



SECOND ANNOUNCEMENT

10 - 15 JULY 2011 ANKARA / TURKEY

35TH

CONFERENCE OF THE INTERNATIONAL GROUP FOR THE PSYCHOLOGY OF MATHEMATICS EDUCATION

DEVELOPING MATHEMATICAL THINKING

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Welcome

Behiye UBUZ (Chair of PME 35) and the Local Organizing Committee invite you to attend to *the 35th Conference of the International Group for the Psychology of Mathematics Education* (PME 35), to be held at the Orta Doğu Teknik Üniversitesi (ODTÜ) [Middle East Technical University (METU)], Ankara, Turkey, from 10 to 15 July, 2011.

The theme of the conference, “*Developing Mathematical Thinking*”, has been chosen as the development of mathematical thinking is an explicit part of National Curricula and Standards all over the world.

All our efforts will be directed to make our 2011 annual meeting socially and scientifically successful. We hope that your stay in Turkey will be a pleasant experience and look forward to seeing you in Ankara, in July 2011.

Conference Dates

Registration will take place on the 10th of July from 10:00 to 12:30 at Ankara Hilton Hotel and from 14:30 to 16:30 at the Cultural and Convention Center (see map of the site at the website, <http://www.pme35.metu.edu.tr/>)

Opening Sessions, First Plenary Address and Opening Reception will take place on the 10th of July at 16:30 in the Cultural and Convention Center at the Orta Doğu Teknik Üniversitesi [Middle East Technical University].

Conference Excursions will start on the 13th of July at 12:30 (see relevant section below for more details).

Conference Dinner and Dance will take place on the 14th of July at 21:00.

Closing session will be at 13:10 on Friday, July 15th at the Cultural and Convention Center.

PME36 will take place in **Taipei-Taiwan**, 18-22 July 2012

Committees and Secretariat of PME 35

Two committees are responsible for the organization of the PME 35 Conference

The International Program Committee (IPC)

João Filipe de Matos	University of Lisbon (Portugal), President of PME
Behiye Ubuz	Middle East Technical University (Turkey), Chair of PME 35
Hatice Akkoç	Marmara University (Turkey)
İbrahim Bayazıt	Erciyes University (Turkey)
Aiso Heinze	Leibniz Institute for Science Education (Germany)
Mehmet Fatih Özmantar	Gaziantep University (Turkey)
Tim Rowland	Cambridge University (United Kingdom)
Tai-Yih Tso	National Taiwan Normal University (Taiwan)

The Local Organizing Committee (LOC)

Middle East Technical University (METU) Component

Meral Aksu	METU
Safure Bulut	METU
Erdoğan Çakıroğlu	METU
Bülent Çetinkaya	METU
Ayhan Kürşat Erbaş	METU
Çiğdem Haser	METU
Mine Işıksal	METU

National Component

Petek Aşkar	İzmir Ekonomi University
Cengiz Alacacı	Bilkent University
Murat Altun	Uludağ University
Oylum Akkuş	Hacettepe University
Adnan Baki	Karadeniz Teknik University
Erhan Bingölbalı	Gaziantep University
Güney Hacıömeroğlu	Çanakkale OnSekiz Mart University
Burcu Karahasan	Bilkent University
Sibel Kazak	Pamukkale University
Şeref Mirasyedioğlu	Başkent University

Sinan Olkun	Ankara University
Asuman Duatepe Paksu	Pamukkale University
Zülbiye Toluk Uçar	Abant İzzet Baysal University
Aysun Umay	Hacettepe University
Sibel Yeşildere	Dokuz Eylül University

Conference Scientific Secretariat:

For matters related to the scientific issues of the conference (program, presentations, equipment, etc.) please contact

Meriç Özgeldi

Elementary Education/Middle East Technical University

06531 Ankara, Turkey

Phone: + 90 312 210 40 62

Fax: + 90 312 210 79 71

E-mail: scpme35@metu.edu.tr

Conference Registrar:

For matters related to the registration and payment please contact

A. Kürşat Erbaş

Secondary Science and Mathematics Education/Middle East Technical University

06531 Ankara, Turkey

Phone: + 90 312 2103652

Fax: + 90 312 2107971

E-mail: pme35register@gmail.com

Conference Administrative Secretariat:

For matters related to the administrative issues of the conference (accommodation, excursion, travels, etc) please contact:



Tolga Koç

ARBER Professional Tourism and Congress Services

Sair Nedim Sokak No: 19/ 1 06540 A.Ayranci / Ankara - TURKEY

Phone : + 90.312.441 07 00

Fax : + 90.312.441 07 01

E-mail : adminpme35@arber.com.tr

PME 35 has a website at <http://www.pme35.metu.edu.tr> where you can find updated information.

About the PME

The International Group for the Psychology of Mathematics Education (PME) is an autonomous body, governed as provided for in the constitution. It is an official subgroup of the International Commission for Mathematical Instruction (ICMI) and came into existence at the Third International Congress on Mathematics Education (ICME3) held in Karlsruhe, Germany in 1976.

The Constitution of PME

The constitution of PME was adopted by the Annual General Meeting on the 17th of August, 1980 and changed by the Annual General Meetings on the 24th of July, 1987, on the 10th of August, 1992, on the 2nd of August, 1994, on the 18th of July, 1997 and on the 14th of July, 2005. We print here only two parts of the constitution. As members it is important that you are aware of your rights. The group has the name “International Group for the Psychology of Mathematics Education”, abbreviated to PME. The major goals of the Group are:

- to promote international contact and exchange of scientific information in the field of mathematical education;
- to promote and stimulate interdisciplinary research in the aforesaid area; and
- to further a deeper and more correct understanding of the psychological and other aspects of teaching and learning mathematics and the implications thereof.

All information concerning PME and its constitution can be found at the PME Website:
<http://www.igpme.org>

Honorary members of PME

Efraim Fischbein (Deceased), Hans Freudenthal (Deceased), and Joop Van Dormolen (Retired)

International Committee of PME

President:	João Filipe Matos	University of Lisbon (Portugal)
Vice President:	Aiso Heinze	Leibniz Institute for Science Education (Germany)
Secretary:	Laurie Edwards	St. Mary's College of California (USA)
Treasurer:	Mariann Tzekaki	Aristotle University of Thessaloniki (Greece)
Members:		
	Silvia Alatorre	Universidad Pedagogica Nacional (Mexico)
	Samuele Antonini	Universita' Di Pavia (Italy)
	Bettina Dahl	Aarhus University (Denmark)
	Soendergaard	
	Olimpia Figueras	Instituto Politécnico Nacional (Mexico)
	Cristina Frade	Universidade Federal de Minas Gerais (Brazil)
	Marj Horne	Australian Catholic University (Australia)
	Alena Hospesova	University of South Bohemia (Czech Republic)
	Bat-Sheva Ilany	Beitberl (Israel)
	Jeong Suk Pang	Korea National University of Education (Korea)
	Marcia Pinto	Universidade Federal de Minas Gerais (Brazil)
	Núria Planas	Universitat Autònoma de Barcelona (Spain)
	Tim Rowland	The University of Cambridge (United Kingdom)
	Tai-Yih Tso	Hsin-Chu University of Education (Taiwan)

PME Administrative Manager

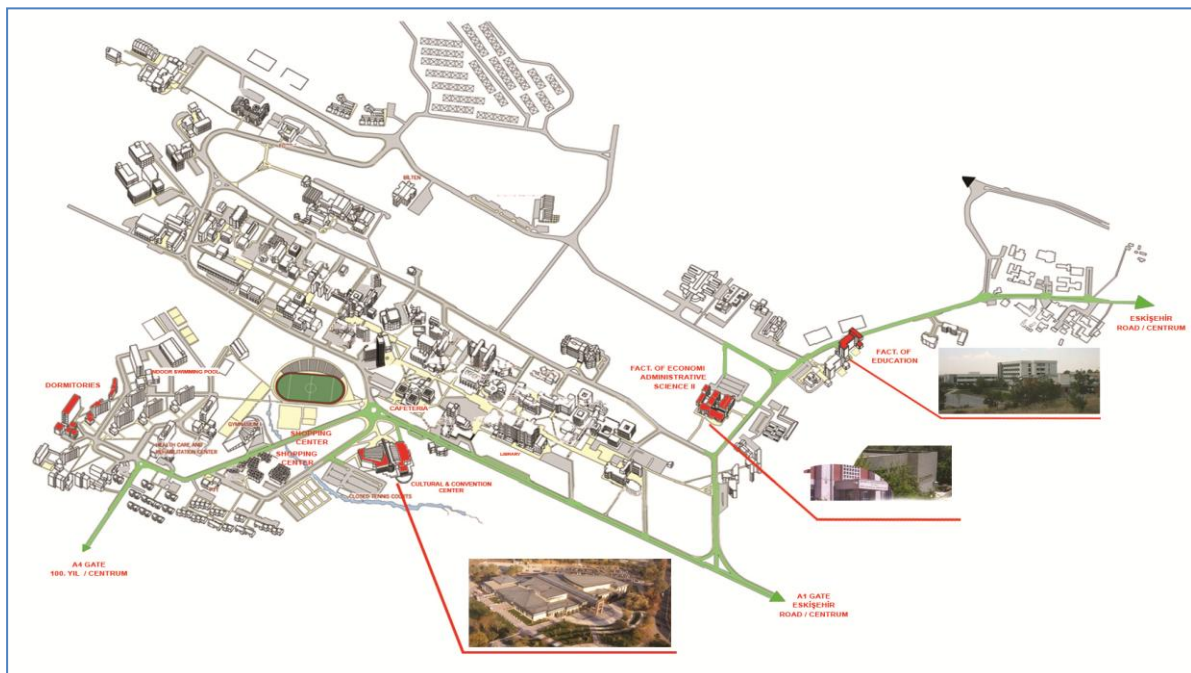
Bettina Roesken

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Conference Venue



The conference venues will be the Cultural and Convention Centre (<http://www.ccc.metu.edu.tr>), Department of Business Administration (<http://www.ba.metu.edu.tr>) and Faculty of Education (<http://www.fedu.metu.edu.tr/web/eng/index.html>), located in the campus of Middle East Technical University (<http://www.metu.edu.tr>).



The participants will be transported from the conference hotels to the conference venue.

The Scientific Program

The theme of the 35th Conference of PME is

“Developing Mathematical Thinking”

The conference language is English. Papers for the proceedings must be written and presented in English. However, colleagues, including the presenters, are welcome to contribute to discussions and questions following a Research Report or a Short Oral Communication in their first language, provided that translation is possible by someone present in the session.

No one is allowed to have his or her name on the program more than four times, as an author or co-author, on any kind of presentation or group session.

The scientific program includes the following activities:

Plenary Sessions

Plenary Addresses

There are four *Plenary Addresses* from invited speakers who will approach the theme of the conference from different perspectives:

- Prof. Dr. **Janet Ainley**, The University of Leicester / United Kingdom
Developing Purposeful Mathematical Thinking: A Curious Tale of Apple Trees
Reactor: Teresa Rojano, Centre for Research and Advanced Studies (Cinvestav) IPN/
Mexico
- Prof. Dr. **Ali Doğanaksoy**, Middle East Technical University/ Turkey
Morals of an Anecdote as Starting Point of a Lecture in Mathematics
- Prof. Dr. **Brian Doig**, Deakin University/ Australia
Children’s Informal Reasoning: Concerns and Contradictions
- Prof. Dr. **Konrad Krainer**, Alpen-Adria Universitat Klagenfurt/ Austria
Teachers as Stakeholders in Mathematics Education Research
Reactor: Minoru Ohtani, Kanazawa University/ Japan

A Plenary Panel

A Plenary Panel will also be offered on:

Supporting the Development of Mathematical Thinking

Convenor:

Prof.Dr. Olive Chapman, University of Calgary, Canada

Panelist:

- Prof. Dr. Gabriele Kaiser, University of Hamburg, Germany
- Prof. Dr. Uri Leron, Technion-Israel Institute of Technology, Israel
- Prof. Dr. Frederick K.S. Leung, The University of Hong Kong, Hong Kong
- Prof. Dr. Carolyn Maher, Rutgers-The State University of New Jersey, USA

Group Presentations and Activities

Group activities are intended to provide attendees with the opportunity to exchange information and ideas related to the PME. Conference participants will need to select which sessions they would prefer to attend and indicate this in their registration. Group activities take place during the parallel time allotments, and have limited space.

Research Forums (RF)

The goal of a Research Forum (RF) is to create dialogue and discussion, by offering PME members more elaborated presentations, reactions, and discussions on topics on which substantial research has been undertaken and which continue to hold the active interest of a large subgroup of PME. A Research Forum is not supposed to be a collection of presentations, but to convey an overview of an area of research, its main current questions and perspectives.

Two 90-minute slots will be devoted to each Research Forum.

The following Research Forums have been approved by the International Program Committee of PME35:

- **RF1:** Researching the Nature and Use of Tasks and Experiences for Effective Mathematics Teacher Education

Co-ordinators: Peter Sullivan and Orit Zaslavsky

- **RF2:** Problem Posing in Mathematics Learning and Teaching: A Research Agenda

Co-ordinators: Florence Mihaela Singer, Nerida Ellerton, Jinfa Cai, and Eddie Leung

Working Sessions (WS)

Proposals for a Working Session were submitted online via the registration system, by means of a one-page abstract. The deadline for the submission of a WS was **March 1st, 2011**. The number of the **submitted proposals was 5**.

Proposals for WS were reviewed by the members of the IPC. Notifications of the decision of the program Committee were sent by **April 7th, 2011**.

Accepted proposals for a Discussion Group will be included in the conference proceedings, provided the full Conference Fees for both the coordinators and the assistant coordinators are paid before **May 16th, 2011**.

Two 90-minute sessions will be allocated to Working Sessions.

The accepted Working Sessions are listed below:

- **WS1:** *Creativity and Modeling*
Stephen Hegedus, Beste Gucler, Richard Lesh, and Nicholas Mousoulides
- **WS2:** *Exploring the Transition to and Within University Mathematics From Different Perspectives*
Elena Nardi and Paola Iannone
- **WS3:** *Gesture, Multimodality and Embodiment in Mathematics*
Laurie Edwards, Janete Bolite Frant, Ornella Robutti, and Luis Radford
- **WS4:** *Mathematics Education and Society*
Marcelo Salles Batarce; Adriana Mattos, Marco Escher, and Steve Lerman
- **WS5:** *The Learning and Development of Mathematics Teacher Educator-Researchers*
Merrilyn Goos, Olive Chapman, Laurinda Brown, and Jarmila Novotna

Each WS is required to send a report of its activities to the Administrative Manager to be included in PME News. This report is due by **September 20th, 2011**.

Discussion Groups (DG)

Proposals for a Discussion Group were submitted to the International Program Committee by means of a one-page abstract. The deadline for the submission of DG proposals was **March 1st, 2011**. The number of the **submitted proposals was 10**.

Proposals for DG were reviewed by the members of the IPC. Notifications of the decision of the program Committee were sent by **April, 7th, 2011**. Accepted proposals for a Discussion Group will be included in the conference proceedings, provided the full Conference Fees for both the coordinators and the assistant coordinators are paid before **May 16th, 2011**.

Two 90-minute sessions will be allocated to Discussion Groups.

The accepted Discussion Groups are listed below:

- **DG1:** *Digital Games: New Potential For Mathematics*

Robyn Jorgensen, Tom Lowrie, and Peter Gates

- **DG2:** *Intuitive And Analytical Thinking: Working To Bridge The Gap*

Lisser Rye Ejersbo and Uri Leron

- **DG3:** *Models And Modeling*

Richard Lesh, Sinem Baş, Bülent Çetinkaya, Kürşat A. Erbaş, Engin Ader, Serkan Özel, Bharath Sriraman, Berna Aygün, and Belma Türker

- **DG4:** *Preparing Novice Researchers to Do High-Quality Qualitative Research in Mathematics Education*

Martin Simon and Karen Koellner

- **DG5:** *Students' Cultural Identity and Mathematics Instruction in Global Times*

Paolo Boero, Nadia Douek, and Luis Radford

- **DG6:** *Technology in Mathematics Education: Different Kinds and Levels of Experimentation*

Asli S. Ozgun-Koca, Sinan Olkun, and Vivian LaFerla

- **DG7:** *The Challenge of Including Learners With Special Educational Needs in School Mathematics*

Janete Bolite Frant and Haydar Hanna

- **DG8:** *Working with Less Successful Teachers*

Cockburn, Anne D.

Each Discussion Group is required to send a report of its activities to the Administrative Manager to be included in PME News. This report is due by **September 20th, 2011**.

Personal Presentations

Research Reports (RR)

Research Reports (RR) ought to deal with topics related to the major goals of the IGPME. The author(s) should deal what is new in the research and how it builds on past research, and/or how it has developed new directions and pathways. Some level of critique must exist in all papers.

Each participant is allowed to present **only one Research Report** or **Short Oral Presentation**.

The deadline for the submission of RR proposal was **January 15th, 2011**. The number of **submitted proposals was 308**.

Notification of the decision of the Program Committee to accept or reject the Research Report proposal was sent by April 7th, 2011. The detailed reviews are available in the Conftool system website at <https://www.conftool.com/pme35>.

Each RR presentation will be allotted a total time of **40 minutes**: 20 minutes for the oral presentation and 20 minutes for questions and comments.

In order for an accepted proposal to appear in the proceedings, the presenting author(s) must pay the total Conference fee no later than **May 16th, 2011** (The Conference Deposit already paid by the presenting author(s) for the Pre-Registration is non-refundable).

Short Oral Communications (SO)

Short Oral Communications were proposed to the International Program Committee via a one-page abstract. The deadline for the submission of SO proposals was **March 1st, 2011**. The number of **submitted proposals was 181**.

Each participant is allowed to present **only one Research Report** or **Short Oral Presentation**.

Proposals for such communications were reviewed by the members of the International Program Committee. Notification of the decision of the IPC to accept or reject a SO proposal was sent by April 7th, 2011. In case of non-acceptance, a short justification of the decision was provided.

In order for an accepted proposal to appear in the proceedings the presenting author(s) must pay the total Conference fee no later than **May 16th, 2011** (The Conference Deposit already paid by the presenting author(s) for the Pre-Registration is non-refundable).

SO Communications will be presented in groups of three. Each individual SO is allocated **10 minutes** for the oral presentation and, when all three presentations are completed, a 15 minutes period is devoted to discussion on all three presentations.

Poster Presentations (PP)

Poster Presentations were proposed to the International program Committee by means of a one-page abstract. The deadline for the submission of PP proposals was **March, 1st, 2011**. The number of the **submitted proposals was 103**.

Proposals for PP were reviewed by the members of the IPC.

Notification of the decision of the Program Committee to accept or reject a PP proposal was sent by **April 7th, 2011**. In case of non-acceptance, a short justification of the decision was provided.

In order for an accepted proposal to appear in the proceedings the presenting author(s) must pay the total Conference fee no later than **May 16th, 2011** (The Conference Deposit already paid by the presenting author(s) for the Pre-Registration is non-refundable).

For each PP a **Visual Display** must be prepared to fit into a maximum of 150cm high by 90cm wide stand in a specific location designated for this purpose.

There is no formal oral presentation associated with Poster Presentations. Posters will be on display in the Poster Area. The schedule will be provided in the conference timetable, during which presenters are expected to be available by their posters for discussion with conference participants.

National Presentation (NP)

A National Presentation aims at giving participants an overview of the research activities carried out in a hosting country and its potential contribution to the community's work. This year's presentation is entitled:

➤ **Mathematical Thinking Research by Turkish Community**

Presenters: Behiye Ubuz, Sibel Kazak, Hatice Akkoç, Mehmet Fatih Özmantar

➤ **Mathematics Education Doctoral Programs in Turkey**

Presenters: Behiye Ubuz, Erdiñ Çakıroğlu, Ayhan Kursat Erbaş

➤ **Mathematics Teacher Education in Turkey**

Presenters: Behiye Ubuz, Zulbiye Toluk Uçar

First presentation focuses on research in mathematical thinking carried out by Turkish community, in an attempt to provide insights into the above theme by summarizing the main research activities. Second presentation elaborates on the doctoral programs in mathematics education in Turkey, highlights concerns and challenges faced by the mathematics education community. The last one discusses the mathematics teacher training programs in Turkey.

Open Slots for Ad Hoc Meetings

At PME 35 a new form of conference activity will be offered. On Tuesday and Thursday PME provides time slots and rooms for meetings of 'ad hoc' groups. The idea is that researchers can meet and discuss research topics which spontaneously came up during discussions of previous presentations at the conference. The ad hoc meetings are reserved only for discussions: presentations or a continuation of a research report or short oral communication are not allowed.

To organize an ad hoc meeting, at least two persons should prepare an announcement with a short and precise description of the topic, the names of organizers and the preferred time slot, and deliver it to the PME Administrative Manager. The AM will then assign times and rooms. Since there are only a few time slot and rooms, proposals will be accepted on a first-come first-serve basis.

Equipment for Presentations

The equipment listed below will be available for the presentations. There will be computers and LCD projectors in every session. For any other kind of equipment, please e-mail to the Scientific Secretariat at scpme35@metu.edu.tr .

- * Slide Projector
- * OHP Projector
- * LCD Projector with computer
- * LCD Projector with Video Player

Please indicate your preference and needs when completing the online registration and presentation submission. On-site booking of equipment will not be possible and hence has to be done in advance.

Confirmation of the availability of your requested equipment will be sent by May, 2010.

Wireless Internet Connection at METU

There are two 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. To see if you can use this option, conference participants need to check with their institutions, or you can visit this web site: <http://www.eduroam.org/> . You can also check the local EDUROAM METU web site <http://eduroam.metu.edu.tr/> .

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. After the conference, their information will be deleted from the database. Information about how to find your MAC address can be obtained from the web site: <http://cc.metu.edu.tr/762-finding-the-mac-address> .

If your institution is not a member of EDUROAM, please e-mail your “MAC Address, Name and Surname” information to pme35.it@gmail.com to use METU Wireless Internet connection.

Early Bird Submissions (for PME 36)

The Early Bird Procedure for Research Reports and Short Oral Communications is intended for novice or inexperienced researchers who would like to receive guidance from more experienced PME researchers. Applicants should submit their paper to a coordinator who is appointed by the International Committee. The coordinator will then assign the paper to an appropriate mentor and ensure that the communication between the mentor and novice-researcher proceeds smoothly.

The Early Bird Procedure is closed for this conference.

People who wish to have a mentor for the PME36 Conference in 2012 should submit a Research Report or Short Oral Communication and contact the coordinator as early as possible, no later than September 6th, 2011.

The Early Bird papers should be accompanied by a statement in which the authors describe: 1) their limited experience in writing research reports (or journal articles), and 2) their limited access to expert advice. Mentors will correspond with the applicants and help strengthen their submitted papers.

The Early Bird coordinator is Richard Barwell (Canada), richard.barwell@uottawa.ca.

Please note that this procedure is meant to provide feedback on written reports. It is not meant as support for conducting research. This mentoring does not guarantee acceptance, as all submitted papers will still undergo the regular PME reviewing procedures.

Registration and Payment

Conference Final Registration

Registration for PME 35 will be carried out online using the ConfTool Conference Registration System, at <http://www.conftool.com/PME35>. The annual Membership Fee is included in the cost of Pre-Registration. The ConfTool system will be open for final-registration on 21th April, 2011.

If you have **paid** the **pre-registration fee**, please follow the steps below:

1. You will receive (or have received) a pre-registration code via e-mail. Once you receive the code, go to <http://www.conftool.com/pme35/>. The Pre-registration code is PRE letters together with your ID number without any space; for example, PRE117. You can see your ID number from Conftool at SHOW USER ACCOUNT DETAILS.
2. Login using the username and password that you used for pre-registration.
3. Select the “Pre-registered participant” and enter the code you received. The Pre-Registration code is your ID number following “PRE” for example: PRE1234
4. Fill in the requested information, including whether you plan to attend the Opening Session.
5. The system will take you to the Payment Form and then present options for making your payment (Bank Transfer or Credit Card via online or fax). If you have any problem with your Conference Final-Registration, please immediately contact the or administrative secretariat adminpme35@arber.com.tr or conference scientific secretariat scpme35@metu.edu.tr
6. Then, you will receive a confirmation e-mail related to your payment and registration.

If you have **not paid** the **pre-registration fee**, please follow the steps below:

1. Go to <http://www.conftool.com/pme35>.
2. If this is the first time you have used ConfTool to register for a PME conference, select "Create account". You will be asked to complete a form with your Personal Information

and then to choose a User Name and Password. Please make a note of these two items (you can also retrieve them later from the ConfTool system).

3. If you have previously used ConfTool to register for a PME conference, you may enter the User Name and Password you previously created (they can be retrieved by clicking on "Forgotten your User Name?" or "Forgotten your Password?").
4. Select the option "NEW Registration." (Note: If you don't want to register now, you can return later to do so by logging in with your User Name and Password).
5. Then, select your status as PME member by clicking on the appropriate option, and then click Proceed.
6. Fill in the requested information, including whether you plan to attend the Opening Session.
7. The system will take you to the Payment Form and then present options for making your payment (Bank Transfer or Credit Card via online or fax). If you have any problem with your Conference Final-Registration, please immediately contact the conference administrative secretariat at adminpme35@arber.com.tr or conference scientific secretariat at scpme35@metu.edu.tr
8. Then, you will receive a confirmation e-mail related to your payment and registration

PME Membership Only

If you are not planning to attend PME 35 but would like to pay the annual fee for membership in the International Group for the Psychology of Mathematics Education (PME), you may do so at <http://www.conftool.com/pmemember> :

To pay the annual Membership Fee for PME:

1. Go to <http://www.conftool.com/pmemember>.
2. If this is the first time you have paid the membership fee through ConfTool, select "Create account". You will be asked to complete a form with your Personal Information and to choose a User Name and Password. Please make a note of these two items (you can also retrieve them from the ConfTool system).

3. If you have used ConfTool before to pay the membership fee, enter your User Name and Password. This information can be retrieved by clicking on "Forgotten your User Name?" or "Forgotten your Password?". If you don't use your original username and password, the system will respond that there is already a user registered with your e-mail address.
4. Select the option "Register as Member."
5. If you would like to order Conference Proceedings for PME 35, indicate so on the form and then click Proceed.
6. The system will take you to the Payment Form and then present options for making your payment (Bank Transfer or Credit Card)

If you have any problem with your Payment of Membership Fee, please immediately contact the Administrative Manager at bettina.roesken@rub.de

Registration Fees and Payment

The registration fee is expected to be around 400-450 €. Depending on the number of participants and external financial support the exact amount will be decided in April 2011, just before the publication of the second announcement.

The Conference Deposit of 130 € is non-refundable.

For those who attend the conference, the Conference Deposit will be deducted from the full Conference Registration Fee. The payment balance of the Conference Fee must be received not later than May 16th, 2011.

The Conference Deposit covers:

- * PME membership for the current year 2011
- * One set of the Conference Proceedings in print and on CD if you attend the conference, or one set of the Conference Proceedings on CD (as well as mailing costs) if you do not attend the conference
- * The Administrative costs related to the handling of the proposals.

The Total Registration Fee covers:

- * PME membership fee for the year 2011 with a 10 € compulsory donation to the Skemp Fund
- * A printed set of Conference Proceedings and CD (available at registration)
- * Lunches (4 days) and Coffee breaks (9)
- * Opening reception (Sunday evening)
- * Conference dinner (Thursday evening) & Entertainment
- * Excursions and Social events
- * Costs of venue, administrative work and facilities needed for the organization of the conference.

Accompanying person fee covers:

We welcome accompanying persons. The fee for accompanying person is 100 € per person. The fee will cover:

- * Opening reception (Sunday evening)
- * Conference dinner (Thursday evening) & Entertainment
- * Excursions and Social events
- * Some of the administrative work involved, outside of the scientific program.

Lunch coupons will be available for accompanying persons at a fixed price at the registration desk. There is no fee for accompanying children under 13 years old.

Please, address any questions you have about these two processes to the Conference Registrar at pme35register@gmail.com

Late Registration Fee

An additional charge of 60 € will be applied for late registration, after May 16th 2011.

Extra Copies of the Conference Proceedings

PME 35 participants may purchase extra copies of the Conference Proceedings at a special price when they register online, provided they order and pay for them no later than May 27th, 2011. PME members who cannot attend PME35 conference and wish to have PME35 Proceedings should e-mail to scpme35@metu.edu.tr.

The price is 40 Euros plus the postage for the hard-copy 4 volumes set. There is a Post office in the venue site, which is convenient for those who wish to send their own set of proceedings by mail.

Payment Options

All participants can make their payment online via credit card or by bank transfer. If you choose to pay by bank transfer, you will receive the required bank information for the wire transfer at the end of the process. The information is also given below; however, please do not transfer your payment without first using the ConfTool system to pre-register and/or register (<https://www.conftool.com/pme35>).

If you have difficulty paying online via credit card, you may use the manual payment process by filling out the credit card information on the mail order form (see *Registration and Payment* at <http://www.pme35.metu.edu.tr>) and sending it via fax to (+90 312 2107971).

Details for the bank transfer

Bank Name : Turkiye Is Bankasi A.S.

Swift Code : ISBKTRIS

Beneficiary Address / City : Ankara

Branch Name - Code : Kucukesat - 4208

Account Owner Name/ Beneficiary : ARBER

Euro Account Number : 0463910

IBAN : TR430006400000242080463910

Please send the confirmation of your bank transfer along with your first name and surname by fax (+90 312 2107971) or email (pme35register@gmail.com).

Donations to the Skemp Fund

The Richard Skemp Memorial Support Fund is a fund that was established to support academics from under-represented or economically weak countries in attending the annual conference. The spirit of the fund is to help academics who would not normally have access to the PME conference. As such, where applicants are from, where they are living, where they are working, where they are currently studying, as well as the conditions of their employment and studies are important factors when adjudicating the applications.

The Skemp Fund plays an increasingly important role in making the PME annual conference more accessible to mathematics educators who would not otherwise be able to attend the conference. The extent to which we can give this financial assistance depends to a large degree on the generosity of the PME community. For this reason, a compulsory donation of 10 € is included in the Pre-Registration Fee for the conference. In addition, the International Committee calls on members to make an additional donation, however small, to the Skemp Fund in the appropriate place online when paying membership fees or registering for annual conference.

Cancellation Policy

- The **registration for participation in the conference is binding.**
- All cancellations and changes regarding the Conference Registration must be done in writing to Conference Scientific Secretary at scpme35@metu.edu.tr .
- In all cases the Conference Deposit will not be refunded; however, the Deposit will cover one year of membership as well as a copy of the Conference Proceedings on CD, mailed to your address.
- If a cancellation for conference participation is made after the full registration fee has been paid: Before 31st of May 2011, the refund will be the amount paid minus the Conference Deposit, also subtracting the commission that the bank charges for transferring the refund. Between 31st of May 2011 and the starting date of the conference, only 50% of the full Registration Fee minus the conference deposit will be refunded, also subtracting the commission that the bank charges for transferring the refund.

- For accompanying persons who cancel: Before 31st May 2011 the amount paid minus the commission that the bank charges for transferring the refund will be refunded. Between 31st of May 2011 and the starting date of the conference only 50% of the amount paid will be refunded, subtracting the commission that the bank charges for transferring the refund.
- Participation is not guaranteed until full payment of the registration fee is received.
- The conference program may be subject to changes.
- Payments will be refunded if the conference is canceled by the organizer. In that case, the organizer will have no further liability to the client.
- Registrations remain valid if the conference has to be postponed.

Accommodation

A sufficient variety of accommodation is available in Ankara, ranging from luxurious 5 star to more budget-friendly 3 star hotels. All hotels indicated below are located at the most attractive area of Ankara which calls Kavaklıdere within the city center. These hotels were selected within the area suitability for food, beverage, entertainment, sightseeing, shopping facilities, etc. Limited number of hotels was selected for reasons as; route of the shuttle transfers, getting the advantages of being near to your colleagues, special and reasonable rates, etc.

Free wireless internet available in Hotel Houston, Midas Hotel, Aldino Hotel Ankara, Elite Palas Boutique Hotel and in the lobby of Hilton Hotel.

We did not select the hotels nearby the University because of difficulty getting public transportation if needed, entertainment facilities, food and beverage facilities, and so forth.

Attendants may arrange their accommodation on their own, at any hotel of their preference in the city of Ankara. We booked limited number of rooms at the hotels mentioned below with special rates.

Why you should book via the Conference Secretariat

- to benefit from the special rates which included all taxes

- to get the availability to change and manage you travel services as hotel, transfer, pre-post tours
- to get the availability to cancel your bookings without penalty
- to be charged with Euro currency (not with local currency) which protect you from the exchange commissions
- to get the flexibility in your invoice/payment document for your accommodation, transfers, pre-post tours.
- to get all your requirements in one (included registration, accommodation, transfer, excursions, pre-post tours, confirmations, payment, invoices etc).

Those who wish to reserve a room through the Conference Secretariat has to login the booking system provided at the ACCOMODATION part of the PME35 web page and make their reservations for accommodation, pre-post tours, transfer, etc.

Online booking system is available for the updates, changes, cancellation within the declared options. Participants have to use their e-mail address, personal information and set a password which required for the login. In order to make any update, change, cancellation, you have to login with your e-mail/password.

Online booking system is a certified secure system and available for online payment (credit card, bank transfer, mail order), getting booking confirmation, vouchers, payment invoices and contact with the administrative office.

We are sorry to inform you that all participants who login the booking system has to verify their registration at the Conftool. That required because those rates are special for the PME participants.

BOOKING AND CONFIRMATION

In order to reserve a room, please login to the online booking system

Pre-Booking

- Bookings without payment will be considered as a pre-booking
- Payment for the pre-booking is not obligatory
- Pre-confirmations will be displayed on your account.
- Payment deadline will be e-mailed to the participants when it is required.

Payment

- Pre-booking will be completed with making the related payment.

- All payments related to your hotel, tour, and transfer bookings have to be done via the booking system of ARBER (the administrative Secretariat).
- Payments via credit card, wire transfer are available.

Confirmation

- Download your voucher and invoice is available upon the payment confirmation.
- Login your booking account in order to update or cancel your bookings by 24 June 2011.

Cancellation Policy


- No any charge for the cancellations done within the declared deadlines.
- There is no specified deadline for all the hotels that we booked for PME 35.
- Deadlines will be e-mailed to the participants, when the blocked rooms accomplished.
- Uncompleted pre-bookings within the informed deadlines will be released.
- Refund is available for the participants who cancel their confirmed bookings within the informed deadline, without penalty.
- Refund is available for the participants, without penalty, who cancel their confirmed bookings after the informed deadline, if the same room has been re-booked by another participant.
- Refund is available for the participants who cancel their confirmed bookings after the informed deadline, except the related hotel no-show amount.
- Refund costs belong to the participants.


Hilton Deluxe and Executive Rooms and Honors

Please indicate your Honors ID number in to Reservation Notes area in Online Booking System and also please feel free to contact for Deluxe and Executive Rooms requests.

All the Daily RATES included buffet breakfast, service charge and all local taxes.
First come first serve and benefit from the Early* Limited Rooms within those special rates.

****Please login online booking system to the availabilities within the early rates***

Stars	Hotel	Single	Double
*****	Hilton Ankara  www.hilton.com.tr	Early: 90 € Late: 100 €	Early: 105 € Late: 115 €
****	Hotel Houston  www.hotelhouston.com.tr	Early:75 € Late: 85 €	Early: 95 € Late: 100 €
****	Midas Hotel  www.hotelmidas.com	Early:71€ Late: 81 €	Early: 88 € Late: 98 €
****	Aldino Hotel Ankara  www.hotelaldino.com	Early 62 € Late: 70 €	Early:82 € Late: 90 €
S Class	Elite Palas Boutique Hotel  www.elitpalas.com.tr	Early 55€ Late: 61 €	Early 71€ Late: 79 €

S Class	Argentum Hotel  www.hotelargentum.com	65 €	85 €
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Dormitory

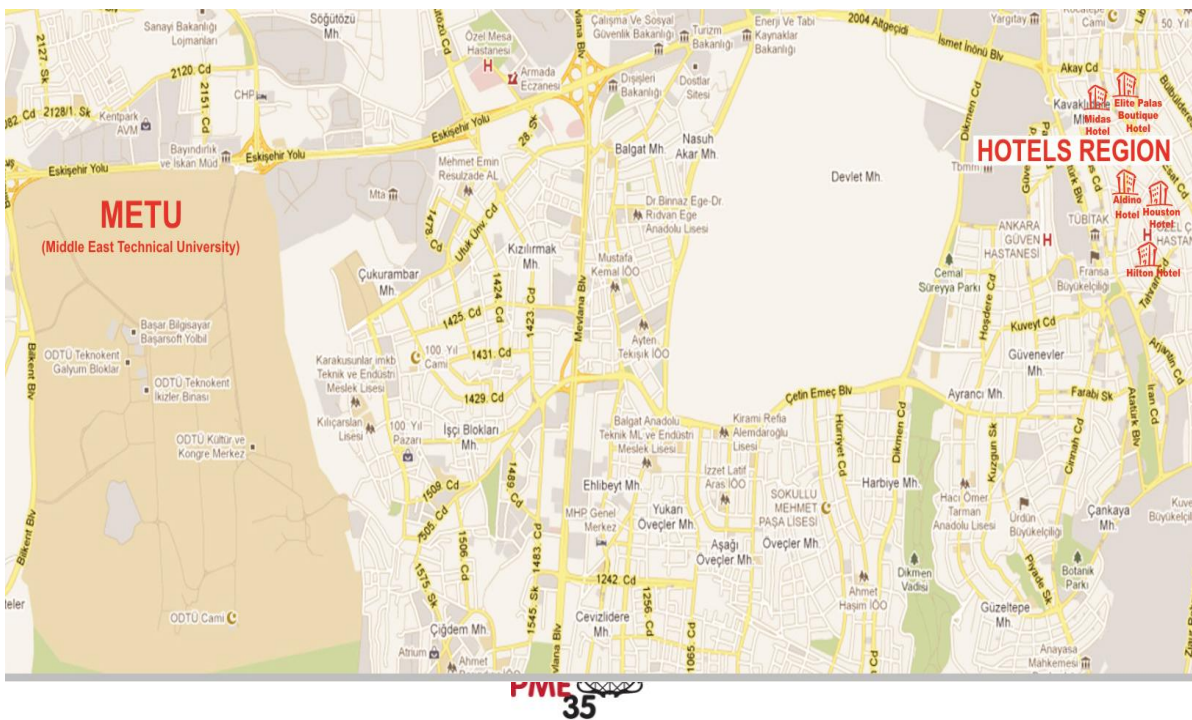
There are also limited number of rooms available in a private dormitory located on the METU campus for participants. Priority will be given to the students. For more information, please address to the Administrative Secretariat.

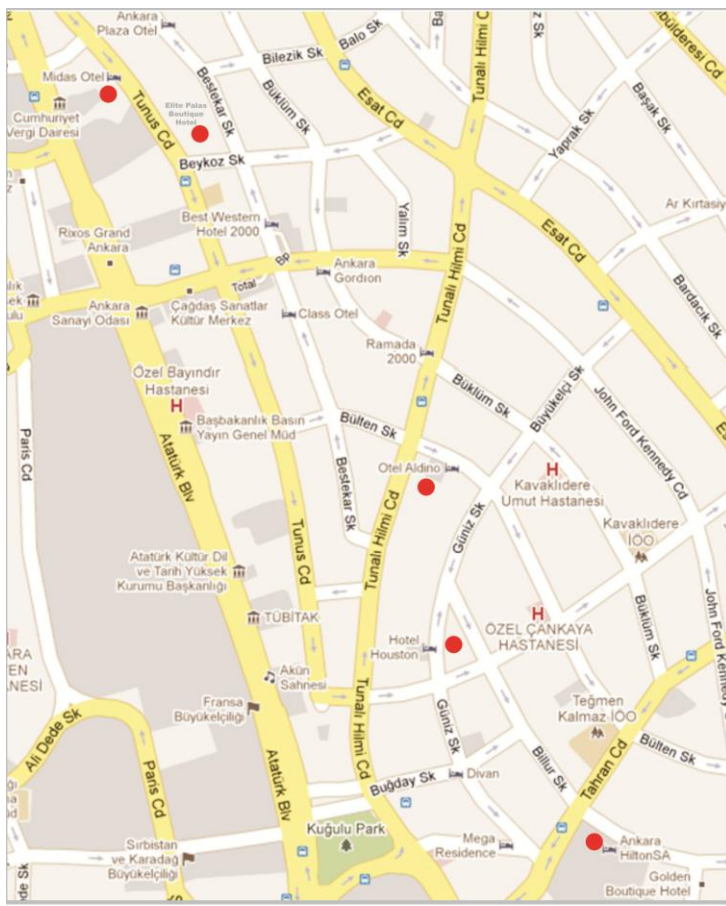
Dormitory	Single
ODTÜ Geliştirme Vafkı Öğrenci Konukevi	45€

Rate included breakfast and all local taxes.

You could find a lot of facilities at the dormitory such as laundry, ironing, etc. Please note that there is no air conditioner in the rooms. Rooms are usually cool even in the summer time

MAPS





HOTELS REGION

Important Dates

Registration

Pre registration		Starts December 1 st
Final Registration	Registration must be completed by this date for papers to be included in the proceedings	May 16 th , 2011
Late Registration Fee	Registration amount Plus Additional €60	After May 16 th , 2011
Ordering of Proceedings by non-participants	With membership, at http://www.conftool.com/pmemember	May 26 th , 2011

Deadlines for PME 36, 2012

Early Bird Proposals	Contact to Early Bird coordinator	September 6th, 2011
Research Forums	Proposals to PME Administrative Manager	October 1st, 2011 (see http://igpme.org)

Travel Information

About Ankara

Ankara is the capital of Turkey and the country's second largest city after Istanbul. The city has a population (as of 2005) of 4,319,167 (Province 5,153,000), and a mean elevation of 850 m (2800ft). It is the center of the province of the same name, which is a predominantly fertile wheat steppe-land with forested areas in its northeast region. Ankara is an important commercial and industrial city. The industries produce wine and beer, flour, sugar, macaroni products, biscuits, milk, cement, mosaic paving, construction materials, tractors, carpets and leather goods. In recent decades, tourism has become an important industry. For the region around Ankara, mohair is the most valued product. The agriculture produces fruit and wheat.

It is the center of the Turkish Government, and houses all foreign embassies. It is an important crossroads of trade, strategically located at the center of Turkey's highway and railway networks, and serves as the marketing center for the surrounding agricultural area. The city was famous for its long-haired Angora goat and its prized wool (mohair), a unique breed of cat (Angora cat), white rabbits and their prized wool (Angora wool), pears, honey, and the region's muscat grapes.

The architecture of Ankara is quite varied, a reflection of the city's history. The oldest remains go back to Roman times, and include a bath, the Column of Julian and the Temple of Roma and Augustus. From the Byzantine period, a citadel and a cemetery are worthy of note. The town, once an important trading center on the caravan route to the east, had declined in importance by the nineteenth century. It became an important center again when Kemal Atatürk chose it as the base from which to direct the War of Liberation. In consequence of its role in the war and its strategic position, it was declared the capital of the new Turkish Republic on the 13th October, 1923. After Ankara became the capital of the newly founded Republic of Turkey, new development divided the city into an old section, called Ulus, and a new section, called Yenışehir. Ancient buildings reflecting Roman, Byzantine, and Ottoman history and narrow winding streets mark the old section. The new section, now centered on Kızılay, has the trappings of a more modern city: wide streets, hotels, theaters, shopping malls, and high-rises. Government office and foreign embassies are also located in the new section. Ankara's shopping centres are clustered around Ulus, Kızılay and Kavaklıdere. One popular place for visitors is the Çıkırıkçılar Yokuşu and its shops, near Ulus. Around the castle in Ulus, in the area of Çıkırıkçılar Yokuşu and Samanpazarı, there are shops which sell traditional handicrafts such as textiles, copper, ceramics, wickerwork and leather, as well as a variety of jewellery, decorations, gift items and all types of antiques. In the Bakırcılar Market, there is a wide selection of goods on offer like souvenirs, antiques and clothes as well as copperware and jewellery. At the end of the ascent to the castle is a small bazaar with stands selling spices, dried fruit and nuts and other products.

Atatürk Bulvarı, chestnut trees, sparrows and vivid stores line the street. The illuminated windows, bookstores, pastry shops, restaurants, cafes, business centers and **pasajs** (arcades) are proof of this city is lively. If you go up towards Çankaya you'll reach Kavaklıdere. Here you will find [Tunalı Hilmi Caddesi](#) one of the newest shopping areas and favorite places to stroll in Ankara. It is famous for its **pasaj**, modern shops, cafes, pastry shops, music stores and cinemas. Another lovely area to explore is **Arjantin Caddesi** in Gaziosmanpaşa. Several smart cafes, restaurants, famous designer boutiques, home decoration stores, jewelers and gourmet shops will tempt you. The other big shopping malls are; Armada, Cepa, Kentpark, Gordion.

The cuisine of Old Ankara displays much of the home-cooked food of the Turks, with the oven and tandoor, and cellars for winter supplies. There is a wide variety of dishes in Ankara: Soups such as as dutmac, keskek, miyane, sutlu, tarhana and toyga. Meat dishes include Ankara tavasi, alabortme, calla, coban kavurmasi, iliskik, kapama, orman kebabi, patlicanli et, sizgic, siyel and siper. To accompany, there is a wide variety of pilaf (rice dishes) such as bici, wheat pilaf, ogmac asi and pit

pit pilaf. There are also stuffed dishes like efelek dolmasi, manti, sirden dolmasi (humbar) and yalanci dolma. The pastries of Turkey are delicious, and include alt-ust boregi, ay boregi, bohca, entekke boregi, hamman, kaha, kol boregi, papac, Pazar boregi, tandir boregi.

How to reach Ankara

Centrally located in Anatolia, Ankara is bordered by the provinces of Çankırı and Bolu to the north, Eskişehir to the west, Konya and Aksaray to the south, and Kırıkkale and Kirşehir to the east, and Istanbul 550 km west. It is linked by air, bus, and/or train to all countries.

By Air

The Star Alliance is the official Network of the PME 35. You can save up to 20 % on travel with using the Star Alliance Network. Star Alliance is the world's first and largest airline alliance.

The alliance currently has more than 21,200 daily departures to 1,172 airports in 181 countries.

All the information about discounts and how to obtain discount flight tickets can be found on the PME 35 web site and also we kindly request to fill the Star Alliance Online Survey.

<http://www.staralliance-conventionsplus.com/index.php?id=886>

Most of the airlines only fly to Atatürk Airport or Sabiha Gökçen Airport, which are in İstanbul. So you have to transfer to another vehicle; another airplane, train or bus. There are lots of bus companies routed between Ankara and İstanbul; the trip takes 5-6 hours. It costs around 40 TL (around 20 Euro) one- way. Also some of the local airlines can provide cheap tickets (AtlasJet, Onur Air, Pegasus, Anadolu Jet, Türk Hava Yolları (Turkish Airlines)).

Turkish Airlines <http://www.thy.com>

Pegasus Airlines <http://www.flypgs.com>

Onur Air <http://www.onurair.com.tr>

AtlasJet <http://www.atlasjet.com>

Anadolu Jet <http://www.anadolujet.com>

Turkish Airlines (THY) at Esenboga Airport:

Tel: (+90 312) 398 0000 / 1517 or (+90 312) 398 0550.

THY City Offices Tel: (+90 312) 419 1492; (+90 312) 428 0200.

Fax: (+90 312) 428 1681

Ankara Esenboga Airport is 33 km (21 miles, about 40 minutes in normal traffic) northeast of the city center, reached by inexpensive (10-15 TL (around 5-7 Euro)) airport shuttle bus (HAVAŞ) to/from the AŞTİ bus terminal or Ankara Gar train station. From the airport shuttle bus stations in downtown Ankara (one near the Gar train station, and the other at the bus station AŞTI), one can take a metered taxi to the hotels. HAVAŞ runs every half an hour from both directions.

HAVAS Esenboga Airport

Tel: (+90 312) 398 0000 ext. 1649

A metered taxi would cost about 60-80 TL (around 30-40 Euro) from the airport to your hotels.

By Bus

Using a bus to get into Turkey is another option. This is good and cheap if you're planning to get into Turkey from a nearby country such as Bulgaria, Romania or Greece. For Greece – Turkey routes you can even book tickets online through [Varan Tourism](http://www.varan.com.tr) (<http://www.varan.com.tr>) for Thessaloniki to Istanbul. If you're planning to do that from a farther European country then it may get quite tiring although you can at times find such a service, especially from Germany or Austria.

From Asia, one can take buses from Georgia to Turkey in both Batumi and Tbilisi but service is irregular and one should inquire around. From Armenia one can go through Georgia by bus to Turkey. From Iran there are buses to Turkey from Tabriz and from Syria one can get a minibus (shared taxi) from Aleppo to Adana. If you're starting your journey to Turkey in Damascus you should get the bus to Aleppo and switch to shared taxi there.

Most of the intercity and international buses arrive at İstanbul Esenler Otogar from Europe. You can reach Ankara from İstanbul by three different way again; bus, train and airplane (see previous section, By Air).

Some major bus companies are ;

Ulusoy – www.ulusoy.com.tr

Varan - www.varan.com.tr

Metro – www.metroturizm.com.tr

Nilüfer – www.niluferturizm.com.tr

Kamil Koç – www.kamilkoc.com.tr

By Sea

Most of the routes link to Greek locations, mostly islands, with close-by Turkish locations and, a bit farther, Italy with Turkey. There are several companies operating such lines. If you're looking for a ferry from Italy to Turkey or vice-versa as well as alternatives to Greek-Turkey ferries you should look on Aegean Ferry Services. They have a good map showing all of their ferry routes. One of the most interesting is their ferry from Ancona to Çeşme.

By Train

Train journeys can be made to Istanbul directly from and via some of the major cities of Europe. And also you can reach to Ankara by train after reaching to İstanbul.

For more information and fares: <http://www.tcdd.gov.tr>

By Private Car

You can come to Ankara by your car. But we don't advise you to use this way because of the road situation and customs regulations. Participants from Greece, Croatia, Romania, Hungary, Serbia and Montenegro may choose to use this method.

General Route: Private car: London - Istanbul, approximately 3,000 km. Northern Route:

Belgium, Germany, Austria, Hungary, Romania, Bulgaria, and Turkey. Southern Route: Belgium, Germany, Austria, and Italy, with a ferry to Turkey.

Getting Around Ankara

Ankara has a big public transportation system with two connected underground systems, two type bus systems (1. you buy ticket from ticket kiosk (büfe) and 2. you pay after you get into the bus), and also dolmuş system (these are mini busses with an arranged route and arranged fee). But these transportation systems do not work after 00:00. Taxis work all day.

About Turkey

The country is surrounded by the Black Sea to the north, the Aegean to the west and the Mediterranean to the south. Two straits (the Bosphorus and the Dardanelle) form gates to the inner Marmara Sea, dividing Thrace - the European part, and Anatolia - the Asian part of the country. Turkey share borders with Greece and Bulgaria in the West, Georgia and Armenia to the Northeast, Iran to the East and Iraq and Syria in the Southeast.

The landscape presents an astonishing variety, from large plains to high mountains stretching east to west. Nature mingles with history at every step, bearing the heritage of several civilizations. Since the first settlements of 6500 B.C. on this land, legend has always embellished reality, leading us, from the path to Noah's Ark on Mountain Ararat in Eastern Turkey or the dramatically beautiful rock churches of the first Christians hiding in Cappadocia, to Ephesus or Aspendos, miraculously preserved monuments to the Hellenistic-Roman civilizations.

Turkey has the best of Mediterranean climates, though warmer and more reliable than the western Med but not as humid and sweltering as the eastern or southern Med. Spring begins in May and summer reaches deep into October along the lower Aegean and throughout the Mediterranean

coasts. Istanbul, central and eastern parts of Anatolia become quite cold between December and April.

Spring and summer travellers to Turkey need to bring T-shirts, shorts, sunhat, pants, swim-wear, a sweater or a light jacket for that chilly evening after a suntan, and a sturdy pair of walking shoes. Those arriving in Turkey in the winter must pack rain-gear and a warm overcoat together with gloves, hats and warm woollens. During the Congress the weather could be warm with balmy evenings but one should not forget also the possibility of rain showers and cool evenings.

In 1923, Turkey became a republic under the leadership of Mustafa Kemal ATATÜRK. Today the Turkish State is a parliamentary democratic country employing a self-governing system. The capital is Ankara, in the heart of the country. The legislative power is vested in the TBMM (Turkish Grand National Assembly) and the executive power is used by the President as the Head of the State, together with the Council of Ministers and the Prime Minister.

The visitor today will discover every amenity of a modern western country, from efficient taxis to an extensive internal flight system. Today's Turkey, open to the world, follows a liberal policy in economy just as in its political structure.

Agriculture plays an important role in the economy of Turkey, which has signed a Customs Union Agreement with the European Union. Turkey is self-sufficient in food production and produces enough surpluses for export as well. Leading industries include the processing of agricultural products, metallurgy, textiles and the manufacturing of automobiles and agricultural machinery. With the increased development of summer and winter resorts, Turkey is becoming a major European tourist destination. The tourism industry earns an average annual income of more than \$7 billion U.S. for the Turkish economy and this amount is increasing yearly.

The population is 99% Moslem. Turkey is a secular state and recognizes freedom of worship. It is the only country in the world in which mosques, churches and synagogues have coexisted peacefully for centuries.

Turkey, known as " the cradle of civilization," hosted the first human settlement on its soil, which has been dated as 12,000 years old. Turkey is also the home of ancient cultures, including the Hattis, Hittites, Phrygians, Urartians, Lycians, lydians, Ionians, Persians, Macedonians, Romans, Byzantine's, Seljuks and Ottomans. Following the decline of Ottoman Empire, the modern Republic of Turkey was founded in 1923 by Mustafa Kemal, known as Ataturk, an army general

and World War I hero. Ataturk is revered in Turkey and is cited as one of the world's greatest statesmen.

Turkish is an Altaic language written in the Latin script since 1928. Most well-educated Turks and especially those involved in the tourism business speak excellent English and often French and German as well.

Soccer, basketball and wrestling are Turkey's most popular spectator sports. A water sports haven, yachting, snorkelling, diving, fishing and windsurfing are also extremely popular. Turkey also offers downhill skiing, trekking and mountain biking.

Conference Excursion & Tours

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.

Conference Excursion

1st Excursion: Ankara City Tour

Duration: 5 Hours (included: transportation by coach bus, coordinator, professional guide, entrance to museum)



The meeting point of the tour is the conference venue, from where participants take the bus to the Anatolian Civilizations Museum, exhibiting gold, silver, glass, marble and bronze works date back

as far as the second half of the first millennium BC. Then, they walk to the Ankara Castle built by the Romans, then repaired and expanded by the Selçuk in order to guard the city for centuries, is now a symbol of Ankara and its history is as old as the city itself. Later on, the bus will take participants to the II. Turkish Grand National Assembly Museum of Republic built as the Republican's People Party Headquarters in 1923, was later converted to function as the Assembly building in which Atatürk's principals and reforms came to life, the most important decisions taken on the way to develop the new Republic by contemporary legislation. Continuing the tour, the bus will take the participants to the Mausoleum of Atatürk, Republic's founder and leader. The Anıtkabir museum is located between the Tower of the National Pact and the Tower of the Revolution. A number of Atatürk's personal belongings are exhibited, including clothes that he wore, and gifts presented to him by visiting foreign dignitaries.

After enjoying the wonderful panoramic view of the city, the bus will take the participants back to the conference venue or to the hotels.



2nd Excursion: Kızılcahamam Soğuksu National Park Tracking Tour

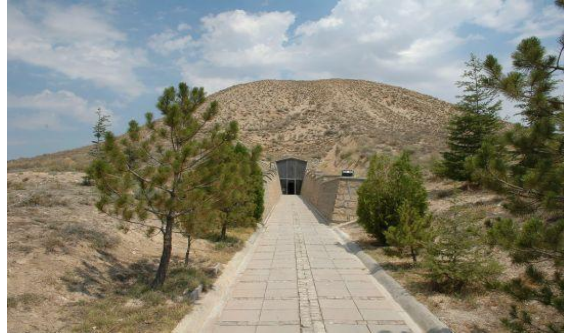
Duration: 6 Hours (included: transportation by coach bus, coordinator, professional guide, entrance to museum)

The bus will depart from the conference venue. After 2 hours of driving, we will arrive to the entrance of the Soğuksu National Park. We will start walking through the park and when we reach the peak, we will give a little break and enjoy the magnificent view and also have chance to see a rare type of vulture (*Aegypius monachus*) around the peak. Then we will start to walk down the hill and enjoy the hyacinths, Purple crocuses, yellow crocuses and other type of wildflowers. Lastly, we will walk through the forest and reach the starting point. Our bus will be waiting for us and we are expecting to be in Ankara around 7 pm.

Personal Items required for this trip: photo camera, sun glasses, protective lipstick, trekking shoes, comfortable trekking clothes, hat, rain coat, spare socks and clothes.



The bus will depart from the conference venue . After an hour of driving, we will arrive to Gordion which was the capital of the Phrygians where there are almost a hundred tumulus graves of notables who lived and died between Phrygian and Galatian times.



The largest tumulus has been identified as belonging to king Midas famed in Greek mythology as the possessor of the golden touch, and still contains some wooden furniture probably from his palace.

Next stop is the Acropolis and then to the Local Museum in which there are some remnants from the surroundings though the main findings are on display in the Anatolian Civilizations Museum in Ankara.

After a 5-hour tour, the participants will arrive back in the city approximately at 5 pm.

4th Excursion: Beypazarı

Duration: 6 Hours (included: transportation by coach bus, coordinator, professional guide)



The bus will depart from the conference venue. After 1.5 hours of scenic driving, we will arrive to Beypazarı. Beypazarı is small town and is situated on the historical Silk Road, and there are about 3000 existing wooden houses. The Beypazarı tour starts with Hıdırlıktepe, a panoramic hill overlooking Beypazarı, a good photo opportunity. The tour will continue with Aladdin Street, a unique place where local Beypazarı style houses can be seen. Next in the program will be the Living Museum. The museum features local handicrafts such as needlepoint, embroidery, jewellery, copperware and woodcarving. Our next stop will be the Aladdin Mosque, dating back to the Selçuklu period. After visiting the Aladdin Street area, we then visit the Silversmith's Market to see some examples of locally made silver handicrafts.

After a 6-hour tour, the participants will arrive back in the city approximately at 6 pm.

Pre-Post and Accompanying Tours

A variety of excursions and tours as well as holiday arrangements can be organized for all interested participants before and after the conference.

Excursions and tours are also organized for accompanying guests throughout the 4 days of the conference.

For further information please contact Administrative Secretariat, at adminpme35@arber.com.tr

Minimum of attendants: 5 pax/per tour/excursion

CAPPADOCIA TOUR (1 NIGHT & 2 DAYS)

Göreme Valley, Uçhisar, Göreme Open – Air Museum, Fairy Chimneys of Ürgüp, Devrent Valley



EPHESUS & PAMUKKALE TOUR (1 NIGHT & 2 DAYS)

Temple of Artemis, House of Virgin Mary, Şirince Village, Ancient City of Hierapolis, Terraces, Thermal Waters



SAFRANBOLU & AMASRA TOUR (1 NIGHT & 2 DAYS)

Cinci Han, Cinci Hamam, Koprulu Mosque with its sundial clock, Pasa Mosque and Ulu Mosque



ISTANBUL TOUR (1 NIGHT & 2 DAYS)

Sightseeing, Roman Hippodrome, Blue Mosque, St. Sophia (Hagia Sophia), Topkapi Palace, Grand Bazaar.



General Information

Languages

The official language of the conference is English. There will be no simultaneous translation.

Passport / VISA

Turkey is a EU-member candidate state. No visa is needed for EU citizens. For non-EU citizens please contact the nearest Turkish Embassy. Visas are needed for citizens of nearly all non-EU countries. Those who need an official invitation in order to obtain a visa for entering Turkey, contact the Conference Secretariat as soon as possible!

Details on visa requirements can be found on the [website of Ministry of Foreign Affairs](http://www.mfa.gov.tr/) <http://www.mfa.gov.tr/>. Consular section of the Ministry of Foreign Affairs: <http://www.mfa.gov.tr/turkish-representations.en.mfa>

PME35 cannot be held responsible for any matters related to obtaining visas.

Letters of Invitation

Delegates requiring a letter of invitation in order to attend the Conference, may write to the Administrative Secretariat specifying the necessary details. Please note that this procedure aims explicitly at assisting delegates who need to obtain a visa or permission to attend the conference. It is not an official invitation covering fees and other expenses and does not imply any financial support from the conference organisers.

Currency

The legal Turkish currency is Turkish Liras (TL) and Kuruş (Kurush) (Kr) (100 Turkish Kurush= 1 Turkish Lira). The approximate rate of exchange is about 2.20 TL/EUR. For the actual rate, check Central Bank Of the Republic of Turkey website: <http://www.tcmb.gov.tr/yeni/eng/>

Electrical Appliances

If you are planning to bring with you electrical equipment (e.g. battery chargers, laptop power supply, etc.), please check if you need an adapter. Electrical power is rated 220 V at 50 Hz.

Most common power outlets are designed for ungrounded two-pin Euro plugs (those commonly found in small devices, razors, battery chargers). Power outlets for CEE 7/7 plugs are sometimes available, but if you have any device equipped with this kind of plug you should buy an adapter. Any other kind of plug needs an adapter.

Time Zone

The time in Turkey is two hours ahead of Greenwich Mean Time (GMT + 2). Same time zone is used all over the country.

Turkey Telephone Code

The international phone code for Turkey is +90

The phone code for Ankara is +90 312

Within Turkey, use 0 instead of +90 (ie. 0 312 for calling Ankara within Turkey)

Opening Hours

Large stores and the Grand Bazaar are generally open from 10 am - 6:30 pm. Large shopping malls are open from 10 am to 10 pm. Small shops stay open till all hours, generally opening between 9 and 10 in the morning. For most offices 9 am - 6pm, many bank branches close between 12:30am – 1.30pm for lunch.

In the middle of summer in hot southern locations, some shops may close in mid afternoon for a short siesta and then stay open till 9 or 10 at night. Breakfast is (7 - 10am) and lunch is (12am - 2:30pm) at standard times. Dinner tends to be late, around 8 - 9pm and even later during the summer months, although restaurants are generally open for service by 7 pm.

Climate

Ankara average Weather and Climate Chart.

	Maximum	Minimum
Ankara weather in June	24°C / 75°F	11°C / 52°F
Ankara weather in July	28°C / 82°F	12°C / 54°F
Ankara weather in August	28°C / 82°F	12°C / 54°F

Please also check the internet before you leave for Turkey (e.g. <http://www.weather.com>).

Liability and insurance

The Local Organizing Committee does not accept any liability for personal injuries, or for loss, or damage to property belonging to conference participants (or their accompanying persons) either during or as a result of the conference. Please, check the validity of your own insurance.

Useful links

Conference Website

<http://www.pme35.metu.edu.tr>

ConfTool Conference Registration Website

<http://www.conftool.com/pme35>

PME Membership Website (for those not attending PME 35)

<http://www.conftool.com/pmemember>

International Group of PME

<http://igpme.org>

Math Union/ICMI, the International Commission on Mathematics Instruction

www.mathunion.org/icmi

Next ICME Congress, ICME 12, 8th July to 15th July 2012 in Soeul, Korea

www.icme12.org/en/index.htm

Middle East Technical University

www.metu.edu.tr

The Council of Higher Education

www.yok.gov.tr

Republic of Turkey Ministry of National Education

www.meb.gov.tr

Republic of Turkey Ministry of Culture and Tourism

<http://www.kulturturizm.gov.tr>

Republic of Turkey Ministry of Foreign Affairs

http://www.konsolosluk.gov.tr/Visa/Visa_Welcome.aspx

Provisional Conference Timetable

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

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