43rd Annual Meeting of the International Group for the Psychology of Mathematics Education (PME 43)

7-12 July, 2019
Pretoria, South Africa

www.pme43.up.ac.za

Second Announcement

*Improving access to the power of mathematics*
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1. Welcome
The Local Organising Committee of the 43rd Annual Meeting of the International Group for the Psychology of Mathematics Education is pleased to invite you to attend the conference to be held in Pretoria, South Africa, from 7 – 12 July 2019.

The theme of the conference is **Improving access to the power of mathematics**. Since this is only the second time the conference will be hosted on the African continent, we would like to give the conference a strong African focus – focussing on access, which is very relevant in South Africa as well as in the rest of Africa. However, we would also like to focus on the power of mathematics, thereby giving the conference a strong mathematics flavour. Hence our theme.

Our goal is to make the 2019 meeting scientifically and socially successful. We hope that your visit and stay in Pretoria and South Africa will be exciting, informative, and inspiring. We look forward to welcoming you to the conference in July, 2019.

1.1 Hosting organisation and conference venue

![University of Pretoria Logo](image)

The University of Pretoria is a multi-faculty research-intensive university with campuses in Pretoria, its surrounds, and in the country’s economic hub, Johannesburg. The university is conveniently situated in close proximity to government departments and major research entities in Pretoria, including the National Research Foundation (NRF) and the Council for Scientific and Industrial Research (CSIR).

As one of South Africa’s oldest institutions of higher education, the University of Pretoria provides a refreshing mix of academic tradition and progressive vision. The latter is brought to life by means of world-class research that results in positive, tangible contributions to both local and global communities.

It is one of the largest universities in the country with about 53000 students. The conference will take place at the Groenkloof (Education) Campus of the University of Pretoria. The Groenkloof Campus of the University of Pretoria hosts the Faculty of Education. All conference activities will take place on this campus. A broad range of conference rooms are available on the campus which are all in short walking distance from each other – as well as from the area where social activities will take place. The campus is about 5 km from the main (Hatfield) university campus and from most of the hotels.
Plenary activities will take place in the Auditorium seating about 450 (building 10 in the map below).

Eight smaller venues accommodating between 80 and 200 people each as well as eight seminar rooms with between 50 and 90 seats each are also available in ALDOEL (building 22 in the map below). All lecture venues are equipped with data projectors.

1.2 Presenting organisations
The conference will be presented jointly by the South African Mathematics Foundation (SAMF) and the African Mathematical Union (AMU).

The SAMF is an initiative of the two biggest representatives of mathematicians and mathematics educators in South Africa, the South African Mathematical Society (SAMS) and the Association of Mathematics Educators of South Africa (AMESA). The South African Mathematics Foundation was developed out of concerns of mathematicians and mathematics educators to address the shortage of mathematics teachers and the concerns around effective mathematics education. Although an independent agency, we have representation from five different government departments on our board. The four
The SAMF organised the 2014 International Mathematics Olympiad in Cape Town – an event that is on a larger scale than PME – and has good experience in organising such events.

The AMU was founded during the first Pan African Congress of Mathematicians, which took place in Rabat, Morocco in July 1976. Its creation had been prepared during several meetings of African mathematicians that took place in France, Senegal, Canada, Ghana, Morocco and Côte d’Ivoire during the early 1970s.

The AMU defined as its mission to coordinate and to promote the quality of teaching, research and outreach activities in all areas of mathematical sciences throughout Africa. Advancing mathematical research and education includes efforts and contributions towards the economic, social and cultural development of the continent. Moreover, the AMU aims at stimulating active cooperation among African mathematicians and, more broadly, with African scientists and engineers. The AMU is eager to collaborate with other scientific organisations inside and outside Africa pursuing similar goals.

Aware of the importance of science, technology and innovation for the socio-economic development of the African nation, the new strategy of AMU consists of the development of mathematics that can impact critical sectors of the economy and the initiation of a fruitful collaboration with industry and business world.

1.3 About South Africa (source Wikipedia)
South Africa, officially the Republic of South Africa (RSA), is the southernmost country in Africa. It is bounded on the south by 2,798 kilometres (1,739 mi) of coastline of Southern Africa stretching along the South Atlantic and Indian Oceans; on the north by the neighbouring countries of Namibia, Botswana, and Zimbabwe and on the east and northeast by Mozambique and Swaziland; and surrounds the kingdom of Lesotho. South Africa is the largest country in Southern Africa and the 25th-largest country in the world by land area and, with close to 56 million people, is the world’s 24th-most populous nation.

South Africa is a multi-ethnic society encompassing a wide variety of cultures, languages, and religions. The population consists of Africans (black), Europeans (white), Asians (Indian), and multiracial (coloured) people. Its pluralistic makeup is reflected in the constitution’s recognition of 11 official languages, which is among the highest number of any country in the world. Two of these languages are of European origin: Afrikaans developed from Dutch, serving as the first language of most white and coloured South Africans and English reflects the legacy of British colonialism, and is commonly used in public and commercial life, though it is fourth-ranked as a spoken first language. The country is one of the few in Africa never to have had a coup d’etat, and regular elections have been held for almost a century. However, the vast majority of black South Africans were not enfranchised until 1994. During the 20th century, the black majority sought to recover its rights from the dominant white minority, with this struggle playing a large role in the country’s recent history and politics. The National Party imposed apartheid in 1948, institutionalising previous racial segregation. After a long and sometimes violent struggle by the African National Congress and other anti-apartheid activists both inside and outside the country, the repeal of discriminatory laws began in 1990.

Since 1994, all ethnic and linguistic groups have held political representation in the country's democracy, which comprises a parliamentary republic and nine provinces. South Africa is often referred to as the “rainbow nation” to describe the country’s multicultural diversity, especially in the wake of apartheid. The World Bank classifies South Africa as an upper-middle-income economy. Its economy is the second-largest in Africa, and the 34th-largest in the world. However, poverty and inequality remain widespread, with about a quarter of the population unemployed and living on less than US$1.25 a day. Nevertheless, South Africa has been identified as a middle power in international affairs, and maintains significant regional influence.

South Africa contains some of the oldest archaeological and human-fossil sites in the world. Archaeologists have recovered extensive fossil remains from a series of caves in Gauteng Province. The
area, a UNESCO World Heritage site, has been termed the "Cradle of Humankind". Raymond Dart identified the first hominin fossil discovered in Africa, the Taung Child (found near Taung) in 1924.

These finds suggest that various hominid species existed in South Africa from about three million years ago, starting with Australopithecus africanus. There followed species including Australopithecus sediba, Homo ergaster, Homo erectus, Homo rhodesiensis, Homo helmei, Homo naledi and modern humans (Homo sapiens). Modern humans have inhabited Southern Africa for at least 170,000 years.

1.4 About Pretoria

Pretoria (Tshwane), in Gauteng Province, is the administrative capital of South Africa and the 4th largest city in the country. It is about 65 km north of Johannesburg and about 45 km from OR Tambo International Airport.

Known as "Jacaranda City" for its thousands of jacaranda trees, the city is also known for its universities and government buildings. The history and politics of South Africa continue to play out in this city. The semicircular Union Buildings encompass the president’s offices and hosted Nelson Mandela’s inauguration. Nearby is the massive Voortrekker Monument, honouring 19th-century Afrikaans settlers from the Cape Colony. There have been proposals to change the name of Pretoria itself to Tshwane, with discussions still ongoing.

1.5 Conference dates

- Early Researchers Day (ERD) will take place on Saturday 6 July and Sunday 7 July.
- The registration will be on Sunday 7 July 3 between 14:00 and 16:00 in the foyer of the Auditorium.
- The opening session, including the first plenary presentation and the opening reception, will begin on Sunday 7 July at 16:00 in the Auditorium.
- The excursions are planned for Wednesday 10 July, after lunch.
- The conference dinner will take place on Thursday evening 11 July.
- The conference will end on Friday 12 July, around 14:00.

1.6 Dates for IGPME Activities

- The First Timers Meeting for colleagues attending a PME conference for the first time will take place on Sunday 7 July at 15:00-16:00 PM in lecture room L8.
• The Policy Meeting gives space for an open discussion with the members of the International Committee. It will take place during lunchtime on Tuesday 9 July in the Auditorium.
• The Annual General Meeting (AGM) will take place on Thursday afternoon 11 July, in the Auditorium.

2. Committees of PME 43

2.1 The International Programme Committee (IPC)
The International Programme Committee of PME 43 in Pretoria consists of:
Mellony Graven LOC/PME, co-chair, Rhodes University (South Africa)
Hamsa Venkat, LOC, co-chair, WITS University, (South Africa)
Peter Liljedahl, PME, Simon Fraser University (Canada)
Maitree Imprasitha, PME, Khon Kaen University (Thailand)
Miguel Ribeiro, PME, University of Campinas (Brazil)
Ugorji Ogbonnaya, LOC, University of Pretoria (South Africa)
Anthony Essien, LOC, WITS University (South Africa)
Johann Engelbrecht, LOC, University of Pretoria (South Africa)
Markku Hannula, PME, coopted, University of Helsinki (Finland)
Pamela Vale, LOC, coopted, Rhodes University (South Africa)

2.2 The Local Organising Committee (LOC)
The host institution is the University of Pretoria. Two departments, the Department of Science, Mathematics and Technology Education (SMTE) and the Department of Mathematics and Applied Mathematics will jointly host the conference and the conference is presented by the South African Mathematics Foundation (SAMF) and the African Mathematical Union (AMU).

Johann Engelbrecht (Conference chair, University of Pretoria)
Sonja van Putten (Vice chair, University of Pretoria)
Roumen Anguelov (University of Pretoria)
Nouzha El Yacoubi (Morocco, African Mathematical Union)
Mellony Graven (Rhodes University)
Hamsa Venkat (WITS University)
Caroline Long (University of Johannesburg)
Anthony Essien (WITS University)
Belinda Huntley (University of South Africa)
Ingrid Sapire (WITS University)
Arindam Bose (Tata Institute of Social Sciences, India)
Ronel Paulsen (University of South Africa)
Ugorji Ogbonnaya (University of Pretoria)
Hlengani Siwinya (University of Limpopo)
Avhasei Tsanwani (Limpopo Education Department / University of Venda)
JJ Dhlamini (University of South Africa)
David Sekao (University of Pretoria)
Harry Wiggins (University of Pretoria)
Adri van der Nest (University of South Africa)
Judah Makonye (WITS University)
Pamela Vale (Rhodes University)
Kerstin Jordaan (SA Mathematics Foundation)
Ellie Olivier (SA Mathematics Foundation)
2.3 Conference secretariat
The conference secretary is Ellie Olivier from SAMF. For any questions regarding PME 43, please contact her at pme43@samf.ac.za

3. Conference website
The conference website (www.pme43.up.ac.za) is where you can find up-to-date information on matters contained within this First Announcement. See also the conference page on Facebook (www.facebook.com/pme43/) where news and reminders are posted. General information about PME is also available on the website of the International Group for the Psychology of Mathematics Education (IGPME) at www.igpme.org.

4. About IGPME
The International Group for the Psychology of Mathematics Education (IGPME) is an autonomous body, governed as provided for in its 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 (ICME-3) held in Karlsruhe, Germany in 1976. The conference in 2019 is the 43rd annual meeting of the International Group for the Psychology of Mathematics Education (PME 43).

4.1 The constitution of IGPME
The constitution of PME was adopted at the Annual General Meeting (AGM) on 17 August 1980 and changed at the AGM on 24 July 1987, on 10 August 1992, on 2 August 1994, on 18 July 1997, on 14 July 2005, on 21 July 2012, and on 7 July 2018. The major goals of the group are:
(i) to promote international contact and exchange of scientific information in the field of mathematical education;
(ii) to promote and stimulate interdisciplinary research in the aforesaid area; and
(iii) 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

4.2 Honorary members of IGPME
Efraim Fischbein (deceased), Hans Freudenthal (deceased), and Joop Van Dormolen (retired).

4.3 International Committee

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<tr>
<th>Role</th>
<th>Name</th>
<th>Country</th>
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<tr>
<td>President</td>
<td>Peter Liljedahl</td>
<td>Canada</td>
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<tr>
<td>Vice-President</td>
<td>David M. Gomez</td>
<td>Chile</td>
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<tr>
<td>Secretary</td>
<td>Einat Heyd-Metzuyanim</td>
<td>Israel</td>
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<tr>
<td>Treasurer</td>
<td>Laurinda Brown</td>
<td>United Kingdom</td>
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<td>Policy</td>
<td>Lovisa Sumpter</td>
<td>Sweden</td>
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<td>President-Elect</td>
<td>Markku Hannula</td>
<td>Finland</td>
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<td>Judy Anderson</td>
<td>Australia</td>
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<td>Richard Barwell</td>
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<td>Yiming Cao</td>
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<td>Man Ching Esther Chan</td>
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<td>Anika Dreher</td>
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<td>Anthony Essien</td>
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<td>Miguel Ribeiro</td>
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<td>Kai-Lin Yang</td>
<td>Taiwan</td>
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4.4 IGPME administrative manager
The IGPME administrative manager is
Birgit Griese
Paderborn University, Germany
Tel: +49 (0) 5251 60-1839
Email: info@igpme.org

5. The scientific programme
The theme of the 43rd PME conference is:

Improving access to the power of mathematics

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 in their first languages, following a research report or an oral communication, if translation is provided by someone in the session. The scientific programme includes the following activities that are explained in more detail below.

**Plenary sessions (see Section 5.1)**
- Plenary lectures
- Plenary panel

**Personal presentations (see Section 5.2)**
- Research reports (RR)
• Colloquia (CO)
• Oral communications (OC)
• Poster presentations (PP)

**Group activities (see Section 5.3)**
• Research forums (RF)
• Working groups (WG)
• Seminars (SE)
• Regional presentation (RP)

In addition to these activities, the conference will also offer an Early Researchers’ Day (ERD), the day before the main conference (see Section 5.4).

5.1 Plenary sessions

5.1.1 Plenary lectures
There will be four plenary addresses from invited speakers, each lasting 60 minutes. A reactor will be present at some of the plenary sessions to comment on the presentations. The plenary speakers for PME43 are:

Sizwe Mabizela (Rhodes University, South Africa) - non PME speaker
Talk title: *Mathematics and Mathematical Literacy: Gains and losses*

Núria Planas (Universitat Autònoma de Barcelona, Spain)
Talk title: *Transition zones in mathematics education research for the development of language as resource*

Ravi Subramaniam (Homi Bhabha Centre for Science Education, TIFR, India)
Talk title: *Representational coherence in instruction as a means of enhancing students’ access to mathematics*

Peter Liljedahl (Simon Fraser University, Vancouver, Canada)
Talk title: *Institutional norms: The assumed, the actual, and the possible*

5.1.2 Plenary panel
The plenary panel will be held according to the Oxford-Style debate protocol on a topic related to the theme of the conference. The topic this year will be

*What is proven to work (according to international comparative studies) in successful countries should be implemented in other countries.*

The panel for PME43 consists of the following researchers:

Panel Chair: Judit Moschovich (USA)
Mercy Kazima (University of Malawi)
Robyn Jorgenson (University of Canberra, Australia)
Yeping Li (Texas A&M University, USA)
Kim Heejeong (Hongik University, Korea)

5.2 Personal presentations
Notifications of decisions from the International Programme Committee (IPC) to accept or reject proposals were made available in April 2019. The detailed reviews for Research Reports are made available in the ConfTool system at [http://www.conftool.com/pme42](http://www.conftool.com/pme42) (on the author's personal page).
In order for an accepted proposal to be presented at the conference and to appear in the proceedings, the presenting author must pay the full Conference fee no later than 15 May 2019. The conference deposit already paid by the presenting author for pre-registration is non-refundable and will be deducted from the full conference fee.

The International Committee (IC) prepared helpful presenting guidelines for personal presentations. These are available on the IGPME website, http://igpme.org/index.php/annual-conference/furtherinformation/presentation-guidelines.

5.2.1 Research Reports (RR)
The deadline for submission of RR proposals was 15 January 2019. The number of submitted RR proposals was 213, and 125 of them were accepted. Of those rejected as RR proposals, 70 were invited to be resubmitted as OC, and 18 as PP. Re-submitted OCs and PPs will undergo the same review process as the OC and PP submissions that were submitted directly. Decisions on OC and PP re-submissions will be provided no later than 7 May 2019. Accepted papers can be presented at the conference and will be included in the proceedings only if the full conference registration fee has been paid by the presenting author no later than 15 May 2019.

Each RR presentation will be allotted a total of 40 minutes: 20 minutes for the oral presentation and 20 minutes for questions and comments. A chairperson will be assigned to each RR session. They will introduce the presenters, make a comment regarding photographing, audio recording and filming the session, monitor timing of the session, and moderate the discussion.

5.2.2 Colloquium (CO)
The goal of a Colloquium is to provide an opportunity to present a set of three papers that are interrelated (e.g., they are connected through related or contrasting theoretical stances, use identical instruments or methods, or focus on closely related research questions), and to initiate a discussion with the audience on the interrelated set.

The deadline for submission of Colloquium proposals was 15 January 2019. There was 1 proposal submitted for a colloquium, and this has been accepted. The accepted CQ will be presented at the conference and will be included in the proceedings only if the full conference registration fee has been paid by the all presenters, the organiser and the discussant of the colloquium no later than 15 May 2019.

A 90-minute time slot will be devoted to the Colloquium. The organiser takes care of the chairing. The organiser first briefly introduces the Colloquium topic and then each paper is presented in turn. The presentation time for each paper can be agreed with the organiser beforehand, but will be between 15 and 20 minutes (depending on how much the papers have in common; some presentations can be shorter). Afterwards, the discussant initiates the discussion for approximately 10 minutes, which is followed by discussion with the audience.

5.2.3 Oral Communication (OC)
Oral Communications are intended to present smaller studies and research that is best communicated by means of a shorter oral presentation instead of a full Research Report. They should describe which past research the study is built on, give a concise overview of the new results attained and what the main implications of these results are.

The deadline for submission of OC proposals was March 10, 2019. The number of submitted OC proposals was 116 and 80 of them were accepted. Of those rejected as OC proposals, 36 were invited to be resubmitted as PP. Re-submitted PPs will undergo the same review process as PP submissions that were submitted directly. Decisions on PP re-submissions will be provided no later than 7 May 2019. Accepted OCs can be presented at the conference and will be included in the proceedings only if the full conference registration fee has been paid by the presenting author no later than 15 May 2019.
The IPC will group three OCs according to the distinctive themes in order to provide opportunities for a common discussion period at the end of each OC session. A chairperson will be assigned to each OC session. They will introduce the presenters, make a comment regarding photographing, audio recording and filming the session, monitor timing of the session, and moderate the discussion.

In OC sessions, 10 minutes are allowed for each presentation which include the time it takes for preparation. However, the remaining 30 minutes of discussion time can be organized in different ways. For OC sessions, the chairperson assigned will recommend one of the two timing options depending on whether the presentations are closely related or not. Decisions will be made based on the chairperson's reading of the OC summaries, and after consultation with the three presenters before the start of the session. The two options are:

1. Joint discussion at the end for presentations with closely related themes: After each presentation, there will be opportunities to clarify immediate questions for at most 5 minutes. The remaining 15 minutes of discussion on the theme will take place at the end of the session.
2. Separate discussions for presentations with separate themes: The chairperson will moderate 10 minutes of questions and discussions directly after each 10-minute OC presentation.

5.2.4 Poster Presentation (PP)
Poster Presentations are intended for research that is best communicated in a visual form rather than an oral presentation. Posters should describe the research context of the study presented, the study itself, and its implications, with a particular focus on the visual aspects of the presentation.

The deadline for submission of PP proposals was 10 March 2019. The number of submitted PP proposals was 72, and 60 of them were accepted. Accepted PPs can be presented at the conference and will be included in the proceedings only if the full conference registration fee has been paid by the presenting author no later than 15 May 2019.

A total of 60 minutes will be allocated to each Poster Presentation session during the conference. Note that the poster presentations run concurrently with coffee breaks. Authors should avail themselves at their poster during this session for discussion with conference participants. Authors are expected to put up their posters at the start of the conference and leave them there for the duration of the conference. The maximum size limit of a poster is A0 (84 x 119 cm). Please use the portrait format for the poster.

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

Accepted proposals will be included in the conference program and in the conference proceedings only if the full conference fee for the coordinators is paid no later than 15 May 2019.

5.3.1 Research Forum (RF)
The goal of a Research Forum is to create dialogue and discussion by offering PME members more elaborate presentations, reactions, and discussions on topics on which substantial research has been undertaken in the last 5-10 years 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 instead is meant to convey an overview of an area of research and its main current questions, thus highlighting contemporary debates and perspectives in the field.

The deadline for submission of RF proposals was 1 November 2018. There were 3 submitted RF proposals, which were all accepted.
RF 1: RITUALS AND EXPLORATIONS IN MATHEMATICAL TEACHING AND LEARNING
Einat Heyd-Metzuyanim (co-ordinator), Jill Adler, Mellony Graven, Irit Lavie, Talli Nachlieli, Sally-Ann Robertson, Michal Tabach, Olov Viirman

RF 2: THE USE OF VIDEO FOR THE LEARNING OF TEACHERS OF MATHEMATICS
Alf Coles, Ronnie Karsenty, Kim Beswick, Greg Oates, Lawan Abdulhamid

RF 3: RESEARCHING MATHEMATICS EDUCATION AND LANGUAGE DIVERSITY: THE THEORIES WE USE AND WHAT THEY ENABLE US TO SEE, SAY OR DO
Mamokgethi Phakeng, Núria Planas, Arindam Bose

Accepted RFs can be presented at the conference and will be included in the proceedings only if the full conference registration fee has been paid in time by all researchers contributing to the RF no later than 15 May 2019. Two 90-minute slots will be allocated to each Research Forum.

5.3.2 Working Group (WG)
The aim of Working Group, is that PME participants are offered the opportunity to engage in exchange or to collaborate in respect to a common research topic (e.g. start a joint research activity, share research experiences, continue or engage in academic discourse). A Working Group may deal with emerging topics (in the sense of newly developing) as well as topics that are not new but possibly subject to changes. It must provide opportunities for contributions of the participants that are aligned with a clear goal (e.g. share materials, work collaboratively on texts, and discuss well-specified questions).

The deadline for submission of WG proposals was March 10, 2019. The number of submitted Working Group proposals was 13, and 7 were accepted, while 4 were invited to be re-submitted as a Working Group and so may still happen.

WG 1: INTERNATIONAL PERSPECTIVES ON PROOF AND PROVING
David A. Reid, Keith Jones, Ruhama Even

WG 2: MATHEMATICAL LEARNING DISABILITIES: A CHALLENGE FOR MATHEMATICS EDUCATION
Marie-Line Gardes, Francesca Gregorio, Thierry Dias, Michel Deruaz

WG 3: LEVERAGING TECHNOLOGY TO IMPROVE ACCESS TO MATHEMATICS – CHALLENGES AND RESPONSE
Suchismita Srinivas, Arindam Bose, Ruchi Kumar

WG 4: CONCEPTUALISING THE EXPERTISE OF THE MATHEMATICS TEACHER EDUCATOR
Tracy Helliwell, Sean Chorney

WG 5: TASK DESIGN FOR EARLY ALGEBRA
Aisling Twohill, Sharon Mc Auliffe, Sinead Breen, Hamsa Venkat, Nicky Roberts, Erna Lampen

WG 6: STEM AND SOCIAL JUSTICE EDUCATION: INITIATING INTERNATIONAL DISCUSSIONS
Judy Anderson, Cynthia Nicol, Yeping Li

WG 7: EARLY YEARS TEACHER EDUCATION NUMBER SENSE CURRICULA
Zain Davis, Shaheeda Jaffer, Lise Westaway, Corin Mathews

For accepted proposals to be included in the program and the proceedings, all researchers contributing to the Working Group have to make a full registration no later than 15 May 2019.

5.3.3 Seminar (SE)
The goal of a Seminar is the professional development of PME participants, especially new researchers and/or first comers, in different topics related to scientific PME activities. This encompasses, for
example, aspects like research methods, academic writing, or reviewing. A Seminar is not intended to be only a presentation but should involve the participants actively. PME can give a certificate of attendance to participants of the Seminar. Facilitating a seminar will not count as a contribution for the existing restrictions on conference contributions.

The deadline for submission of SE proposals was March 10, 2019. One Seminar was submitted and this has been accepted.

SE 1: WRITING AND PUBLISHING JOURNAL ARTICLES
Arthur Bakker, Wim van Dooren

For accepted proposals to be included in the program and the proceedings, all researchers contributing to the Seminar have to make a full registration no later than 15 May 2019. Two 90-minute slots will be allocated to the Seminar.

5.3.4 Regional presentation (RP)
Rather than having a National Presentation we will have a Regional Presentation on the Southern African regions, with inputs on the rest of Africa. The Regional Presentation will be organised and chaired by Joanna Masingila (Kenya and USA), Mercy Kazima (Malawi) and Nouzha El-Yacoubi (Morocco). They will give an overview of the history, traditions and perspectives of mathematics education in the African continent. In addition, they will relate and contrast the African situation with international mathematics education research.

5.4 Early Researchers’ Day
PME is pleased to offer a special day (Early Researchers’ Day, ERD) for early career researchers who are also attending the PME conference. The Early Researchers’ Day will directly precede the main PME conference and will consist of presentations, working groups, and other kinds of sessions planned to be of value to those new to research in mathematics education.

The aim of the ERD is to provide early career researchers with opportunities to develop their research skills in various fields, establish new contacts, build networks among themselves and with respect to future PME conferences, and meet and work with international experts in the field.

The 2019 ERD will be held on the afternoon of Saturday 6 July 2019 and the morning of Sunday 7 July 2019 at the Groenkloof campus of the University of Pretoria. The day is being organised by Anthony Essien (IC member, South Africa) and Michal Tabach (Israel). Registration fees for ERD and coffee breaks are complimentary (no cost) and researchers can apply for participation through ConfTool. Priority will be given to current PhD students and post-doctoral students, and special consideration will be given to applicants from underrepresented countries. Updated and more detailed information will be posted on the conference website: www.pme43.up.ac.za.

6. PME 44 pre-submission support
PME44 in 2020 will be held in in Khon Kaen, Thailand. The PME pre-submission support for research reports and oral communications is intended for novice or inexperienced researchers who have limited access to expert advice and who would like to receive guidance from more experienced PME researchers. Applicants should submit their paper to the 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 PME pre-submission support coordinator is David Wagner (Canada), dwagner@unb.ca. Authors who wish to have a mentor to compose a Research Report or Oral Communication should contact the coordinator as early as possible, but no later than 1 November 2019.

The pre-submission support papers should be accompanied by a statement in which the authors describe their limited experience in writing research reports (or journal articles) and their limited access to expert advice.
Mentors will correspond with the applicants and help strengthen their submitted papers. 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.

For more information, see www.igpme.org/index.php/annual-conference/pre-submission-support.

7. Registration and payment

7.1 Conference registration
Registration for PME43 is carried out using the Conftool Conference registration system, at www.conftool.com/pme43. Before registering for the conference or paying the membership fee, you will need to create a user in the PME Conftool system.

a) If you are a new user of the PME Conftool system:
   • Please create a new account and register in the system.
   • You will need to provide your personal information and account information in order to build your own data base in the system.
   • After filling in these details and submitting all information needed, you will be able to continue with your conference registration.

b) If you have been a user of the PME Conftool system:
   • Please log in by entering your existing username and password. If you have forgotten your password, Conftool will help you to retrieve it.

If you have any problems with registration, please contact the conference registration secretariat at pme43@samf.ac.za.

7.2 IGPME membership only
If you have been an IGPME member in the past, but will not be attending PME 43, or you want to become a new IGPME member who will not attend PME 43, pay the annual membership fee for PME through Conftool. This is necessary for maintaining or getting membership.

1. As a member of IGPME who wants to renew membership:
   • Log in by entering your username and password and select the option “Pre-Register for this Event or Join PME as a member.”

   As a new member of IGPME:
   • Create a new account and register in the system.
   • You will need to provide your personal information and account information in order to build your own data base in the system.
   • After filling in these details and submitting all information needed, you are able to select the option “Pre-register for this event or join PME as a member.”

2. After checking your personal details and choosing “Pay PME membership fee ONLY” in the following step, the system will automatically take you to the payment form where you can get information on payment options for the membership fee.

3. If you choose online payment, the system will connect you with a secure page for you to complete your payment. If you have any problems with payment of the membership fee, please contact the conference secretariat: pme43@samf.ac.za
7.3 Registration fees

7.3.1 Total registration fee
The total registration fee for PME42 is ZAR 7500.
The total registration fee covers:
- PME membership for the year 2019 of 50 Euro (no VAT);
- a compulsory Skemp Fund donation of 10 Euro (no VAT);
- a set of printed conference proceedings (see below) and access to an electronic version of the proceedings;
- 4 lunches and 10 coffee breaks;
- opening reception (Sunday 7 July);
- excursion (Wednesday 10 July);
- conference dinner (Thursday 11 July);
- the costs of venue, administrative work, and facilities needed for the organisation of the conference.

You have the option to choose if you want to receive printed proceedings or not. The default option includes both printed and electronic proceedings. During the registration process, participants can choose the alternative option that includes only electronic proceedings. If you choose only electronic proceedings, the registration fee will be reduced by ZAR 400.

7.3.2 Accompanying person fee
We welcome accompanying persons. Accompanying persons participate in the social programme but not in the scientific programme of the conference. The fee for accompanying persons is ZAR 2100 per person.
The fee covers:
- opening ceremony and reception (Sunday 7 July);
- excursion (Wednesday 10 July);
- conference dinner (Thursday 11 July).
- the costs of venue, administrative work, and facilities needed for the organisation of the conference.

There is no fee for accompanying children 13 years of age or less.

Accompanying persons should be registered together with the regular participant in the registration process. It is not possible to register as accompanying person only. If you have any questions, please contact the conference secretariat at pme43@samf.ac.za.

7.3.3 Late registration fee
An additional charge of ZAR 800 will be applied for registrations made after 15 May 2019.

7.4 Payment options
All participants can make their payment by credit card or bank wire transfer. If you use a credit card, the process will be carried out online. The ConfTool system will connect you to an external platform for payment. There you will enter your personal information and choose payment type. If you choose to pay by bank wire transfer you will get an invoice. You need to transfer the funds to the account designated on the invoice sent to you by e-mail or post after registration.

Your registration will only be finalised when the payment process is complete. If you have any questions regarding your payment, please contact the conference secretariat at pme43@samf.ac.za.
7.5 Donations to 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 (see section 7.6). The spirit of the fund is to help academics who normally would not 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 Euro is included in the registration fee for the conference. In addition, the International Committee calls on members to make an additional donation, however small, to the Skemp Fund when registering for PME43.

7.6 Cancellation policy

7.6.1 For registered participants
Participation in the conference is conditional upon registration and payment of all fees. All cancellations and changes regarding the conference registration must be made in written form to the conference secretariat by sending an email to pme43samf.ac.za. In all cases, the conference deposit will not be refunded; however, the deposit will cover one year of membership as well as access to the electronic conference proceedings (see section 7.3.1 Conference Deposit). If a cancellation for conference participation is made after the full registration fee has been paid:

- Before 31 May 2019, the refund will be the amount of the full registration fee minus the conference deposit and the fees that the bank charges for transferring the refund. Refund = (registration fee – conference deposit) – bank fees.

- After 31 May 2019, the refund will be 50% of the full registration fee minus the conference deposit, and then subtracting the fees that the bank charges for transferring the refund. Refund = 50% of (registration fee – conference deposit) – bank fees.

- After 7 July 2019, when the conference has started, cancellation is not possible.

7.6.2 For accompanying persons
If a cancellation for accompanying person is made after the full registration fee has been paid:

- Before 31 May 2019, the refund will be the amount paid minus the fees that the bank charges for transferring the refund will be refunded. Refund = accompanying person fee – bank fees.

- After 31 May 2019, the refund will be 50% of the amount, subtracting the fees that the bank charges for transferring the refund. Refund = 50% of accompanying person fee – bank fees.

- After 7 July 2019, when the conference has started, cancellation is not possible.

7.6.3 General information
Participation is not guaranteed until full payment of the registration fee is received. The conference programme may be subject to changes (based on decisions by the International Programme Committee).

In the case of unforeseeable events, it is up to the International Programme Committee and the International Committee of PME to decide on changes or even the cancellation of the conference and the amount of refund of payments. If the conference is cancelled, the remaining funds will be paid back to the participants and no further liability of the local organisers or PME will be accepted towards the client.
8. Important dates for PME 43 (2019)

8.1 Scientific programme and registration
The deadline of final registration for all participants is 15 May 2019. Contributions cannot be presented at the conference and will not be included into the proceedings, if final registration, including the payment of the total registration fee is not completed by that date.

Late registration is possible (with an extra fee of ZAR 800) up to the start of the conference, 6 July 2019.

8.2 Deadlines for PME44 in Thailand
Research Forum proposals for PME44 to be held in in Khon Kaen, Thailand. July 2020, should be submitted before 1 November 2019, to the Administrative Manager (info@igpme.org).

The PME Pre-Submission Support for contributions to PME44 is 1 November 2019. Please refer to section 6 in this document for further information.

The deadline for the Skemp Fund application for PME44 is 1 March 2020. Please find further information here: www.igpme.org/index.php/annual-conference/skemp-fund-support.

9. Travel information

9.1 Getting to Pretoria
Pretoria is about 45 km north of the OR Tambo International Airport (the international airport of Johannesburg).

We will provide details about airport shuttles to the hotels and to the Groenkloof campus – the conference venue. The Gautrain is a modern train connecting the airport with a number of stations in Pretoria (about 50 minutes on the train). Pretoria and Hatfield stations are close to the recommended hotels and the campus and during peak arrival times we will have conference people at the Gautrain stations to assist delegates to get to their hotels. The Gautrain also runs to Johannesburg.

Another option would be to rent a car at the airport and drive to Pretoria. In South Africa we drive on the left hand side of the road (as in the UK) and the road from OR Tambo Airport to Pretoria is an excellent five-lane highway. Travelling by car is very popular in South Africa and the main roads are good.

9.2 Getting to the conference venue
The conference will be held at the Groenkloof campus of the University of Pretoria which is about 15-20 minutes drive from most of the hotels. Some hotels will provide shuttles to the campus. Uber is very popular (and affordable) in South Africa and delegates can use Uber for other public transport.

9.3 Visa regulations
Citizens of some countries need a visa to enter South Africa and there are quite strict regulations about travelling with children, e.g. that a parent cannot bring a child into the country without the other parent’s written consent and an unabridged birth certificate. More information is available at the South African Department of Home Affairs http://www.dha.gov.za/index.php/types-of-visas.

Apply well in advance for a visa at the South African Embassy in your country.

9.4 Letter of invitation
Letters of invitation for delegates attending the conference will be made available on the conference website as soon as registration fees have been paid in full. 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 or other expenses and does not imply any financial support from the conference organisers.

9.5 Facilities at the conference venue
The university is modern and well equipped. Bathrooms and resting areas are easy accessible. Since the tap water in Pretoria is of such high quality, you can fill your water bottle in any tap you can find.

9.6 Currency
The South African Rand is the currency of South Africa. The currency code for the Rand is ZAR, and the currency symbol is R. The most frequently used exchanges are between ZAR and EUR and ZAR and US$. At present (April 2019), one Euro is about ZAR 16.00, but this rate fluctuates daily.

9.7 Power plugs
The standard electrical current used in South Africa is 220 volts AC. Electrical sockets (outlets) in South Africa are quite unique – no other country uses these and you will need an adapter that can be bought at the airport or any electrical store or supermarket.

9.8 Time zone
In July, South African time is two hours ahead of Greenwich Mean Time (GMT+2).

9.9 Telephone code
The South African country code 27 will allow you to call to South Africa from any other country. The code 27 is followed by an area code. The Pretoria area code is 012 (+27 12 xxxxxxx). There is no area code if you are calling a mobile phone (cell phone).

9.10 Weather
July is midwinter in Pretoria, with daily high temperatures around 20°C (68°F), and an average temperature of around 13°C (55°F). Chances of rain in July are extremely slim. You will have lots of sunshine in the daytime and cold nights. Buildings in South Africa are generally not that well insulated – so you will find it cold in the evenings. Most hotels have air conditioning, however, so no problems here. Sunrise will be at about 07:00h and sunset at about 17:30h.

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

9.12 Care for young children
The conference organisers are trying to arrange with some students to take care of babies and young children travelling with their parents. This needs to be arranged with the conference secretary and there will be a charge for this service.

9.13 Safety
The South African government is committed to nurturing and growing the tourist market and is aware of the challenges that stand in the way of healthy tourism growth. South African President, Cyril Ramaphosa, has committed to removing any unnecessary barriers that discourage travellers from coming to South Africa. To this end, the safety of all tourists is also of paramount importance to the South African tourism sector. Tourism creates much needed jobs and economic opportunities for many historically disadvantaged South Africans, often in areas where there are very few other opportunities.

The South African government is well aware that crime remains a challenge in our country, and is elevating the fight against crime and corruption as one of our top priorities, both to ensure the safety and security of our own citizens, as well as visitors to South Africa, who are so important to us. In fact,
most of South Africa’s popular tourist spots, including beaches, game reserves and shopping precincts are extremely safe by any standards. South Africa is working with tourism stakeholders and other government departments to make these places, and some of our urban precincts, even safer and more tourist friendly.

Thankfully, South Africa has been spared the terrorist attacks experienced in many countries in the world. South Africa takes great pride in its cultural and religious diversity.

Most visits to South Africa are trouble-free, but you should take sensible precautions to protect your safety. Tourists in South Africa are the targets mainly of petty crime. Much of staying safe means following the safety rules you obey back home and following your intuition. There are certain areas that one should avoid but most areas are as safe as in most big cities in the world.

Pretoria is a fairly safe city and the Groenkloof area of Pretoria, where the conference will be hosted, is a very safe area - we travel there every day.

10. Dining and food
There are many restaurants close to the hotels as well as to the university. During the conference lunch, coffee and tea breaks will be provided in the student centre on the campus (building 5 in the campus map on page 5). Provision can be made for halal, kosher, vegetarian food and special food (gluten-free, milk-free).

The conference welcoming function will be on campus on Sunday 7 July after the first plenary talk.

The conference dinner on Thursday night 11 July will be an Africa experience in the Ditsong cultural museum.

11. Conference excursions
Conference excursions have been arranged for the afternoon of Wednesday 10 July 2019. Please choose one of the following excursions. We can only take a limited number of people on each excursion – so it may happen that the excursion you prefer is already fully subscribed. The fees for the excursions are included in the registration fee but no meals or refreshments are included and you will have to pay for these yourself.

**Excursion 1: Cradle of Humankind & Maropeng (Max 90 people)**

The Cradle of Humankind – declared a World Heritage site in 1999 - is a 47 000-hectare area in the western part of Gauteng Province with around 40 different fossil sites where several of the world’s most famous and important fossils have been discovered. It is the world’s richest early hominin site, and is home to around 40% of the world’s known human ancestor fossils.
At the Sterkfontein Caves you will start at the exhibition area, then make your way up to the lime kilns, past the sundial and then underground into the depths of the caves. Beneath the dust of millions of years, you’ll see for yourself, the resting place of some of the most important fossils ever found, and you’ll hear the magnitude of their significance to our world. After proceeding over the walkways to view the excavation which was Mrs Ples’s final rest place, the trip continue past the fossil prep where scientists continue to investigate the clues to our past.

Excursion 2: Dinokeng Game Reserve (Max 50 people)

The Dinokeng Game Reserve is the first free-roaming Big 5 residential game reserve in Gauteng Province – and probably in the world – next to an urbanized area. It is a private/public initiative for which planning and development started in the early 2000’s. It was officially opened in 2011.

This is the only Game Reserve hosting the big five animals, available on a half-day tour from Gauteng Province. We can either do a 3-hour game drive on the Wilderness Route in our closed air-conditioned Ulysses vehicle, or join one of the private lodges on their open game drive vehicles on their private property for a 2½ hour game drive.

Excursion 3: Lesedi Cultural Village (Max 60 people)

Lesedi – The Place of Light - is a multi-cultural African village. Guests are invited to the Ndebele Village where an additional welcome by all the people of Lesedi, takes place. The cultural programme begins with a multi-visual presentation on the history and origins of today’s rainbow nation. This is followed by a guided tour of the four ethnic homesteads – Zulu, Basotho, Xhosa and Pedi. As the sun sets over the African bush, guests are escorted to the boma for traditional singing and dancing (you are voluntarily requested to participate in this) depicting stories that date back to the days of their ancestors. The guests are then treated to a Pan African Buffet in the Nyama Choma Restaurant with delicacies from North, East and Southern Africa.
**Excursion 4: Pretoria City Tour (Max 100 people)**

The administrative capital of South Africa, also known as “the Jacaranda City” offers an array of visitor attractions and facilities. We visit the Voortrekker Monument, the impressive Union Buildings, Church Square and drive through some suburbs while listening to the history of this cosmopolitan and Vibrant City.

**Excursion 5: Soweto (Unlimited - 20 people per group)**

*Because of time limitations, this excursion will not include the Apartheid Museum.*

Join us as we board our taxi (minivan) to Soweto on a tour where we will catch a glimpse of the City of Johannesburg while listening to the story of the City of Gold and that of Soweto, South Africa’s largest township, with over 3.5 million inhabitants.

Our first stop is at Soccer City - “The Calabash” stadium as it is known to the local football fans and host to the finale in the 2010 FIFA tournament. A drive by Soweto Towers where tourists can do a bungy jump from the top of the towers to the restaurant below

From here we continue through the suburbs towards Hector Peterson Museum and memorial site, we walk down Vilakazi Street, passing the homes of Nelson Mandela and Desmond Tutu soaking up the vibrant street sounds.

We drive past the present day house of Mrs Winnie Mandela, a stop at Kliptown Youth Centre where clients do a walk through the shanty town with a local guide - the square where our constitutions were unveiled in 1951.

**Excursion 6: Menlyn Park Shopping (unlimited)**

Menlyn Park Shopping Centre is owned by development company Pareto. It is designed around three spaces – the Food Court, the keyhole malls and focal points, and a large internal garden square surrounded by restaurants. The mall has a total lettable floor space of 177,000m², over 500 stores, 16 parking entrances, 12 parking exits and 8,250 parking bays. It is an award-winning superregional shopping centre that continues to strive to bring you even more of the best shopping,
dining, entertainment and leisure experiences, in a world-class mall that expresses a unique modern design and uses innovative green building to enable excellent, efficient operations.

Menlyn Park has an extensive security network comprising of cutting edge technology and experienced and well trained guards. Centre security is managed by an experienced team from Fidelity Security Services. A comprehensive CCTV system monitors all areas of the centre.

Menlyn provides on-site medical services as a first response through well-trained medical assistants. It is linked to several ambulance networks for further assistance, as well as other medical and emergency response services.

Excursion 7: Groenkloof hiking, biking or riding (15 horses, 15 bikes, unlimited hikes)

Groenkloof, as its name states, is green and contains many ridges and hills: A truly great mountain bike destination. It is a national park that caters for all users with facilities at a level way above other similar national parks. There are separate tracks for vehicles, walkers and mountain bikers. It has several species of wild animals, making the ride unique and really ‘knocking the socks off’ your mates who visit from overseas – come around a bend and bypass a giraffe or two!
Groenkloof is nestled between the Voortrekker Monument, Unisa and the Fountains Valley Resort. As such, it has very few residential buildings and you really feel like you have escaped the city to the heart of the bush. It is 25 minutes from the JHB northern suburbs, close to Centurion and easy to access.

Activities include hiking, mountain-biking and horse riding. Apart from the abundant game, the reserve also hosts a large variety of bird life.

12. Accommodation
A variety of accommodation possibilities are available.

University residence
At the cheaper end, we have arranged with a university residence on the Groenkloof campus to make rooms available. These rooms normally provide student accommodation and are quite basic with shared bathrooms and no airconditioning. The rate for this accommodation is R360 pp per night. Breakfast is available at R78 and dinner at R116. In order to book this accommodation you need to complete the prescribed form (available on the conference website) and submit to the conference secretary pme43@samf.ac.za by 3 June 2019.

Hotels and guest houses
Most of the hotels are not very close to the campus. Hotels may provide transport between the campus and hotels. In the spreadsheet below, all information about hotels are provided. In the accommodation matrix below, hotels and guest houses flagged in green will provide daily transport to the campus. For those in yellow, we are still trying to arrange transport and those flagged in red do not provide transport. In these cases you will need to take a taxi or UBER.

Provisional prices are provided and booking codes for some hotels. For some hotels, the use of booking codes is necessary for special rates and to ascertain how many delegates are staying at each hotel/guest house.
<table>
<thead>
<tr>
<th>Accommodation</th>
<th>Booking Code</th>
<th>Star Rating</th>
<th>Specification</th>
<th>Rate</th>
<th>Distance from campus</th>
<th>Contact details</th>
<th>Transport options</th>
<th>Rooms</th>
<th>Website</th>
<th>Lunch and dinner options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cricklewood Manor</td>
<td>**** 5star</td>
<td>With the grandeur of a bygone era, Cricklewood Manor is Pretoria’s premier boutique hotel. Our exquisite suites have been finished by hand to meet the expectations of discerning business and leisure travellers in need of elegant and comfortable accommodation. Antique furniture that is centuries old, coupled with modern amenities and the highest levels of discretion makes us the South African capital's finest.</td>
<td>R980.00 per person per night Superior Suite: Bed &amp; Breakfast</td>
<td>3kms</td>
<td>Tel: +27 (0)12 460 8225 C: +27 (0)71 336 9911 E-mail: <a href="mailto:info@cricklewood.co.za">info@cricklewood.co.za</a></td>
<td>Reception can assist to book Uber. For the conference a shuttle service will be made available at R78 per person</td>
<td>54</td>
<td><a href="http://cricklewoodhotel.com/index.html">http://cricklewoodhotel.com/index.html</a></td>
<td>Lunch and dinner can be arranged with prior notice. Transportation can be arranged to restaurants.</td>
<td></td>
</tr>
<tr>
<td>Stay Easy</td>
<td>** 2Star</td>
<td>The StayEasy Pretoria hotel is budget-friendly and well located in Gauteng’s capital city. Situated away from the city centre, the hotel offers comfortable and relaxing accommodation. A Tsogo Sun Hotel.</td>
<td>Rate R897.89 for single and double reservations</td>
<td>3kms</td>
<td>Tel: +27 (0)12 407 0600 Fax: +27 (0)12 407 0608 E-mail: <a href="mailto:sepretoria.reservations@tsogosun.com">sepretoria.reservations@tsogosun.com</a></td>
<td>No transport desk. Transport outsourced and will be charged. Hotel offers assistance to call on Uber.</td>
<td>136</td>
<td><a href="https://www.tsogosun.com/stayeasy-pretoria/contact-us">https://www.tsogosun.com/stayeasy-pretoria/contact-us</a></td>
<td>No Lunch available. R180.00 buffet dinner from 6pm to 9 pm</td>
<td></td>
</tr>
<tr>
<td>Manhattan</td>
<td>*** 3Star</td>
<td>Manhattan Hotel is the closest hotel to the Pretoria Gautrain station. The Pretoria Gautrain Station is a mere 250 meters from our doorstep. Even though it is walking distance, the Manhattan Hotel offers a FREE shuttle to and from the Gautrain station.</td>
<td>Rates between R990 for single and R1200 for double reservations</td>
<td>4.2kms</td>
<td>Tel: +27 (0)12 392 0000 Fax: +27 (0)12 392 0001 E-mail: <a href="mailto:marketing@manhattanhotel.co.za">marketing@manhattanhotel.co.za</a></td>
<td>Free 10 kms radius transport offered. Hotel has an airport shuttle, R280 per trip max 10 people. Shuttle frequents malls too</td>
<td>213</td>
<td><a href="http://www.manhattanhotel.co.za/">http://www.manhattanhotel.co.za/</a></td>
<td>Restaurant lunch and dinner buffet. Kitchen closes 9:30pm</td>
<td></td>
</tr>
<tr>
<td>Sierra Hotel - Burgers Park</td>
<td>*** 3Star</td>
<td>The Sierra Burgers Park Hotel overlooks the attractive, historic Burgers park and Melrose House. There are many historical places and attractions in and around Pretoria. As well, a number of them are within walking distance.</td>
<td>Rates between R1070 for single and R1295 for double reservations</td>
<td>4kms</td>
<td>Tel: +27 (0)12 322 7500 Fax: +27 (0)12 322 9429 E-mail: <a href="mailto:burgerspark@sierrahotels.co.za">burgerspark@sierrahotels.co.za</a></td>
<td>Transport desk available, 5km radius for free. Airport shuttle at R295.00</td>
<td>237</td>
<td><a href="https://www.sierrahotels.co.za/sierra-burgers-park/">https://www.sierrahotels.co.za/sierra-burgers-park/</a></td>
<td>Buffet dinner at R220.00 A la carte menu available, kitchen closes at 10.30</td>
<td></td>
</tr>
<tr>
<td>Fortis Hotel Capital</td>
<td>UOPCSA</td>
<td>Easy access to golf courses, shopping centres, theatres and restaurants. Enjoy a lush lands caped garden and glistening swimming pool, in a central location to Pretoria’s CBD.</td>
<td>Rates between R1070 for single and R1230 for double reservations</td>
<td>4.7kms</td>
<td>Tel: +27 (0)12 322 7795 E-mail: <a href="mailto:reservations@fortishotels.com">reservations@fortishotels.com</a></td>
<td>10kms free shuttle. Outourced airport service at R550.00</td>
<td>104</td>
<td><a href="https://www.fortishotels.com/fortis-hotel-capital/">https://www.fortishotels.com/fortis-hotel-capital/</a></td>
<td>Hotel Restaurant available, R190.00 dinner buffet. Roomservice available. Bar open in foyer. Assistance offered to order take-outs</td>
<td></td>
</tr>
<tr>
<td>Hotel 224</td>
<td>Maths Foundation</td>
<td>*** 3Star</td>
<td>Three-star accommodation in the heart of the Capital City. Access to complimentary wireless internet in all rooms and leisure areas</td>
<td>Rates between R920 single and R1200 double</td>
<td>7 km</td>
<td>Tel: +27 (0)12 440 5281 Fax: +27 (0)86 676 2824 E-mail: <a href="mailto:book@hotel224.com">book@hotel224.com</a></td>
<td>Offers shuttle services, tours and airport transfers. Transport within the direct CBD is free of charge and other destinations will be charged a minimal fee.</td>
<td>266</td>
<td><a href="http://www.hotel224.com">www.hotel224.com</a></td>
<td></td>
</tr>
<tr>
<td>Protea Hotel Hatfield</td>
<td>304953</td>
<td>*** 3Star</td>
<td>This upmarket hotel is nestled between many restaurants and a shopping centre that offers numerous amenities to visit, incl. Malls and Parks. MarriottGroup Hotel.</td>
<td>Rates between R1220 single and R1420 double</td>
<td>5 km</td>
<td>Tel: +27 (0)12 364 0300</td>
<td>Airport shuttle available, free shuttle up to 5km's in vicinity.</td>
<td>204</td>
<td><a href="https://www.marriott.com/hotels/travel/pryha-protea-hotel-pretown-pretoria-hatfield/">https://www.marriott.com/hotels/travel/pryha-protea-hotel-pretown-pretoria-hatfield/</a></td>
<td></td>
</tr>
<tr>
<td>Arcadia Hotel</td>
<td>PME Conference</td>
<td>*** 3Star</td>
<td>Located at the foot of the well known landmark of Pretoria, the Union Buildings, the Arcadia Hotel is an integral part of the Arcadia Shopping Centre</td>
<td>Rates between R1140 single and R1320 double</td>
<td>5 km</td>
<td>Tel: +27 (0)12 326 9311 E-mail: <a href="mailto:archot@arcadiahotel.co.za">archot@arcadiahotel.co.za</a></td>
<td>Courtesy transport within city by prior arrangement. Car rental, Airline confirmations &amp; Airport transfers can be arranged</td>
<td>139</td>
<td><a href="http://www.arcadiahotel.co.za">www.arcadiahotel.co.za</a></td>
<td></td>
</tr>
<tr>
<td>Courtyard Hotel Arcadia</td>
<td>SA Mathematics Foundation</td>
<td>**** 4Star</td>
<td>'Embassy Row', where you'll find our Courtyard Hotel Arcadia, is the perfect urban environment – it's all beautiful old buildings, grand trees, spaciousness, and leafy gardens. The hotel is built around a lovingly restored, early-twentieth-century manor house</td>
<td>Rates between R1953 single and R2128 double</td>
<td>7 km</td>
<td>Tel: +27 (0)12 342 4940 E-mail: <a href="mailto:cyarc.resv@clhg.com">cyarc.resv@clhg.com</a></td>
<td>Transport desk available. Airport transfer available. Shuttle for very short trips in vicinity available at not cost.</td>
<td>69</td>
<td><a href="https://clhg.com/hotels/603/Courtyard-Hotel-Arcadia-Pretoria">https://clhg.com/hotels/603/Courtyard-Hotel-Arcadia-Pretoria</a></td>
<td></td>
</tr>
</tbody>
</table>

For these we are trying to arrange transport.
<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Star Rating</th>
<th>Type Description</th>
<th>Distance</th>
<th>Phone</th>
<th>Email</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>137 Murray Guest House</td>
<td>Johannesburg</td>
<td>*** 3 Star</td>
<td>Our distinguished guesthouse portrays an aura of old-world charm with its warm wooden floors, cozy fireplaces, high pressed ceilings and antique fittings. Rates from R669 single or R800 double</td>
<td>6 km</td>
<td>Tel: +27 (0)12 346 5940</td>
<td>E-mail: <a href="mailto:book@murray137.co.za">book@murray137.co.za</a></td>
<td>Shuttle service and tours are available. Airport transfers available 24/7. Transport within the direct CBD is free of charge.</td>
</tr>
<tr>
<td>Park Gables Guest House</td>
<td>Pretoria</td>
<td>*** 3 Star</td>
<td>In Arcadia, an attractive mix of convenience, privacy, unobtrusive hospitality and outstanding service. Rates from R650 single or R790 double</td>
<td>5 km</td>
<td>Tel: +27 (0)12 344 0390</td>
<td>E-mail: <a href="mailto:reservations@parkgables.co.za">reservations@parkgables.co.za</a></td>
<td>Nothing available. Shuttle service and tours are available. Airport transfers available 24/7. Transport within the direct CBD is free of charge.</td>
</tr>
<tr>
<td>Hatfield Guest House</td>
<td>Pretoria</td>
<td>*** 3 Star</td>
<td>Nestled amongst the renowned Jakaranda trees on Arcadia Street, Hatfield, is where you will find Hatfield guest house. Rates from R550 single or R800 double</td>
<td>6 km</td>
<td>Tel: +27 (0)82 440 4325</td>
<td>E-mail: <a href="mailto:reservations@hatfieldguest.co.za">reservations@hatfieldguest.co.za</a></td>
<td>The Hatfield Guest House is 5 blocks from the Hatfield Gautrain station. No transport available, but can be arranged via outsourced services upon request.</td>
</tr>
<tr>
<td>Goodey's Guest House</td>
<td>Pretoria</td>
<td>**** 4 Star</td>
<td>Small property, hosts are owners, and hospitality excellent. Rates from R500 single or R800 double</td>
<td>9 km</td>
<td>Tel: +27 (0)12 002 3983</td>
<td>E-mail: <a href="mailto:sleep@goodeysguesthouse.co.za">sleep@goodeysguesthouse.co.za</a></td>
<td>Shuttle services and transport available at extra cost via outsourced services.</td>
</tr>
</tbody>
</table>