</b>	Stein, David How Czech math textbooks address critical mathematical content

10:00am- 11:00am	POSTER PRESENTATIONS, SESSION 2
<b>PP85</b>	Gooya, Zahra; Askari, Mohsen How matrices are treated in the new grade 10 mathematics textbook in Iran
<b>PP86</b>	Gooya, Zahra; Hashemi, Mohadeseh; Maleki, Jila; Sheikhalian, Faezeh How students conceive the difference between variable and parameter? The case of Ali
<b>PP87</b>	Otsuka, Shintaro Identifying factors in the difficulties of explanation of false statements
<b>PP88</b>	Kuntze, Sebastian; Siller, Hans-Stefan; Vogl, Christiane In-service and pre-service teachers' views about professional knowledge related to modelling
<b>PP89</b>	Correia Consciência, Maria Madalena Integration of graphic calculator on students' mathematical activity
<b>PP90</b>	Ishida, Yuya Interaction between geometric construction activity and conception of spatial figure in 3D DGE
<b>PP91</b>	Monteiro, Carlos; Alves, Iane; Carvalho, Liliane Interpretation of graphs in a computing environment for students from a rural school
<b>PP92</b>	Lee, Yuan-Shun; Chen, Ying-Mei; Cao, Ru-Yi Why can't an elementary school teacher teach mathematics smoothly?
<b>PP93</b>	Panbanlame, Kwanta; Sangaroon, Kiat Investigating students' characteristics of intuitions in decomposing and composing activity
<b>PP94</b>	Quaresma, Marisa Alexandra Ferreira; Ponte, João Pedro Mendes Learning rational numbers using different representations: An exploratory approach
<b>PP95</b>	Gao, Xuefen Investigation on mathematics curriculum transition: From school to university

<b>10:00am- 11:00am</b> <b>KKM / Hall A</b>	<b>Meeting - B.Doig</b>
<b>11:00am- 11:30am</b> <b>KKM / Big Foyer</b>	<b>COFFEE BREAK</b>
<b>11:30am - 1:00pm</b>	<b>RESEARCH FORUMS, SESSION 2</b>
<b>RF1.01</b> <b>KKM / Kemal KURDAŞ Hall</b>	Coordinators: Peter Sullivan & Orit Zaslavsky Researching the Nature and Use of Tasks and Experiences for Effective Mathematics Teacher Education
<b>RF1.02</b> <b>KKM / Hall A</b>	Coordinators: Florence Mihaela Singer, Nerida Ellerton, Jinfa Cai, Eddie C.K Leung Problem Posing in Mathematics Learning and Teaching: A Research Agenda
<b>1:10pm - 2:10pm</b> <b>KKM / Kemal KURDAŞ Hall</b>	<b>Closing Cerenomy</b>

**Alphabetical list of First Presenters and Chairing Sessions  
(Research Reports (RR) and Short Oral Communications SO)**

<b>Last Name</b>	<b>First Name</b>	<b>Presentation</b>	<b>Chairing</b>
Abdul Hussain	Mohammed	RR09.11	RR02.13
Acar	Ergi	SO5.01	
Ader	Engin	SO4.08	
Aizikovitsh	Einav	SO1.06	
Akkoc	Hatice		SO4.14
Akkurt	Zeynep	SO4.02	
Akkus	Recai	SO4.05	
Alatorre	Silvia	RR10.12	SO1.01, RR08.15
Alkan	Vesile	SO1.10	
Alpaslan	Mustafa	SO4.09	
Alvarenga	Karly Barbosa	SO2.01	
Amato	Solange	RR08.07	RR07.08
Andra'	Chiara	RR06.14	RR08.12
Andrade	Silvanio De	SO4.12	
Antonini	Samuele	RR05.14	SO1.02, RR06.01
Ascari	Marina	RR09.15	RR04.05
Aslan	Rukiye	SO2.03	
Aslan-Tutak	Fatma	SO4.01	
Assimakis	Nicholas	RR01.15	
Assis	Cibelle Castro	SO2.09	
Aysel	Tugba	SO2.07	
Aytekin	Cahit	SO5.06	
Azmon	Shirly	RR09.13	RR05.10
Bairral	Marcelo Almeida	SO2.05	
Baki	Adnan	RR08.08	RR03.10
Bansilal	Sarah	SO3.07	
Bardelle	Cristina	RR07.11	RR02.12
Barmby	Patrick William	RR06.11, SO3.01	RR08.16
Bartolini-Bussi	Maria G.		SO1.03
Barwell	Richard		SO1.04
Bas	Sinem	SO3.06	
Bausch	Isabell	RR05.05	RR02.04
Bayazit	Ibrahim	RR03.15	RR05.14, SO1.05
Bayik	Fadime	SO3.14	
Beatty	Ruth Anne	RR05.04	RR01.13
Beaven	Persis	RR05.07	RR03.11
Berger	Margot	RR09.05	RR08.10
Bernack	Carola	RR03.01	RR04.13
Bingolbali	Erhan		RR06.05

<b>Last Name</b>	<b>First Name</b>	<b>Presentation</b>	<b>Charing</b>
Bingolbali	Ferhan	RR04.11	
Boavida	Ana-Maria Roque	SO4.13	SO1.07
Boero	Paolo		SO1.08
Boonlerts	Suttharat	SO3.03	
Borba	Marcelo C.	SO1.03	SO2.06
Borba	Rute Elizabete	SO3.08, RR02.07	RR01.06
Bose	Arindam	RR02.09	RR01.08
Bozkurt	Ali	SO1.05	
Brocardo	Joana Maria		SO1.10
Brown	Tony	RR09.08	RR01.10
Bruce	Catherine D.	RR06.02	RR10.15
Bruder	Regina		SO1.11
Bulut	Mehmet	SO3.09	
Cadet	Élysée Robert	SO4.12	
Callejo	María Luz	SO5.07	
Canavarro	Ana Paula	SO1.12	
Ceia	Mário José Miranda	SO2.08	
Celebioglu	Burcu	SO4.06	
Cetinkaya	Bulent	SO1.04	
Chang	Ching-kuch	SO4.04	
Chang	Shu-I	SO5.01	
Changsri	Narumon	SO1.10	
Chapman	Olive	RR02.14	RR03.15
Chavoshi Jolfaee	Simin Sadat	RR01.13	RR05.04
Chen	Chia-Huang	SO1.13	
Chen	Ching-Shu	SO3.13	
Chen	Hsing-Me	SO4.05	
Chen	Jian-Cheng	SO3.11	
Chernoff	Egan J	RR06.13	RR02.03
Chico	Judit	SO4.14	
Chih-Yen	Liu	SO1.02	
Cho	I-An	SO5.08	
Chorney	Sean	RR09.02	RR01.03
Chua	Boon Liang	SO1.13	
Cirillo	Michelle	RR04.14	RR03.09
Cockburn	Anne D.		SO1.12
Coles	Alf	SO4.08	SO1.13
Cullen	Craig James	RR02.11	RR08.05
Da Ponte	Joao-Pedro		SO1.14
David Alfonso	Páez	SO5.02	
de Freitas	Elizabeth Mary		SO2.01
Delikanlis	Panagiotis N	SO2.02	

Last Name	First Name	Presentation	Charing
Deliyianni	Eleni	RR06.05	
Demir	Ozcan	SO3.04	
Ding	Lin	SO5.07	
Dole	Shelley	RR02.06	RR04.02
Dooley	Therese A.	RR03.08	RR06.09
Douek	Nadia		SO2.02
Dreyfus	Tommy		SO2.03
Duarte	José	SO2.03	
Dvora	Tali	RR03.11	RR05.07
Edwards	Julie-Ann	SO1.09	
Edwards	Laurie	RR10.08	SO2.04, RR01.01
EL Mouhayar	Rabih Raif	SO5.07	
Elipane	Levi Esteban	RR01.10	RR09.08
Ellemor-Collins	David	RR08.09	RR01.15
Eraslan	Ali	SO4.04	
Erbas	Ayhan Kursat	SO1.03	
Erbilgin	Evrin	RR07.16	RR08.08
Erens	Ralf	SO1.01	
Falcão	Jorge Tarcísio da Rocha	SO4.11	
Fernandez	Ceneida	RR09.16	RR03.05
Fernandez	Sainza	SO5.09	
Ferrara	Francesca	RR10.11	RR04.15
Figueras	Olimpia		SO2.05
Flores	Patricia	SO5.02	
Francisco	John	SO1.07	SO2.08
Fritzlar	Torsten	RR08.04	RR01.02
Fuglestad	Anne Berit	SO5.03	SO2.09
G. Alaylı	Funda	SO3.14	
Gade	Sharada	RR06.15	RR09.07
Gagatsis	Athanasios	RR10.10	RR08.03
García	Rosa Ma.	SO2.06	
Garuti	Rossella	SO4.01	
Gates	Peter		SO2.10
Gebremichael	Andualet Tamiru	SO1.08	
Geraniou	Eirini	RR03.03	RR02.08
Gervasoni	Ann	RR04.05	RR02.02, RR07.05
Gholmazad	Soheila	SO4.13	
Gilbert	Barbara Jean	RR07.01	RR05.09
Gilbert	Michael	RR09.10	RR08.01
Gilboa	Nava	RR09.07	RR06.15
Giraldo	Victor	RR01.04	RR09.16
Góes	Mariza Barcellos	SO2.08	

Last Name	First Name	Presentation	Charing
Gol Tabaghi	Shiva	RR10.07	SO2.07
Goldin	Gerald Alan		SO3.05
Gonulates	Funda	RR07.09	RR03.02
González-Martín	Alejandro S.	RR04.10	
Goos	Merrilyn	RR08.16	RR06.11
Gooya	Zahra		SO1.06
Griese	Birgit	SO4.05	
Gruessing	Meike	SO3.14	
Gucler	Beste	RR10.09	RR08.07
Gutierrez	Angel	SO3.02	SO4.05
Guzman-Hernandez	Jose	RR08.03	RR06.08
Haciomeroglu	Guney	SO5.08	
Hagen	Pamela Anne	SO1.01	
Hahkioniemi	Markus	RR07.02	RR02.05
Hannula	Markku	RR08.01	RR09.10, SO3.06
Hansson	Orjan	RR06.01, SO3.08	RR07.02
Hatisaru	Vesife	SO2.07	
Hegedus	Stephen	SO2.10	SO3.07
Heinze	Aiso	SO2.05	SO3.08
Hendrikse	Petra	RR05.08	RR06.10
Henriques	Ana Cláudia Correia		
Hidiroğlu	Batalha	SO4.12	
Hino	Çağlar Naci	SO4.03	
Ho	Keiko	RR07.03	RR06.07
Ho	Siew Yin	SO3.11, SO4.14	
Hobden	Sally Diane	SO1.04	
Horne	Marj		RR09.03
Hoyles	Celia		SO3.01
Hoyos	Veronica	RR01.05	RR10.02
Hsieh	Kai-ju	SO3.13	
Hu	Cheng-Te	SO2.09	
Huang	Hsin-Mei E.	RR07.08	RR08.06
Hung	Li-Yu	SO2.04	
Iannone	Paola	RR10.04	RR07.06
Ilany	Bat-Sheva		SO3.02
Ineson	Gwen	SO5.05	
Iscimen	Filyet Asli	RR07.14	RR05.01
Jacobson	Erik Daniel		RR07.11, RR03.08
Jankvist	Uffe Thomas	RR06.09	
Jaworski	Barbara	SO1.09	SO3.03
Jeong	Minju	SO1.06	

Last Name	First Name	Presentation	Charing
Jung	YooKyung	SO5.09	
Kabaca	Tolga	SO2.09	
Kabael	Tangul	SO3.03	
Kadroom	Thanya	SO4.10	
Kageyama	Kazuya	SO4.02	
Karahasan	Burcu	SO3.13	
Karakaya	ilyas	SO3.10	
Karakok	Gulden	SO2.02	
Katmer	Vildan	SO3.05	
Kaur	Harpreet	RR03.06	RR04.01
Kertil	Mahmut	SO4.04	
Kieran	Carolyn	RR10.03	SO3.09, RR01.09
Kim	Gooyeon	SO3.09	
Koç	Yusuf	SO3.07	
Komatsu	Kotaro	RR10.14	RR08.13
Kongthip	Yanin	SO3.03	
Korkmaz	Özlem	SO5.05	
Kouropatov	Anatoli	RR02.15	RR01.12
Krainer	Konrad		SO3.10
Krzywacki	Heidi	SO2.06	SO3.11
Kula	Fulya	SO3.04	
Kula	Semiha	SO5.04	
Kullberg	Angelika	SO3.07	
Kuntze	Sebastian	RR03.12	RR05.03
Kurt	Gönül	SO4.09	
Kutluk	Berna	SO2.03	
Kynigos	Chronis	RR06.06	RR04.14
LaCroix	Lionel	SO1.05	
Lagrange	Jean-baptiste	RR08.06	RR10.09
Lange	Diemut	RR03.05	RR07.16, RR05.02
Leinonen	Jorma	RR05.12	RR06.12
Leppäaho	Henry	SO3.02	
Lerman	Stephen	SO4.08	
Leu	Yuh-Chyn	SO3.12	
Leung	Allen	RR10.05	
Lewis	Gareth	RR02.02	RR06.06
Lien	Wen-Hung	SO4.10	
Lin	Pi-Jen	SO5.03	
Lin	Yung-Chi	SO2.06	
Linsell	Chris	SO2.01	
Liu	Po-Hung	SO1.11	
Lo	Ruei-chang	SO3.10	

<b>Last Name</b>	<b>First Name</b>	<b>Presentation</b>	<b>Charing</b>
Lowrie	Tom	RR09.04	SO3.14, RR06.04
Lüken	Miriam M.	RR03.04	RR07.13
Ma	Hsiu-Lan	SO3.11	
Magiera	Marta	SO1.14	
Marchini	Carlo	RR07.04	RR04.11
Martignone	Francesca	RR04.13	RR09.11
Martinho	Maria Helena	SO3.09	
Maschietto	Michela	RR05.06	RR04.09
McDonald	Susan Ellen	RR01.12	RR07.07
McMullen	Jake Andrew	RR02.13	RR09.12
Mehmetlioglu	Deniz	SO1.08	
Mellone	Maria	SO1.14	
Mendes	Maria de Fátima	SO4.11	
Menezes	Luís	RR08.15	RR10.12
Michael	Paraskevi	RR07.05	RR01.11
Millman	Richard S	SO1.11	
Mitchell	Cameron		RR02.14
Miyazaki	Mikio	RR09.14	RR04.06
Monaghan	John	RR07.06	RR10.04, SO4.01
Montone	Antonella	SO4.09	
Moreno	Francisco J.		RR05.13
Morgan	Simon Peter	RR02.01	RR07.10
Moustaki	Foteini	RR02.05	RR04.03
Moutsios-Rentzos	Andreas	RR06.12	RR05.12
Moyer	John	RR06.04	RR09.04
Mudaly	Vimolan	RR07.07	
Nardi	Elena		SO4.02
Ng	Dicky	RR08.02	RR09.01
Nikoloudakis	Emmanouil	SO4.14	
Noss	Richard		SO4.03
Ohtani	Minoru		RR06.03
Okazaki	Masakazu	RR06.07	RR04.08
Okumus	Samet	RR07.15	RR10.10
Olive	John	RR04.07	SO4.04, RR07.03
Osterholm	Magnus	SO1.02	
Ozel	Serkan	SO3.12	
Ozen	Deniz	SO2.10	
Ozgun-Koca	S. Asli	RR09.03	RR10.07
Ozmantar	Mehmet Fatih	RR01.06	RR02.07, SO4.06
Özgeldi	Meriç	SO5.04	
Palius	Marjory	RR04.06	RR09.14
Pang	Jeongsuk	RR02.16	SO4.07, RR04.04

Last Name	First Name	Presentation	Charing
Panorkou	Nicole	RR03.07	RR08.14
Park	Mimi	RR08.12	RR06.14
Paterson	Judy Evelyn	RR03.02	RR07.09
Patsiomitou	Stavroula	RR09.06	RR10.06
Pehkonen	Erkki		SO4.08
Pelczer	Ildiko	RR01.14	RR10.01
Peltenburg	Marjolijn	RR10.16	RR01.04
Pinto	Marcia	SO3.02	SO4.09
Piskin Tunc	Mutlu	SO1.07	
Planas	Nuria	SO3.12	SO5.06
Pope	Sue	SO2.04	SO5.01
Prescott	Anne		SO4.11
Presmeg	Norma	RR01.01	RR10.08
Prodromou	Theodosia	RR05.13	
Rach	Stefanie	RR05.01	RR07.14
Radford	Luis	RR04.03	RR07.04
Rafiepour Gatabi	Abolfazl	SO4.02	
Rangnes	Toril Eskeland	RR01.11	RR04.10
Reiss	Kristina M.	RR10.13	SO4.12, RR03.14
Ribeiro	C Miguel	RR01.16	RR08.11
Rivera	Ferdinand	RR01.03	RR09.02
Rodrigues	Margarida Maria	RR08.14	RR03.07
Roh	Kyeong Hah	RR02.08	RR03.03
Rojano	Teresa	SO2.01	SO3.04
Rott	Benjamin	RR03.14	RR10.13
Rowland	Tim	RR05.10	RR09.13, SO4.13
Rumsey	Chepina Witkowski	SO2.02	
Russell	Gale Louise	SO4.07	
Ruthven	Kenneth	RR02.12	RR10.05, RR05.06
Sabena	Cristina	RR03.10	
Sack	Jacqueline	RR09.09	RR05.15
Saengpun	Jensamut	SO5.01	
Safak	Elif	SO5.03	
Saglam	Yasemin	SO5.06	
Saiz	Mariana	RR09.12	SO1.09
Sakonidis	Haralambos	SO2.04	
Saldanha	Luis A.	RR01.07	RR02.10
Sanchez	Victoria	RR05.15	RR04.07
Santi	George Richard	RR07.12	RR02.15
Santos	Leonor	SO2.07	
Santos-Wagner	Vânia Maria P. dos		SO5.02
Sarı	Meltem	SO1.07	

<b>Last Name</b>	<b>First Name</b>	<b>Presentation</b>	<b>Charing</b>
Savioli	Ketty	RR07.10	RR02.01
Schär	Patricia	SO3.06	
Schroeder	Thomas L	RR10.01	RR01.14
Schubring	Gert	RR04.08	RR09.09, SO5.03
Seah	Wee Tiong	RR01.02	RR08.04
Selden	John	RR04.12	RR07.15
Sen Zeytun	Aysel	SO5.06	
Sevimli	Eyup	RR02.04	RR05.05
Sezer	Renan	SO1.06	
Shein	Paichi Pat	SO1.02	
Shin	BoMi	RR08.13	RR10.14
Shinno	Yusuke	SO1.12	
Shvarts	Anna	RR01.08	RR02.09
Silfverberg	Harry Untamo	RR06.10	RR05.08
Siller	Hans-Stefan	SO4.03	
Silvestre	Ana Isabel	RR06.03	RR01.07
Simon	Martin		RR08.09
Singer	Florence Mihaela	SO4.13	
Soares	Eduardo Sarquis	SO3.06	
Soendergaard	Bettina Dahl	RR04.09	SO5.04, RR03.13
Son	Ji-Won	SO4.11	
Sparrow	Robert Leonard	SO1.08	
Spinillo	Alina Galvao	RR03.13	RR09.15
Srichompoo	Somkuan	SO4.01	
Stein	Mary Kay	RR05.09	RR07.01
Stragalinou	Athina	SO1.12	
Subramaniam	K	SO4.07	
Sullivan	Peter	RR10.06	RR09.06
Suriyon	Ariya	SO2.05	
Suthisung	Nisara	SO4.10	
Suttiamporn	Wipaporn	SO4.07	
Swan	Malcolm		SO4.10
Swidan	Osama	RR02.03	RR06.13
Tanisli	Dilek	SO1.13	
Tarhan	Veli	SO1.03	
Tataroğlu	Berna	SO4.06	
Tee	Fui Due	SO1.01	
Tekin	Ayşe	SO1.11	
Tekin	Emine Gülen	RR08.05	RR02.11
Teppo	Anne		SO5.07
Thinwiangthong	Sampan	SO1.04	
Thomas	Michael O. J.	RR04.02	RR02.06, SO5.08

Last Name	First Name	Presentation	Charing
Toluk Ucar	Zulbiye	RR05.03	RR03.12
Tomás Ferreira	Rosa Antónia	RR07.13	RR03.04
Tomaz	Vanessa Sena	RR06.08	RR04.12
Trenholm	Sven	SO2.10	
Triantafillou	Chrissagvi	RR04.15	RR10.11
Tso	Tai-Yih		SO5.09
Tunc Pekkan	Zelha	SO1.05	
Tuohilampi	Laura	SO1.09	
Turner	Fay Alison	RR06.16	RR05.11
Türker	Belma	SO4.03	
Tzekaki	Marianna	SO3.10	SO5.05
Ufer	Stefan	SO3.04	
Valls	Julia	RR02.10	RR03.01
van den Kieboom	Leigh A.	SO1.14	
Verhoef	Nellie C.	RR01.09	RR10.03
Viholainen	Antti	RR05.11	RR06.16
Viirman	Olov	RR03.09	RR10.16
Vollstedt	Maike	RR05.02	SO3.12, RR07.12
Wake	Geoff	SO5.09	
Wang	Chih-Yeuan	SO1.10	
Warren	Elizabeth Anne	RR04.04	RR02.16
Watanabe	Keiko	SO3.01	
Watarai	Yohei	SO3.08	
Watson	Steven	SO5.04	
Wille	Annika	RR08.11	RR01.16
Williams	Gaye	RR10.02	RR01.05
Wilson	Sue	RR04.01	RR03.06
Winbourne	Peter	SO3.05	
Yamada	Atsushi	SO2.08	
Yang	Kai-Lin	SO5.05	
Yazgan	Yeliz	SO4.06	
Yetkin Ozdemir	I. Elif	SO3.05	
Yoon	HyunKyoung	SO5.08	
Zachariades	Theodossios	RR10.15	RR06.02
Zagorianakos	Andonis	RR08.10	RR09.05
Zapata-Cardona	Lucia	SO3.01	
Zaslavsky	Orit		SO3.13
Zembat	Ismail Ozgur	SO5.02	
Zeybek	Zulfiye	RR09.01	RR08.02

## **CULTURAL & SOCIAL PROGRAM**

**Sunday, 10 July 2011**

**16:30 – 17:30      Opening Session**

**18:30 – 19:30      Cultural Event**

Two groups will perform at the Cultural Event.

### **TED Ankara College Graduates Orchestra**

TED Ankara College Graduates Orchestra was established in 2007 when its graduates who have played in colleges's brass instruments orchestra came together years after. The number of the orchestra members reached 125 in a short time and the members are working in different fields or still continue their education in bachelors' or masters' level. In 2009 orchestra became a part of TED Ankara College Graduates Association. In 2010 the orchestra added bow (string) instruments to itself and gained a senfonic style. The orchestra consists of volunteers and none of the members have recieved Professional music education. General Music Director of the orchestra is Ahmet Unlu, Orchestra Director is Hali Can Avcı. In their concerts, the orchestra plays the Works of composers known world-wide such as J. Brahms, W.M. Mozart, G. Bizet, F. Suppe, and C. Seans and the Works of famous Turkish composers such as Ulvi Cemal Erkin, Necip Celal Andel, İsmail Hakkı Bey and Zülfü Livaneli.

### **FOMGET- Folklore Music**

FOMGET- Folklore Music, Youth and Sports Club was established in 1993 in Ankara. Club focuses on ethnology, taking folk dances and music which are indispensable parts of our national culture to the center, and aims to promote and popularise those culturel values. With its several members, FOMGET contributes to the promotion of our country, organising international music and dance festivals. It has joined to the competetions arranged by Turkish Ministry of Culture and Turism and Turkish Folk Dances Federation and won many of them.

**19:30 – 21:00      Social Reception**

A reception will follow after the end of the Cultural Event in the foyer of the KKM.

**Tuesday, 12 July 2011**

**19:30 – 21:00      Happy Hour**

Happy Hour will take place in the open air section at the KKM. Snacks will be served to all Conference attendees for Happy Hour with limited drinks accompanied by live music.

**Wednesday, 13 July 2011**

**13:10 – 21:00      Excursion (Lunch will be served at the Cafeteria)**

The Scientific Program of the PME35 is enriched with various social events and tours in order for participants to explore the host city and country and for the conference to be an enjoyable and memorable event for everyone.

1st Excursion : Ankara City Tour

2nd Excursion: Kızılcahamam Soğuksu National Park Tracking Tour

3rd Excursion : Gordion

4th Excursion : Beypazarı

**Thursday, 14 July 2011**

**20:30 – 00:00      Gala Dinner**

Gala dinner will be served with a nice scene near the lakeside. Buses will depart from the conference hotels at 20:20.



**Conference Timetable**

	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
09:00						
09:10						
09:20		Plenary	Plenary			Plenary
09:30		J. Ainley	K.Krainer	Panel		B.Doig
09:40		Reactor:	Reactor:	O.Chapman	RF 1	09:00 – 10:00
09:50		T.Rojano	M.Ohtani	09:00 – 10:30	09:00 – 10:30	KKM
10:00		9:00 – 10:30	9:00 – 10:30	KKM	KKM	
10:10		KKM	KKM			PP 2 / Meeting
10:20						B.Doig
10:30		COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	10:00 – 11:00
10:40		10:30 – 11:00	10:30 – 11:00	10:30 – 11:00	10:30 – 11:00	KKM
10:50		KKM	KKM	KKM	KKM	
11:00	Registration			PP 1 /		COFFEE BREAK
11:10	10:00 – 12:00			National		11:00 – 11:30
11:20	(Hilton Hotel)			Presentation		KKM
11:30		SO 1	SO 3	11:00-12:00		
11:40		11:20 – 12:10	11:20-12:10	KKM	AGM	RF 2
11:50		IIBF / EFA	IIBF/EFA		11:00-13:00	11:30-13:00
12:00					KKM	KKM
12:10						
12:20		RR1	RR6	LUNCH		
12:30		12:20-13:00	12:20-13:00	12:00-13:10		
12:40		IIBF / EFA	IIBF / EFA			
12:50						
13:00						
13:10						
13:20		LUNCH	LUNCH		LUNCH	Closing Ceremomy
13:30		13:10-14:30	13:10-14:30		13:10-14:30	13:10-14:10
13:40		NEWCOMERS with	Policy Meeting			KKM
13:50		PME - IC	13:10-14:30			
14:00		14:00-14:30				
14:10						
14:20						
14:30						
14:40		RR 2	RR 7		RR 9	
14:50		14:40-15:20	14:40-15:20		14:40-15:20	
15:00		IIBF / EFA	IIBF / EFA		IIBF / EFA	
15:10						
15:20						
15:30	Registration	SO2/Meeting			SO5 /AdHoc2/	
15:40	14:30 – 16:30	A.Doğanaksoy			Meeting K.Krainer	
15:50	KKM	15:30-16:20	DG 1 / WG 1		15:30-16:20	
16:00		IIBF / EFA	15:30 – 17:00		IIBF / EFA	
16:10			IIBF / EFA			
16:20		COFFEE BREAK			COFFEE BREAK	
16:30		16:20 – 16:50			16:20 – 16:50	
16:40		IIBF			IIBF	
16:50	Opening Session			Excursion		
17:00	16:30 – 17:30	RR3	COFFEE BREAK	13:10-21:00	DG 2 / WG 2	
17:10	KKM	16:50-17:30	17:00 – 17:30		16:50-18:20	
17:20		IIBF / EFA	IIBF		IIBF / EFA	
17:30			SO4/Adhoc1/			
17:40	Plenary		Meeting J.Ainley			
17:50	A.Doğanaksoy	RR4	17:30-18:20			
18:00	17:30 – 18:30	17:40-18:20	IIBF / EFA			
18:10	KKM	IIBF / EFA				
18:20						
18:30						
18:40		RR5	RR 8		RR 10	
18:50	Cultural Event	18:30-19:10	18:30 – 19:10		18:30 – 19:10	
19:00	18:30 –19:30	IIBF / EFA	IIBF / EFA		IIBF / EFA	
19:10	KKM					
19:20						
19:30						
19:40						
19:50						
20:00	Social Reception		Happy Hour			
20:10	19:30-21:00		19:30-21:00			
20:20	KKM		KKM			
20:30						
20:40					Gala Dinner	
20:50					20:30 -	

\* "KKM" is abbreviation of Cultural and Conventional Center (Kültür ve Kongre Merkezi)

\* "IIBF" is abbreviation of Faculty of Economics and Administrative Sciences B Building (İktisadi ve İdari Bilimler Fakültesi B Binası)

\* "EFA" is abbreviation of Faculty of Education (Eğitim Fakültesi)