



# Tentative Program of ATCM 2011

## September 19, 2011 (Monday)

10:30-18:00	<b>Registration:</b> Foreign Participants will register at lobby of Büyük Abant Otel, Bolu
13:30-18:00	<b>Social free time</b>
18:00-19:00	<b>Dinner</b>
19:00-21:00	<b>Welcome Reception - Free social time</b>

## September 20, 2011 (Tuesday)

8:00-8:50	<b>Registration at Hotel</b>
9:00-11:00	<b>Opening ceremony</b>
11:00-11:30	<b>Tea Break</b>

### 11:30-12:20 **Plenary Speech 1: Room 1, Chair: Jen-Chung Chuan**

*19113 Interactivity in dynamic mathematics environments: what does that mean? -  
Colette Laborde, Jean-Marie Laborde*

### 12:30-13:30 **Lunch Break**

13:30-14:30	<b>Invited Speaker 1: Room 1:</b> (Chair: Mirek Majewski) 19189 Perspectives of Interactive Geometry Software-- Ulrich Kortenkamp
	<b>Invited Speaker 2: Room 2:</b> (Chair: Jen-Chung Chuan) 19352 My Journey From Logo To Geogebra-- Adnan Baki
	<b>Invited Speaker 3: Room 3:</b> (Chair: Barry Kissane) 19186 Redefining school as a pit stop: It is the free time that counts – Lenni Haapasalo

14:30-15:30	<b>Parallel Session I: Presentations (Each contributed paper presentation slot is 20 minutes, unless otherwise specified. Please allow 3 minutes for Q&amp;A, and 2 minutes for changeover)</b>
<b>Room 1: (Chair: Hitoshi Nishizawa &amp; Choon Toh)</b>	
14:30-14:55	18977 Self Learning Laboratory Sessions for Engineering Mathematics- - Pee Choon Toh
15:00-15:25	19088 The Effectiveness of ICT-assisted Approach in Learning 3D Linear Algebra-- Hitoshi Nishizawa, Yoshihiro Yamada, Takayoshi Yoshioka
<b>Room 2: (Chair: Emin Aydın &amp; Erol Karakırk)</b>	
14:30-14:55	19369 Promoting investigative math classrooms through SAMAP manipulatives – Erol Karakırk
15:00-15:25	19346 Analysis of Turkish web platforms of virtual mathematics manipulatives – Emin Aydın
<b>Room 3: (Chair: Aytaç Kurtuluş &amp; Hikmet Deger)</b>	
14:30-14:55	19026 On Some Advantages of Using Mathematics Software - Tuncay Kör, Ali Hikmet Deger, Murat Beşenk
15:00-15:25	19077 Implementation of webquests in middle school mathematics courses Aytaç Kurtuluş, Tuba Ada, H. Bahadır Yanık
<b>Room 4: (Chair: Michael Sejfrid &amp; Kwangho Lee)</b>	
14:30-14:55	18946 The generalization of the area of an internal Polygon for the use of Mathematically Gifted Students-- Kwangho Lee, HeonSoo Lee
15:00-15:25	18956 Amicable triangles and perfect circles - Michael Sejfried

<b>14:30 - 15:30</b>	<b>Hands-on Workshops</b> (GC stands for calculator workshops; CW stands for computer workshops)
	(GC Room 5) 19358 Christopher Longhurst: Investigating Investigations
	(GC Room 6) Okulumuzdaki Geogebra kullanımı -- Funda Tolunay
	(CW1 Computer Room 1) 19119 Colette Laborde & Jean-Marie Laborde: Experiencing the interactive digital resources “1 2 3... Cabri” for middle school
	(CW2 Computer Room 2) 19178 Nicholas Jackiw, Steven Rasmussen: Introduction to Sketchpad Version 5

**15:30-16:00 Tea Break**

16:00-17:00	<b>Parallel Session II Presentations (Each contributed paper presentation slot is 20 minutes, unless otherwise specified. Please allow 3 minutes for Q&amp;A, and 2 minutes for changeover)</b>
<b>Room 1: (Chair: Andreas Filler &amp; Kate Mackrell)</b>	
16:00-16:25	19028 Introducing algebra with interactive geometry software-- Kate Mackrell
16:30-16:55	19081 Creating computer graphics and animations based on parametric equations of lines and curves - proposals for mathematics education at upper secondary level-- Andreas Filler

<b>Room 2: (Chair: Tuba Kaplan &amp; Tatsumune Abe)</b>	
16:00-16:25	19143 Interactive Estimator for Stochastic Differential Equation, Tatsumune Abe-- Ryoji Fukuda
16:30-16:55	19364 Systems of linear equations and their applications-- Tuba Kaplan, Ahmet Işık, Ferhat Öztürk
<b>Room 3: (Chair: Jiyang Wang)</b>	
16:00-16:25	The Practice and Thinking of the Integration of Graphing Calculators with Mathematics Teaching in China, Rongbao Tu & Weilin Tao
16:30-16:55	The Past, Present and Future of the Integration of Technology with Mathematics Exploring Activity in China, Jinsong Zhang & Jiyang Wang
<b>Room 4: (Chair: Yapin Tian)</b>	
16:00-16:25	19097 An experiment in Mathematics -the Attenuation of the Sound Intensity - Li QiuXia
16:30-16:55	19058 MCL is "catalyst" of promoting the comprehensive development of students under the new curriculum – Yapin Tian
<b>16:00 - 17:00</b>	<b>Hands-on Workshops</b> (GC stands for calculator workshops; CW stands for computer workshops)
	(GC Room 5) 19569 Mathematical Modelling: A pedagogic context or a boundary? - Chris Olley
	(GC Room 6) Bilimsel Hesap Makinelerinin Trigonometri Problemlerinde Kullanımı -- BaşarCoşkunoğlu
	(CW3 Computer Room 1) 18967 Graphing surfaces $z = f(x,y)$ with Cabri 3D-- Jean-Jacques Dahan
	(CW4 Computer Room 2) 19176 Advanced Sketchpad Version 5 Workshop: Focus on Transformations--Nicholas Jackiw, Steven Rasmussen
09:00-17:00	<b>Exhibitions</b>
18:00-19:00	<b>Dinner</b>
19:00-22:00	<b>Local Social Programme to be announced</b>

## September 21, 2011 (Wednesday)

**8:00-8:50 Registration: Hotel**

<b>9:00-9:50</b>	<b>Plenary Speech 2: Room 1: Chair: Erol Karakırık</b>
	<i>19140 Imagery and The Geometric Imagination-- Nicholas Jackiw</i>

10:00-10:30 Tea Break

10:30-11:30	<b>Parallel Session III: Presentations (Each contributed paper presentation slot is 20 minutes, unless otherwise specified. Please allow 3 minutes for Q&amp;A, and 2 minutes for changeover)</b>
	<b>Room 1: (Chair: Guangming Wang )</b>
10:30-10:55	19038 Case analyses of “use MCL to promote the students’ practicable ability of mathematics”-Guangming Wang and Guanghui Li
11:00-11:25	19182 A Mathematics Research of a Project Case under the Conditions of MCL -Zhao Tao, Yuanxun Sun, Xiaoling Yang
	<b>Room 2: (Chair: Masataka Kaneko &amp; Deane Arganbright)</b>
10:30-10:55	19192 Innovative Uses of Excel in Linear Algebra - Deane Arganbright
11:00-11:25	19098 Influence of using KETpic graphics on the development of collegiate students' proof schemes - Masataka Kaneko, Setsuo Takato
	<b>Room 3: (Chair: In-Ok Jang &amp; Steven Rasmussen)</b>
10:30-10:55	19193 Develop Students' Visualization and Understanding of Functions Through Geometry and Pictures with Sketchpad 5, Scott Steketee, Steven Rasmussen
11:00-11:25	19194 The strategic Thinking of Mathematically Gifted Elementary Students in LOGO Project Learning - In-Ok Jang, Hee-Chan Lew
	<b>Room 4: (Chair: Li Hong &amp; Chang Wenwu)</b>
10:30-10:55	19090 An Anchored Instruction Case Study: Developing Fifteens Puzzle as a Graphical Calculator Class Task-- Chang Wenwu, Xinsheng Lu
11:00-11:25	19107 The Role of the Graphing Calculator in the Qualitative Analysis of Function-- Li Hong
<b>10:30 - 11:30</b>	<b>Hands-on Workshops (GC stands for calculator workshops; CW stands for computer workshops)</b>
	(GC Room 5) 19359 Pat Tunnicliffe, Chris Olley, Developing open teaching supported by the implementation of graphing calculators in the UAE
	(GC Room 6) 18968 Jean-Jacques Dahan, The 3D grapher of TI N'Spire
	(CW5 Computer Room 1) 19006 Jen-Chung Chuan: How to Turn a Polyhedron Inside Out?
	(CW6 Computer Room 2) 19177 Steven Rasmussen: Introduction to TinkerPlots Version 2
11:30-12:30	<b>Parallel Session IV: Presentations (Each contributed paper presentation slot is 20 minutes, unless otherwise specified. Please allow 3 minutes for Q&amp;A, and 2 minutes for changeover)</b>
	<b>Room 1: (Chair: Beverly Ferrucci)</b>

11:30-11:55	18950 Integrating Maplets and Other Technology into an Online Calculus Course - Denise LeGrand, Thomas McMillan
12:00-12:25	19029 Curiosity killed the cat. Creativity have mathematics classrooms killed it? Christopher Longhurst
<b>Room 2: (Chair: Yoichi Maeda)</b>	
11:30-11:55	18953 Development of Creativity Using 3D Dynamic Geometry System InMA - Shelomovskiy Vladimir
12:00-12:25	18834 Dynamic construction of the common perpendiculars in the three-sphere - Yoichi Maeda
<b>Room 3: (Chair: Barry Kissane)</b>	
11:30-11:55	19155 Mathematics curriculum consequences of calculator choice-- Barry Kissane
12:00-12:25	19036 Teaching design based on Inquiry learning – Find the way to make acceptable "statistics"- Yiming Cao and Pengju Chen
<b>Room 4: (Chair: Ali Delice)</b>	
11:30-11:50	Görme engelli öğrenciler için görsel olmayan matematik eğitimi-- Zeynep Aslı Doğan
11:50-12:10	Öğretmen adaylarının teknoloji kullanımına yönelik algıları ve akademik başarıları arasındaki ilişki-- Sevinç Mert Uyangör, Mevhibe Kobak
12:10-12:30	Matematik ve sınıf öğretmenlerinin teknolojinin öğrenmeye etkisi ile ilgili düşünceleri --Servet Demir, Fatih Özmantar, Erhan Bingölbali
<b>Room 5: (Chair: Zlatan Magajna&amp; In-Sun Shin)</b>	
11:30-11:55	18972 Visualization of Rational Numbers Commensurability by Using Dynamic Geometry Software - In-Sun Shin, Ji-Eon Kim
12:00-12:25	19367 A geometric eye for dynamic geometry – Zlatan Magajna
<b>Room 6: (Chair: Chee-Keong Chong)</b>	
11:30-11:55	19060 A Preliminary Study on the Use of Online Resources in Quantitative Techniques for First Year Business Students in a Malaysian Private University-- Chee-Keong Chong, You-How Go, Ying-Yin Koay, et al.
12:00-12:25	19179 Transversal Mathematical Teaching Focus Across other Sciences-- Horacio E. Bosch, Noemi Geromini, Mercedes Bergero, et al.

**12:30-13:30 Lunch Break**

13:30-14:20	<b>Invited Speaker 4: Room 1: (Chair: Mirek Majewski):</b> 19017 How to Double the Rate of Discovery with Cabri 3D? Jen-chungChuan
	<b>Invited Speaker 5:Room 2: (Chair: Yiming Cao):</b> 19425Graphing Calculators in Secondary Mathematics Teaching and Learning - Chang Pei Wang, GT Springer
	<b>Invited Speaker 6: Room 3: (Chair: Krongthong Khairiree):</b> 19054 New Content, Methods, and Approaches Promoted by the Integration of Technology in Secondary Mathematics Antonio R. Quesada

14:30-15:30	<b>Parallel Session V: Presentations (Each contributed paper presentation slot is 20 minutes, unless otherwise specified. Please allow 3 minutes for Q&amp;A, and 2 minutes for changeover)</b>	
	<b>Room 1: (Chair: Christian Dohrmann &amp; Alfred Wassermann )</b>	
14:30-14:55	19101	Interactive Mathematics on multi-touch tablet PCs-- Alfred Wassermann, Matthias Ehmann, Michael Gerhaeuser
15:00-15:25	19379	Touch2Learn - Using Multi-Touch technology on content focused learning in Mathematics-- Christian Dohrmann
	<b>Room 2: (Chair: Ferhat Öztürk &amp; Mehmet Fatih Ozmantar )</b>	
14:30-14:55	19330	Integration of technology into teaching mathematics: levels of technology use and role of participants-- Mehmet Fatih Ozmantar, Servet Demir, Erhan Bingolbalı
15:00-15:25	19363	Periodic functions and their applications - Ferhat Öztürk, Ahmet Işık, Tuba Kaplan
	<b>Room 3: (Chair: Burcu Akaydın &amp; Abdulkadir Erdogan)</b>	
14:30-14:55	19073	The first steps of an online forum project to help students in mathematics – Abdulkadir Erdogan
15:00-15:25	19102	We welcomed M. C. Escher in Turkey's new geometry programme – Burcu Akaydın, Mujde Uysal
	<b>Room 4: (Chair: Mustafa Doğan)</b>	
14:30-14:50		Cabri geometri yazılımı yardımıyla üçgende açı-kenar bağıntılarının öğretimi: etkinlik örneği -Gökhan Karaaslan, Gizem Karaaslan
14:50-15:10		Katı cisimler konusunun öğretiminde teknoloji destekli proje uygulaması-- Aytaç Kurtuluş, Candaş Uygan
15:10-15:30		İlköğretim 8. sınıf düzeyinde geometrik cisimlerin yüzey alanları ve hacimleri konularında bilgisayar destekli öğretim materyalinin hazırlanması-- Zeynep Yıldız

14:30-15:30	<b>Hands-on Workshops (GC stands for calculator workshops; CW stands for computer workshops)</b>	
	(GC Room 5)	19075 Lim Kian Boon Lim, Tau Han Cheong: The Educational Use of Scientific Calculators
	(GC Room 6)	19561 Christopher Longhurst, Handheld technology and calculus
	(CW7 Computer Room 1)	18937 Kate Mackrell: Dynamic Geometry, Dynamic Art
	(CW8 Computer Room 2)	18961 Krongthong Khairiree: Exploring Mathematics with the Geometer's Sketchpad Version 5

15:30-16:00 **Tea Break+ Poster Sessions**

- 18980 The Technology in the Teaching of Calculus. An Experience with Social Science Students Jose Ortiz
- 18938 Design Decisions in Interactive Geometry Software: Kate Mackrell
- 19360 Multiplex-R: Basic concepts of numbers and operations through multi-touch & linked multiple representations: SilkeLadel
- 19555 Maplets for Calculus: Douglas Meade, Philip Yasskin
- 19368 Introduction of Complex Geometry by Learning Visually with Technology Chieko Fukuda, Kyoko KAKIHANA

16:00-17:00	<b>Parallel Session VI Presentations (Each contributed paper presentation slot is 20 minutes, unless otherwise specified. Please allow 3 minutes for Q&amp;A, and 2 minutes for changeover)</b>	
<b>Room 1: (Chair: Emin Aydın)</b>		
16:00-16:20	İlköğretim öğretmenlerinin teknolojik araçların öğrencilerin öğrenmesine katkısı ile ilgili düşünceleri-- Ali Bozkurt, Servet Demir, Erhan Bingölbali	
16:20-16:40	Öğretmen adaylarının eğitim-öğretim etkinliklerinde akıllı tahta kullanımına yönelik görüşleri-- Sevinç Mert Uyangör, Mevhibe Kobak, Emel Karacak	
16:40-17:00	İlköğretim matematik öğretiminde vitamin yazılımının kullanımına yönelik öğrenci görüşleri-- Jale Özdemir, Gülnur Karslıgil, Ali Bozkurt	
<b>Room 2: (Chair: Ling Yiguo)</b>		
16:20-16:25	19051 Mobile Calculating Lab (MCL) based Mathematics Application-- Ling Yiguo	
16:30-16:55	19110 On Construction of Teaching Mode of Mathematics Experiment Based on MCL - Lu Mingming	
<b>Room 3: (Chair: Mevhibe Kobak &amp; Nilüfer Y. Köse)</b>		
16:00-16:25	19103 Effects of Technology Use on Geometrical Construction, Nilüfer Y. Köse, Emel Ozdemir Erdogan, Tuba Yuzugullu Ada, et al.	
16:30-16:55	19196 The role of inspiration software in teacher candidates' preparation of concept mapping – Mevhibe Kobak, Sevinç Mert Uyangör	
<b>Room 4 : (Chair: Chengyang Liu &amp; Ana DonevskaTodorova )</b>		
16:00-16:25	19082 To Make APLET according to Actual Condition, Chengyang Liu - Jianyi Yang - Zhenping Rao	
16:30-16:55	19084 Developing Concepts in Linear Algebra and Analytic Geometry by the Integration of DGS and CAS - Ana Donevska Todorova	

16:00-17:00	<b>Hands-on Workshops (GC stands for calculator workshops; CW stands for computer workshops)</b>	
	(GC Room 5) 19353 Learning mathematics with an advanced scientific calculator-- Marian Kemp, Barry Kissane	
	(GC Room 6) Bilimsel Hesap Makinelerinin Açılar Konusunda Kullanımı-- Yusuf Zeren	
	(CW9 Computer Room 1) Euclid geometrisi-üçgenler ile ilgili teorem uygulamaları- Rifat İlhan	
	(CW10 Computer Room 2) 19356 Applications of Trigonometry and Polar Functions in Grade 10-11 Math – Tonguc Ozdas, Seda Eren	

09:00-17:00 Exhibitions

18:00-19:00 Dinner

19:00-22:00 Local Social Programme to be announced

## September 22, 2011 (Thursday)

8:00-8:50 **Registration: Hotel**

9:00-9:50

**Plenary Speech 3: Room 1: Chair: Hee-Chan Lew**

*18798 Geometric ornaments in İstanbul – Miroslaw Majewski*

**10:00-10:30 Tea Break**

10:30-11:30

**Parallel Session IV: Presentations (Each contributed paper presentation slot is 20 minutes, unless otherwise specified. Please allow 3 minutes for Q&A, and 2 minutes for changeover)**

**Room 1: (Chair: Serkan Ozel & Erhan Bingolbali)**

10:30-10:55 19347 A Technological Approach to Provide Professional Developments to Teachers on Using Technology, Serkan Ozel, Zeynep Ebrar Ozel, Tufan Adiguzel

11:00-11:25 19334 What knowledge teachers need for efficient technology integration into mathematics teaching?: an examination through tpck – Erhan Bingolbali, Servet Demir, Fatih Ozmantar, Ali Bozkurt

**Room 2: (Chair: Ivonne Sandoval)**

10:30-10:55 19191 Integration of Interactive Resources into the Teaching of Mathematics in Primary Education in Mexico - Ivonne Sandoval, Edda Jimenez

11:00-11:25 19513 A Technology Friendly Mathematics Teaching Methodology" -Diana M. Audi, Mohamed K. Watfa.

**Room 3: (Chair: İbrahim BAYAZIT)**

10:30-10:55 18973 An innovative approach to learning process: effects of dynamic modeling on teaching of mathematics – Halil Ardahan

11:00-11:25 19602 Trainee teachers' attitudes about materials and technology use in mathematics education-- Mustafa Doğan

**Room 4: (Chair: Jean-Jacques Dahan)**

10:30-10:55 18984 Development of Online Learning Sources on Applied Statistics – Somruay Apichatibutarapong

11:00-11:25 19022 Revisiting the teaching of perimeter, area and volume at a middle school level with Cabri environments - Jean-Jacques Dahan

10:30-11:30

**Hands-on Workshops** (GC stands for calculator workshops; CW stands for computer workshops)

(GC Room 5) 19354 First steps in learning mathematics with a graphics calculator-- Marian Kemp

(CW11 Computer Room 1) Fraktal Uygulamaları - Ali Delice

(CW12 Computer Room 2) 18993 Creating Interactive Mathematics with Cinderella and CindyScript-- Ulrich Kortenkamp

**11:30-12:30 Parallel Session V: Presentations (Each contributed paper presentation slot is 20 minutes, unless otherwise specified. Please allow 3 minutes for Q&A, and 2 minutes for changeover)**

<b>Room 1: (Chair: Mohsen Mohammadiza)</b>	
11:30-11:55	19366 Represent of Mathematic Model for Forming of Optimizing the Concrete Domes- MOHSEN MOHAMMADIZADEH, Mohsen Mohammadizadeh, Nahid Moayeri
12:00-12:25	19362 Creativity in The Mathematics Education- NAHID MOAYERI, Mohsen Mohammadizadeh
<b>Room 2: (Chair: Leonard Louis Raj)</b>	
11:30-11:55	19600 FOCUSING LEARNING ON CONCEPTS OF INTRODUCTORY LINEAR ALGEBRA USING MAPLE-Leonard Louis Raj
12:00-12:25	18790 "Spreadsheet as an innovative tool for Traditional Counting"- Thadreina Abady
<b>Room 3: (Chair: Leonard Louis Raj)</b>	
11:30-11:55	19089 THE EFFECTIVENESS OF USING SCIENTIFIC CALCULATOR IN SOLVING NON-LINEAR EQUATIONS BY NEWTON-RAPHSON METHOD-Kian Boon Lim, Grace Joy Yong, Tau Han Cheong, Kim Gaik Tay
<b>11:30-12:30</b>	<b>Hands-on Workshops</b> (GC stands for calculator workshops; CW stands for computer workshops)
	(GC Room 4) 19355 Learning mathematics with a scientific calculator- Barry Kissane, Marian Kemp
	(CW13 Computer Room 1) 19361 Using Graphical Software in Mathematical Modeling Tasks. PINAR ÖZKUL SEZGÝN

**12:30-13:30 Lunch Break**

13:30-14:25	<b>Invited Speaker 7: Room 1: (Chair: Antonio R. Quesada):</b> 18981 Tilings, Patterns and Technology-- Ma. Louise Antonette De Las Penas, Angela Fatima Guzon
	<b>Invited Speaker 8:Room 2: (Chair: Christian Dohrmann):</b> 19048 Cases in Technology-Enriched School Mathematics-- Beverly Ferrucci, Ngan Hoe Lee
	<b>Invited Speaker 9: Room 3: (Chair: Ma. Louise Antonette De Las Penas):</b> 19335 Technology Has Shaped Up Mathematics Communities-- Wei-Chi Yang

**14:30-15:30 Parallel Session VI: Presentations (Each contributed paper presentation slot is 20 minutes, unless otherwise specified. Please allow 3 minutes for Q&A, and 2 minutes for changeover)**

<b>Room 1: (Chair: Emin Aydin)</b>	
14:30-14:55	19325 Developing preservice teachers' creativity in the Geometer's Sketchpad environment – Jale İpek Bintaş
15:00-15:25	19091 Solving Non-Linear Equation by Newton Raphson Method using Built in Derivative Function in Casio fx-570ES Calculator - TAU HAN CHEONG, KIAN BOON LIM, Tay Kim Gaik

<b>Room 2: (Chair: Tom Button)</b>	
14:30-14:55	19046 Applications using Graphics Calculators - Tom Button
15:00-15:25	18933 The Development of Multimedia Courseware of Lines and Planes in 3Dimensions: an Application of van Hiele's Levels - Wan Fatimah Wan Ahmad, Syazwan Noordin
<b>Room 3: (Chair: Emin Aydın)</b>	
14:30-14:50	İşlem oyununun bilgisayar simülasyonu ve eğitim materyali olarak kullanılması-- Naim Çağman, Uğur Erkan
14:50-15:10	Eğitsel bilgisayar oyunlarının, matematik öğretmen adaylarının ms office programları kullanım becerisine etkisi: Ribbon hero 2 örneği- Sezin Eşfer
15:10-15:30	Örüntü-Fraktal ile Öğrenci Arasında Bir Köprü: Teknoloji --Şadan Efe, Ali Delice
<b>Room 4: (Chair: Takahashi Tadashi)</b>	
14:30-14:55	19185 On the Effective Use of GeoGebraCAS in Mathematics Education - HironoNaotoshi, Takahashi Tadashi
15:00-15:25	19019 Developing Mathematical Teaching Materials of Fundamental Analytic Geometry and Conic Sections Using The Geometer's Sketchpad (GSP) on Students in Grade 10 – Ubol Klongkratoke
<b>Room 5: (Chair: Gülseren K)</b>	
14:30-14:55	18969 The Gambler's Ruin--Analysis by Spreadsheet - Thomas McMillan--James Fulmer
15:00-15:25	Understanding of average rate, constant rate, instantaneous rate and their relationship with differentiation: an application with ti83+ calculator-- Gülseren K. Akar
<b>Room 6 (Chair: FatmaAslan-Tutak, Guney Hacıömeroğlu)</b>	
14:30-14:55	18994 Secondary school preservice mathematics teachers' experiences of Geogebra for geometry teaching- FatmaAslan-Tutak, Guney Hacıömeroğlu
15:00-15:25	18996 Preservice teachers' reflections on creation of geogebra materials and lesson plans – Guney Hacıömeroğlu, FatmaAslan-Tutak
<b>14:30 - 15:30</b>	<b>Hands-on Workshops</b> (GC stands for calculator workshops; CW stands for computer workshops)
	(CW14 Computer Room 1) 18970 Jean-Jacques Dahan Surfaces with Autograph
	(CW15 Computer Room 2) 19326 Ngan Hoe Lee, Beverly Ferrucci: Technology-Rich Learning Experiences from the Web for the Mathematics Classroom

### 15:30-16:00 Tea Break+ Poster Sessions

- 18980 The Technology in the Teaching of Calculus. An Experience with Social Science Students Jose Ortiz  
18938 Design Decisions in Interactive Geometry Software: Kate Mackrell  
19360 Multiplex-R: Basic concepts of numbers and operations through multi-touch & linked multiple representations: SilkeLadel  
19555 Maplets for Calculus: Douglas Meade, Philip Yasskin  
19368 Introduction of Complex Geometry by Learning Visually with Technology Chieko Fukuda, Kyoko KAKIHANA

16:00-17:00	<b>Parallel Session VII: Presentations (Each contributed paper presentation slot is 20 minutes, unless otherwise specified. Please allow 3 minutes for Q&amp;A, and 2 minutes for changeover)</b>
	<b>Room 1: (Chair: Thomas McMillan)</b>
16:00-16:25	18971 Using Clickers to Review Prerequisite Material and Reading Assignments Thomas McMillan, James Fulmer
16:30-16:55	19146 Ubiquitous Mathematical Graphic Viewer for Visually Impaired Students Ryoji Fukuda, Akihiro Miura
	<b>Room 2: (Chair: Fatih Özmantar)</b>
16:00-16:20	Geogebra ile Matematik Müfredatına Uygun Örnek Uygulama Geliştirme-- Mustafa Doğan, Abdülkadir Öner
16:20-16:40	Öğretmenler Teknolojik Alan Bilgisi Açısından ne kadar yeterliler? Ferhan Bingölbali -Erhan Bingölbali --Servet Demir
16:40-17:00	Matematik eğitiminde uzaktan eğitimin rolü--Halil Keskinbıçak, Erdinç Aydoğan
	<b>Room 3 : (Chair: Wan Fatimah Wan Ahmad)</b>
16:00-16:25	TI-NspireTM CAS Destekli İlköğretim 8. Sınıf Matematik Dersinden İzlenimler --Zeliha Dur, Emel Özdemir Erdoğan
16:30-16:55	TI-Nspire CAS Kullanımının Geometri Dersine Entegrasyonu Üzerine Bir Çalışma--Emel Özdemir Erdoğan, Nilüfer Y. Köse, Dilek Tanışlı,Tuba Yüzügülü Ada
	<b>Room 4 : (Chair: Shelomovskiy Vladimir)</b>
16:00-16:25	New developments in the GeoGebra software and within its community – Zsolt Lavicza
16:30-16:55	18999 Integrating Weblog in Teaching of Higher-order Thinking – Rossukhon Makaramani
<b>16:00 - 17:00</b>	<b>Hands-on Workshops</b> (GC stands for calculator workshops; CW stands for computer workshops)
	(GC Room 5) Bilimsel Hesap Makinelerinin Logaritma Konusunda Getirdikleri Kolaylıklar-- Başar Coşkunoglu
	(CW16 Computer Room 1) 19556 Douglas Meade: Introduction to Maple 15
	(CW17 Computer Room 2) 19344 Drew Ishii: Getting Beyond the Visual Hurdles of Calculus in Three Dimensions
09:00-17:00	<b>Exhibitions</b>
18:00-19:00	<b>Dinner</b>

19:00-22:00 **Local Social Programme to be announced**

## September 23, 2011 (Friday)

9:00-9:50	<b>Invited Speaker 10: Room 1: (Chair: Beverly Ferrucci):</b> 19339 Constructivist in Mathematics in Virtual Class with Moodle and The Geometer's Sketchpad – Krongthong Khairiree
	<b>Invited Speaker 11: Room 2: (Chair: Zlatan Magajna):</b> Raising technology awareness in mathematics teaching in Turkey- ATCM 2011 LOC .
	<b>Invited Speaker 12: Room 3: (Chair: Wei-Chi Yang):</b> 19094 Derivation of New Geometry Statements by Automated Tools – Pavel Pech
<b>10:00-10:50</b>	<b>Plenary Speech 4: Room 1: Chair: Ma. Louise Antonette De Las Penas</b>
	<i>19557 Douglas Meade Student-Friendly Technology-Aided Calculus Applications with Minimal Overhead</i>
11:00-11:30	<b>Tea Break</b>
11:30-12:30	<b>Closing Ceremony: Room 1</b>
12:30-13:30	<b>Lunch and Farewell</b>
13:30-17:30	<b>Local Trip</b>