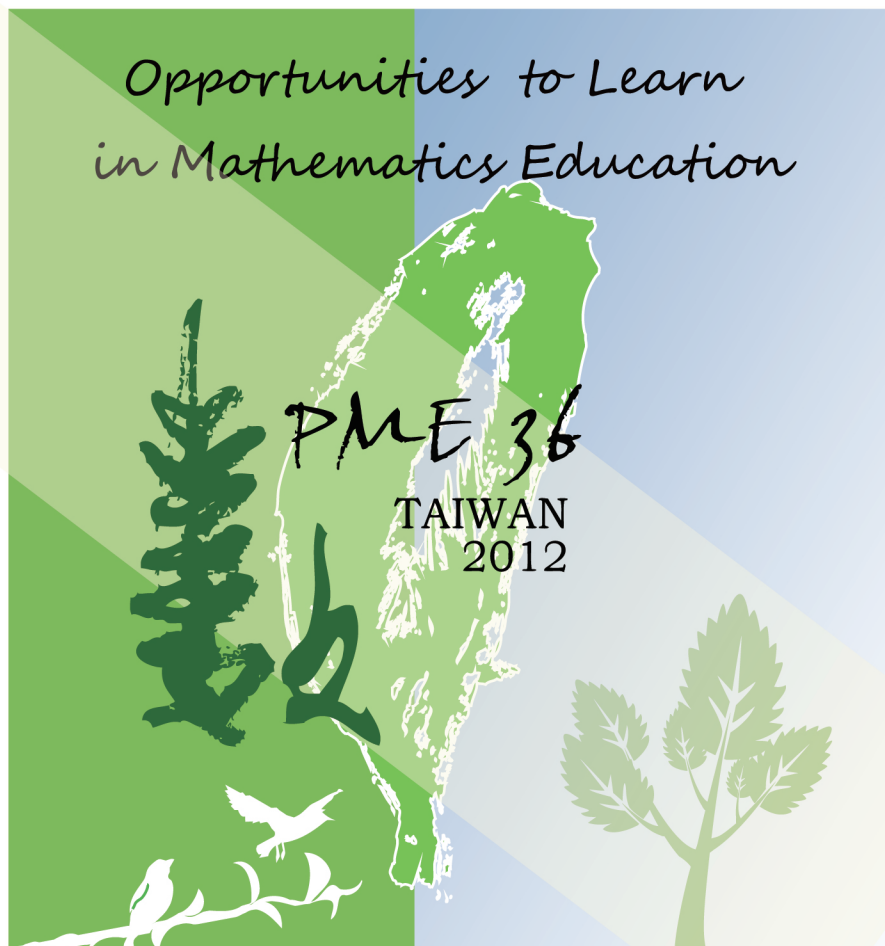


# 36<sup>th</sup> Conference of International Group for the Psychology of Mathematics Education



## Conference Program Booklet

July 18 ~ 22 , 2012 Taipei , Taiwan

Department of Mathematics, National Taiwan Normal University  
Taiwan Association for Mathematics Education

## **SPONSORS**

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# PME36 CONFERENCE IN TAIPEI

## Welcome

It is a great pleasure to welcome you to the 36th Annual Conference of the International Group for the Psychology of Mathematics Education, which is held in Taipei, at the National C.K.S. Memorial Hall (on July 18) and at Wesley Girl's High School (from July 19-22). This booklet provides information about your participation in the scientific and social activities of the conference.

## Venue

The conference venues will be the **Zhong Zheng Auditorium (in the National C.K.S. Memorial Hall) on July 18.**

**For 19-22 July**, the conference venues will be **Building C, Building G, and Building A (in Wesley Girl's High School).**

## Conference Venue Map

- National C.K.S. Memorial Hall—PME36 Official Hotels (See Map 1)
- Wesley Girl's High School —PME36 Official Hotels (See Map 2)
- National C.K.S. Memorial Hall (See Map 3)
- The campus at Wesley Girl's High School (See Map 4)
- MRT Route Map: PME36 Official Hotels—National C.K.S. Memorial Hall (See Map 5)
- MRT Route Map: PME36 Official Hotels—Wesley Girl's High School (See Map 6)

### -The Venue of Opening and Plenary 1 (July 18):

Zhong Zheng Auditorium in the National C.K.S. Memorial Hall (See Map 3)

### -The Venue of Plenary 2-4 & Plenary Panel & AGM (July 19-22):

Auditorium in the campus of Wesley Girl's High School (See Map 4)

### -The Venue of RR & SO & PP & DG & WS & RF & NP (July 19-22)

Building-G; Building-A; Building-C (See Map 4)

## Conference Secretariat

The Conference Secretariat, operated by Feng-Lin Lu, will be located at the foyer of the National C.K.S. Memorial Hall & Wesley Girl's High School. The opening hours will be operated as the following:

Wed, 18 <sup>th</sup>	14:00 - 16:00
Thu, 19 <sup>th</sup>	08:00 - 17:00
Fri, 20 <sup>th</sup>	08:00 - 17:00
Sat, 21 <sup>st</sup>	08:00 - 17:00
Sun, 22 <sup>nd</sup>	08:00 - 13:30

For any inquiries you may contact the Conferences Administrative Manager, Jia-Ming Ying and Feng-Lin Lu and by phone at number: 0926419795 & 0916746237 or by e-mail: [scpme36@gmail.com](mailto:scpme36@gmail.com) & [pme36affairs@gmail.com](mailto:pme36affairs@gmail.com).

### **PME Administrative Manager**

Prof. Dr. Bettina Roesken, Administrative Manager of the International Group for the Psychology of Mathematics Education, will be available during the conference. Her office will be located at the Room G202 in the Building G in Wesley Girl's High School.

### **Helpers**

Helpers wearing blue-shirts with the conference logo and an Orange conference badge will assist you if you need help during the conference.

### **Information Boards**

A bulletin board will be located in the foyer at the Building G in Wesley Girl's High School for the announcements of IC, IPC, LOC and the Conference Secretariat. Changes in the program will be presented on the bulletin board early in the morning and in the afternoon.

### **Tea Time**

Coffee Breaks will be served at the following locations: (See Map 4):

- **July 19 (Thu), 2012**  
Morning: The 1<sup>st</sup>-floor foyer at the Building B  
Afternoon: G305 & G404, the 1<sup>st</sup>-floor foyer in the Building A
- **July 20 (Fri), 2012**  
Morning: The 1<sup>st</sup>-floor foyer at the Building B  
Afternoon: G305 & G404, the 1<sup>st</sup>-floor foyer in the Building A
- **July 21 (Sat), 2012**  
Morning: The 1<sup>st</sup>-floor foyer at the Building B
- **July 22 (Sun), 2012**  
Morning: The 1<sup>st</sup>-floor foyer at the Building B

### **Lunch**

Lunch will be served at the Restaurant in Wesley Girl's High School. A variety of national dishes, vegetarian food, and Halal food will be included. Lunch coupons are required for all delegates and guests. Additional lunch coupons could be purchased at a fixed price (TWD150 per meal) at information center in the venue. For evening meals, PME36 offers a great variety of restaurants. Information with a guide will be provided by the organizers in the conference bag.

## Conference Badges

All delegates will receive their conference printed materials, relevant information and badges upon registration at the conference secretariat. Delegates and guests are requested to retain their badges at all times in order to be able to enter the conference venues and the area of social events. All the badges are figured with different colors and images (The images of the badges are famous scenic sites in Taiwan):

**Delegates:** **Green** (with the image of National Palace Museum)

**IPC Members:** **Purple** (with the image of Taipei-101)

**IC Members:** **Dark Green** (with the image of Taipei Confucius Temple)

**IPC & IC Members:** **Blue** (with the image of National C.K.S. Memorial Hall)

**Accompanying:** **Brown** (with the image of Yangmingshan National Park)

**Helpers:** **Orange** (with the image of Tamshi Fisherman's Wharf)

**Secretariat:** **Pink** (with the image of Yehliu Geopark)

## Wireless Internet Access

The wireless internet connection and a workstation are provided to the participants free of charge inside the conference venues. Access information will be provided on site.

- **In National C.K.S. Memorial Hall** (The User Account & Pin will be provided to participants on site)
- **In Wesley Girl's High School** (No User Account & Pin are required.)
- A workstation is located at the Room G502 in the Building G in Wesley Girl's High School

## Map of the National C.K.S. Memorial Hall & Wesley Girl's High School

You will find a map of the National C.K.S. Memorial Hall & Wesley Girl's High School in the conference bag.

## GENERAL INFORMATION


### No Smoking

Smoking is prohibited in all public buildings.

### Drinking Water

It is not recommended to drink tap water. There are fountain in the conference venue. Bottled water will also be provided during the conference.

### Bank / Currency

ATMs are available in the all MRT stations and convenience stores in Taipei. You can use the ATMs of local banks with  logo to withdraw local currencies. The following are ATMs of Bank of Taiwan offering overseas withdrawal services.

Branch of Bank of Taiwan	Address	TEL	EXT	Service Hours
<b>Department of Business</b>	No.120, Sec. 1, Chongqing S. Rd., Zhongzheng Dist., Taipei City 100, Taiwan (R.O.C.)	866-2-23493456	54	09:00~15:30
<b>Guancian Branch</b>	No.49, Guanqian Rd., Zhongzheng Dist., Taipei City 100, Taiwan (R.O.C.)	866-2-23812949	56	00:00~24:00
<b>Sungshan</b>	No.560, Sec. 4, Zhongxiao E. Rd., Xinyi Dist., Taipei City 110, Taiwan (R.O.C.)	866-2-27293111	61	00:00~24:00

The Taiwanese Dollar (TWD) is the currency of Taiwan.

## Public Transportation

EASYCARD is the most popular and common IC traffic pass for residents in Taipei. It is not only used for taking transportation but used for transaction anywhere. When you make transaction by EASYCARD, your payment will be deducted from EASYCARD. Participants can use their EASYCARD to support their expenses for shuttling by transportation like MRT, bus, train etc. If you want to buy an EASYCARD, or to recharge money in your EASYCARD, you can go to any MRT station and convenience stores such as: 7-ELEVEN, Family Mart, Hi-Life and OK for top up EASYCARD.

Please click the following link to know more details about using EASYCARD:

- How to use EASYCARD: <http://www.tscc.com.tw/english/easycard/way.asp>
- How to top up EASYCARD: <http://www.tscc.com.tw/english/easycard/value.asp>
- Where to use EASYCARD: <http://www.tscc.com.tw/english/use/index.asp>
- More service about EASYCARD: <http://www.tscc.com.tw/english/service/center.asp>
- What is EASYCARD: <http://www.tscc.com.tw/english/easycard/index.asp>
- Where to buy EASYCARD: <http://www.tscc.com.tw/english/easycard/buy.asp>

**Taxi:**

They are recognizable by their yellow color and word "TAXI". Taxi service is available by dialing the phone number: 55688 (The telephone operator of the taxi company does not provide English service. Please ask conference staffs for help if you need taxi service).

**Bus:**

Wesley Girls High School is close to **Shilin** and **Dazhi** MRT station. Participants can take MRT and get off at either **Shilin** or **Dazhi** station, and transfer to Wesley Girl's High School by bus.

- If you get off at the **Shilin MRT Station**, please take bus No. 255 or Mini-bus No. 18 or 19.
- If you get off at the **Dazhi MRT Station**, please take bus Brown 13

OR

- From **Shilin MRT Station**, you can take bus No. 18, 19, 645, and 255. And then, get off at the National Palace Museum. You can take 5 minute walk from the museum to Wesley Girl's High School
- From **Dazhi MRT Station**, you can take bus No. 620, and 645. And then, get off at the National Palace Museum. You can take 5 minute walk from the museum to Wesley Girl's High School

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



## THE SCHEDULE of PME 36 SHUTTLES

18 July 2012

OFFICIAL HOTEL → National C.K.S. MEMORIAL HALL		
Time	Departure	Arrival
13:20	Wesley Girl's High School & Grandee Taipei Hotel & The Grand Hotel	National C.K.S. Memorial Hall
14:20	Taipei Fullerton Hotel & Hotel Royal Taipei	National C.K.S. Memorial Hall
14:30	Taipei Ambassador Hotel & Santos Hotel & Hotel B	National C.K.S. Memorial Hall
15:20	Howard International House Taipei	National C.K.S. Memorial Hall
C.K.S. MEMORIAL HALL → OFFICIAL HOTEL		
21:00	National C.K.S. Memorial Hall	Wesley Girl's High School & Grandee Taipei Hotel & The Grand Hotel
21:15	National C.K.S. Memorial Hall	Hotel Royal Taipei & Taipei Ambassador Hotel & Taipei Fullerton Hotel & Hotel B & Santos Hotel
21:30	National C.K.S. Memorial Hall	Howard International House Taipei

19 July 2012

OFFICIAL HOTEL → WESLEY GIRL'S HIGH SCHOOL		
Time	Departure	Arrival
07:35	Taipei Fullerton Hotel	Wesley Girl's High School
07:40	Santos Hotel & Hotel Royal Taipei	Wesley Girl's High School
07:45	Hotel B	Wesley Girl's High School
07:45	Howard International House Taipei	Wesley Girl's High School
07:50	Taipei Ambassador Hotel	Wesley Girl's High School
08:00	The Grand Hotel	Wesley Girl's High School
08:10	Grandee Taipei Hotel	Wesley Girl's High School
WESLEY GIRL'S HIGH SCHOOL → OFFICIAL HOTEL		
Time	Departure	Arrival
18:20	Wesley Girl's High School	Taipei Fullerton Hotel & Hotel B & Howard International House Taipei
18:25	Wesley Girl's High School	Hotel Royal Taipei & Taipei Ambassador Hotel & Santos Hotel
18:30	Wesley Girl's High School	Grandee Taipei Hotel & The Grand Hotel

20 July 2012

<b>OFFICIAL HOTEL → WESLEY GIRL'S HIGH SCHOOL</b>		
<b>Time</b>	<b>Departure</b>	<b>Arrival</b>
<b>07:35</b>	Taipei Fullerton Hotel	Wesley Girl's High School
<b>07:40</b>	Santos Hotel & Hotel Royal Taipei	Wesley Girl's High School
<b>07:45</b>	Hotel B	Wesley Girl's High School
<b>07:45</b>	Howard International House Taipei	Wesley Girl's High School
<b>07:50</b>	Taipei Ambassador Hotel	Wesley Girl's High School
<b>08:00</b>	The Grand Hotel	Wesley Girl's High School
<b>08:10</b>	Grandee Taipei Hotel	Wesley Girl's High School
<b>WESLEY GIRL'S HIGH SCHOOL → OFFICIAL HOTEL</b>		
<b>Time</b>	<b>Departure</b>	<b>Arrival</b>
<b>18:40</b>	Wesley Girl's High School	Taipei Fullerton Hotel & Hotel B & Howard International House Taipei
<b>18:45</b>	Wesley Girl's High School	Hotel Royal Taipei & Taipei Ambassador Hotel & Santos Hotel
<b>18:50</b>	Wesley Girl's High School	Grandee Taipei Hotel & The Grand Hotel

21 July 2012

OFFICIAL HOTEL → WESLEY GIRL'S HIGH SCHOOL		
Time	Departure	Arrival
07:35	Taipei Fullerton Hotel	Wesley Girl's High School
07:40	Santos Hotel & Hotel Royal Taipei	Wesley Girl's High School
07:45	Hotel B	Wesley Girl's High School
07:45	Howard International House Taipei	Wesley Girl's High School
07:50	Taipei Ambassador Hotel	Wesley Girl's High School
08:00	The Grand Hotel	Wesley Girl's High School
08:10	Grandee Taipei Hotel	Wesley Girl's High School
WESLEY GIRL'S HIGH SCHOOL → OFFICIAL HOTEL		
Time	Departure	Arrival
16:10	Wesley Girl's High School	Taipei Fullerton Hotel & Hotel B & Howard International House Taipei & Grandee Taipei Hotel
16:20	Wesley Girl's High School	Hotel Royal Taipei & Taipei Ambassador Hotel & Santos Hotel & The Grand Hotel

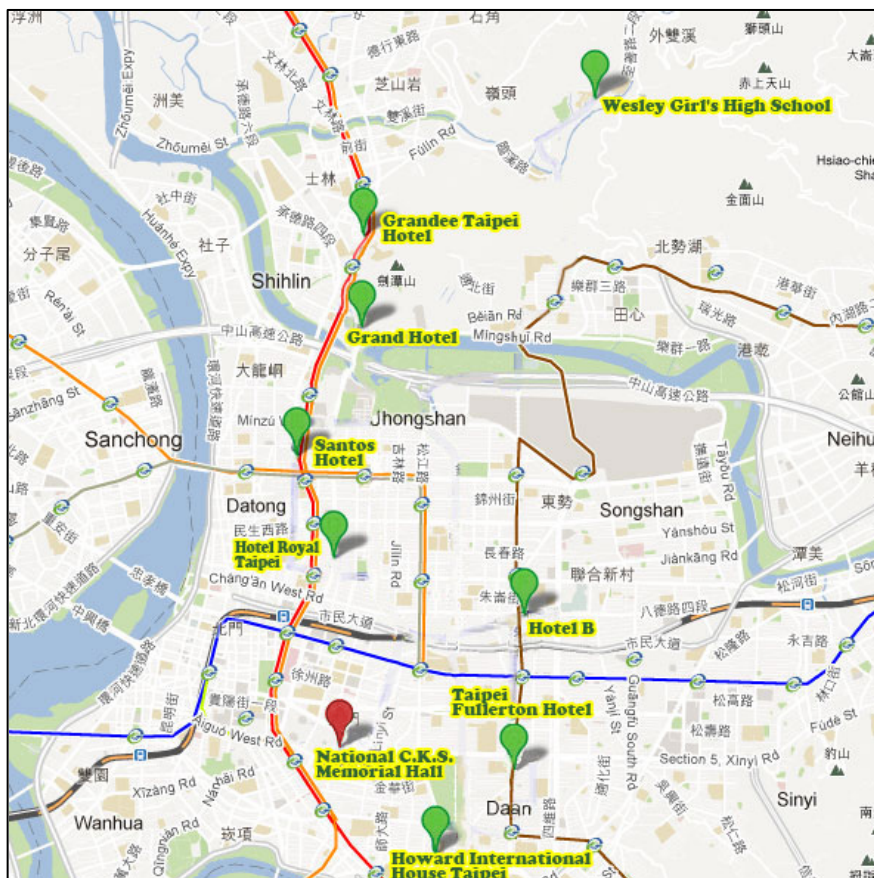
# CONFERENCE DINNER—21 July 2012

OFFICIAL HOTEL → COSMOS HOTEL		
Time	Departure	Arrival
17:20	Grandee Taipei Hotel & Wesley Girl's High School	COSMOS HOTEL
17:35	Taipei Ambassador Hotel	COSMOS HOTEL
17:40	The Grand Hotel & Hotel B	COSMOS HOTEL
17:45	Hotel Royal Taipei & Santos Hotel	COSMOS HOTEL
17:50	Taipei Fullerton Hotel	COSMOS HOTEL
18:00	Howard International House Taipei	COSMOS HOTEL
COSMOS HOTEL → OFFICIAL HOTEL		
Time	Departure	Arrival
21:20	COSMOS HOTEL	Grandee Taipei Hotel & The Grand Hotel & Wesley Girl's High School
21:30	COSMOS HOTEL	Hotel Royal Taipei & Taipei Ambassador Hotel & Santos Hotel & Taipei Fullerton Hotel & Hotel B
21:35	COSMOS HOTEL	Howard International House Taipei

22 July 2012

<b>OFFICIAL HOTEL → WESLEY GIRL'S HIGH SCHOOL</b>		
<b>Time</b>	<b>Departure</b>	<b>Arrival</b>
<b>07:35</b>	Taipei Fullerton Hotel	Wesley Girl's High School
<b>07:40</b>	Santos Hotel & Hotel Royal Taipei	Wesley Girl's High School
<b>07:45</b>	Hotel B	Wesley Girl's High School
<b>07:45</b>	Howard International House Taipei	Wesley Girl's High School
<b>07:50</b>	Taipei Ambassador Hotel	Wesley Girl's High School
<b>08:00</b>	The Grand Hotel	Wesley Girl's High School
<b>08:10</b>	Grandee Taipei Hotel	Wesley Girl's High School
<b>WESLEY GIRL'S HIGH SCHOOL → OFFICIAL HOTEL</b>		
<b>Time</b>	<b>Departure</b>	<b>Arrival</b>
<b>13:20</b>	Wesley Girl's High School	Taipei Fullerton Hotel & Hotel B & Howard International House Taipei
<b>13:30</b>	Wesley Girl's High School	Hotel Royal Taipei & Taipei Ambassador Hotel & Santos Hotel
<b>13:40</b>	Wesley Girl's High School	Grandee Taipei Hotel & The Grand Hotel

**MAP 1: Hotel-National C.K.S. Memorial Hall**

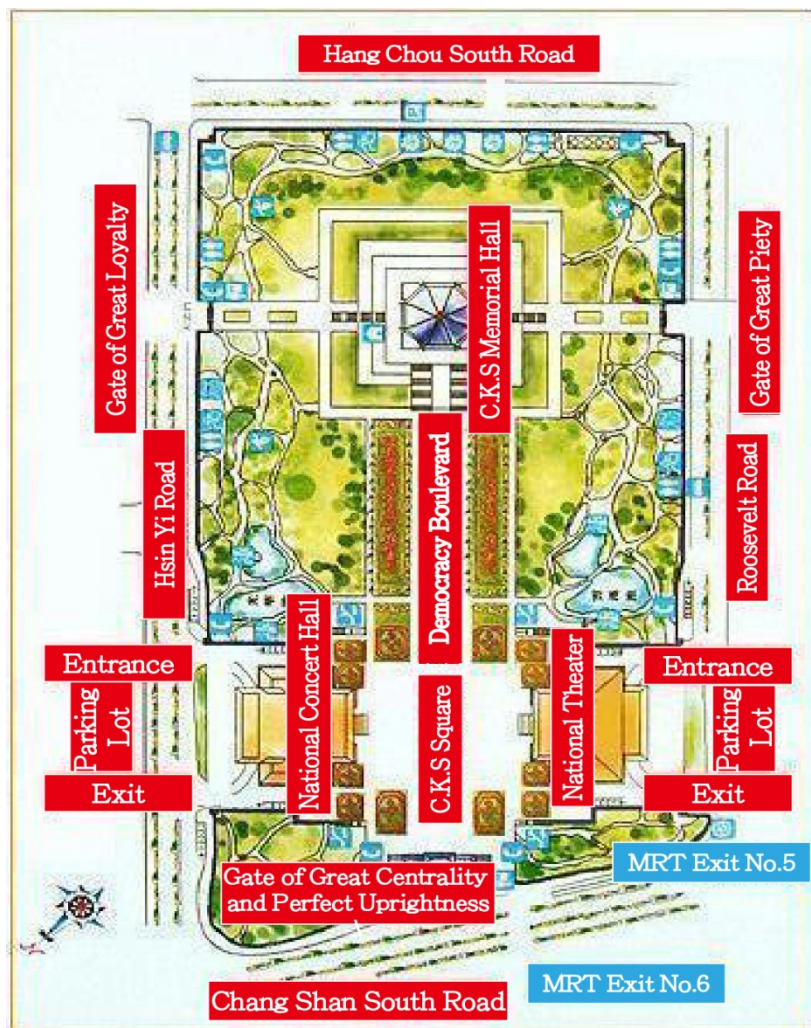


**MAP 2: Hotel-Wesley Girl's High School**

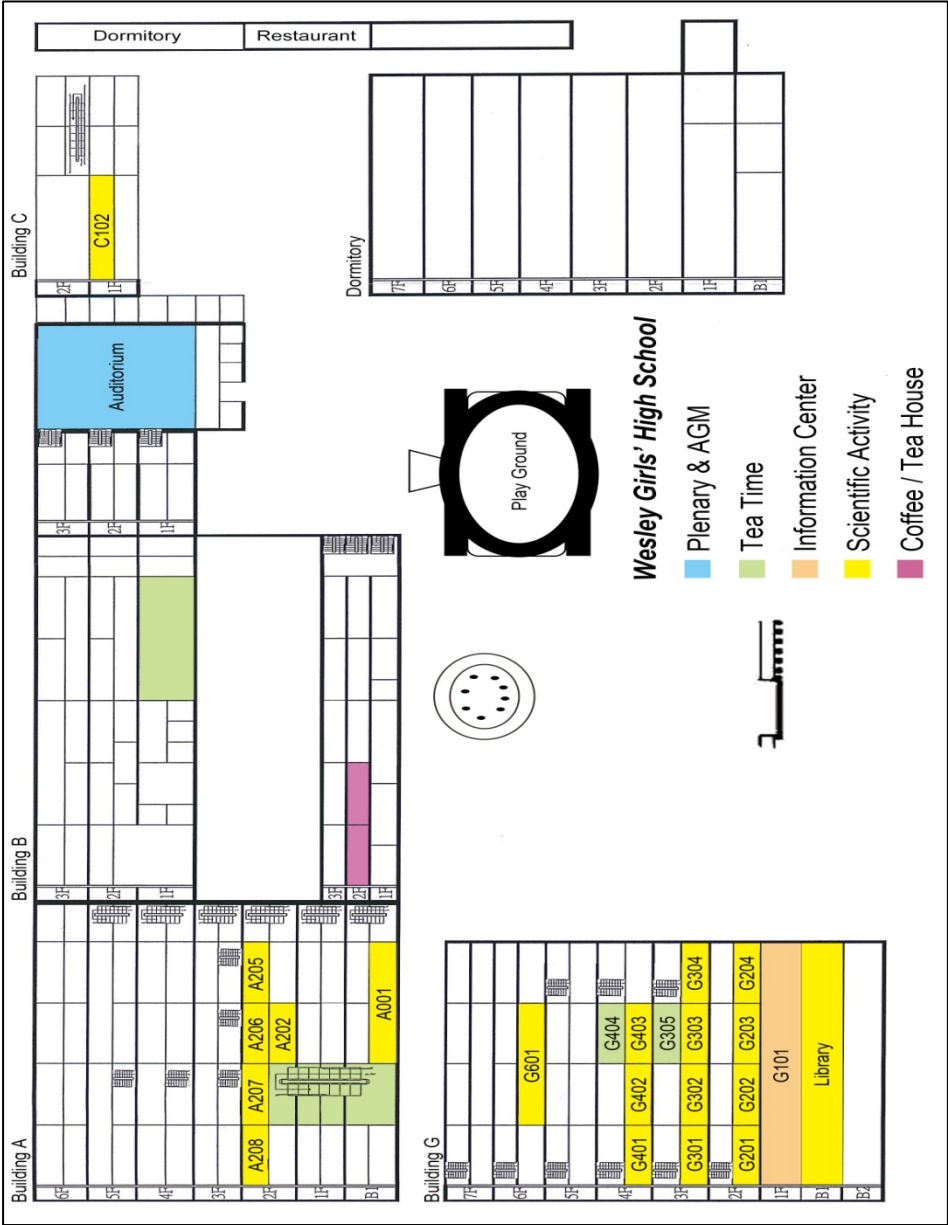




**MAP 3: Map of National C.K.S. Memorial Hall**



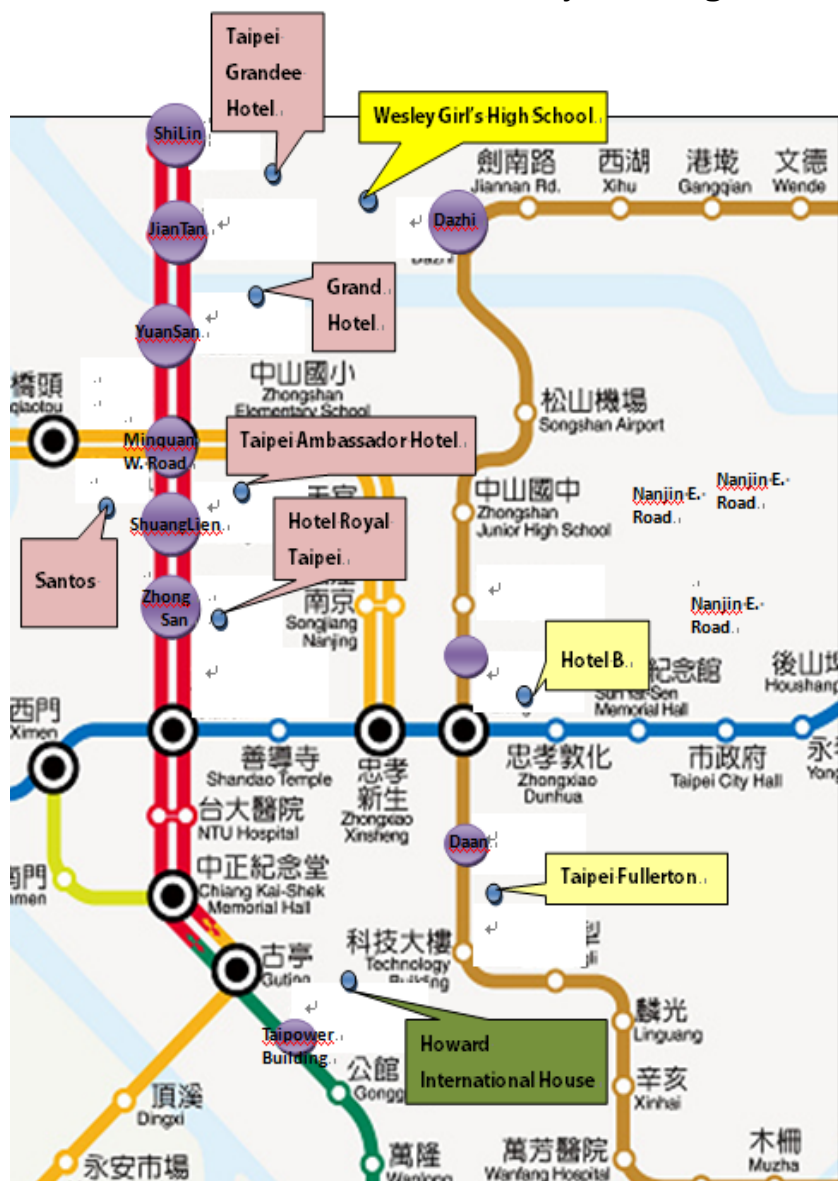
MAP 4 : The campus at Wesley Girl's High School



MAP 5 : PME36 Official Hotels—National C.K.S. Memorial Hall



MAP 6 :PME36 Official Hotels—Wesley Girl's High School



## THE SCIENTIFIC PROGRAM OF PME36

The theme of the 36<sup>th</sup> Conference of PME is  
**“Opportunities to Learn in Mathematics”**

The scientific program includes the following activities:

### *Plenary sessions*

- **Two 60-minute Plenary addresses**
- **Two 90-minute Plenary addresses**
- **One 90-minute Plenary Panel**

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

### *Personal presentations*

- **1 Research Forums (RF)**, two 90 minutes sessions
- **117 Research Reports (RR)**, 15 sessions of 40 minutes each  
(20 minutes for the oral presentation and 20 minutes of discussion)
- **97 Short Oral Communications (SO)**, 11 sessions of 45 minutes each  
(in groups of three, 10 minutes for each oral presentation and 10 minutes for discussion)
- **74 Poster Presentations (PP)**, two 90 minutes sessions

### *Group activities*

- **4 Discussion Groups (DG)**, two 90 minutes sessions (in parallel with the RFs)

- **4 Working Sessions (WS)**, *two 90 minutes sessions* (in parallel with the PPs)
- **National Presentation (NP)**, *one 90 minutes session* (in parallel with the WSs)

*The program also includes*

- Opening Ceremony
- New Comers' meeting
- Policy Meeting
- Annual General Meeting
- Closing Session

## **Language**

The official language of the conference is English. Colleagues, including the presenters, are welcome to contribute to discussions, following a Research Report or a Short Oral Communication in their native language provided that translation is possible by someone present in the session.

## **Equipment**

Every room is equipped with a PC and an overhead projector. Other equipment will be provided on the basis of previously submitted requests. Some spare adaptors will be available from the Information Desk. For any inquiries regarding technical issues, you may contact a helper.

**The 36<sup>th</sup> Conference of the International Group for  
the Psychology of Mathematics Education**

<b>THE SCIENTIFIC PROGRAM OF PME36</b>		
<b>WED, JULY 18, 2012</b>		
<b>14:00-16:10</b> National C.K.S. Memorial	<b>REGISTRATION</b>	
<b>16:10-17:10</b> National C.K.S. Memorial	<b>OPENING</b>	
<b>17:10-18:10</b>	<b>Plenary Address 1</b>	<b>Vol.-Page</b>
National C.K.S. Memorial	Chair: Lih, Ko-Wei <i>Horng, Wann-Sheng</i> <b>NARRATIVE, DISCOURSE AND MATHEMATICS EDUCATION: AN HISTORIAN'S PERSPECTIVE</b>	<b>1-5</b>
<b>18:10-18:20</b>	<b>BREAK</b>	
<b>18:30-19:30</b>	<b>CULTURAL EVENT</b>	
<b>19:30-21:30</b>	<b>RECEPTION</b>	

THU, JULY 19, 2012		
09:00-10:00 Plenary Address 2		Vol.-Page
Auditorium	Chair: Pinto, Marcia <i>Mariotti, Maria Alessandra</i> <b>ICTS AS OPPORTUNITIES FOR TEACHING-LEARNING IN A MATHEMATICS CLASSROOM: THE SEMIOTIC POTENTIAL OF ARTEFACTS.</b>	1-25
10:00-10:30 TEA TIME		
Research Report / Meet with Plenary		
10:30-11:10 Research Report 1		Vol.-Page
Building A-2F A202	Chair: Tzekaki, Marianna <i>Pang, Jeongsuk</i> <b>WHAT HAS NOT CHANGED IN TRANSFORMING TO EFFECTIVE MATHEMATICS INSTRUCTION?</b>	3-289
RR1-01		
Building A-2F A205	Chair: Lin, Fou-Lai <i>Chen, Chang-Hua; Chang, Ching-Yuan</i> <b>AN EXPLORATION OF MATHEMATICS TEACHERS' DISCOURSE IN A TEACHER PROFESSIONAL LEARNING</b>	2-123
RR1-02		
Building A-2F A206	Chair: Alatorre, Silvia <i>Ho, Siew Yin; Lai, Mun Yee</i> <b>PRE-SERVICE TEACHERS' SPECIALIZED CONTENT KNOWLEDGE ON MULTIPLICATION OF FRACTIONS</b>	2-291
RR1-03		
Building A-2F A207	Chair: Planas, Núria <i>Logan, Tracy; Lowrie, Tom</i> <b>GENDER FACTORS IN PRIMARY-AGED SINGAPOREAN STUDENTS' PERFORMANCE ON MATHEMATICS TASKS</b>	3-177
RR1-04		



Building A-2F A208	Chair: Chua, Boon Liang <i>Rivera, F. D.; Leung, Chi Keung Eddie</i> <b>FIRST GRADE STUDENTS' EARLY PATTERNING COMPETENCE: CROSS-COUNTRY COMPARISONS BETWEEN HONGKONG AND THE UNITED STATES</b>	<b>4-19</b>
RR1-05		
Building G-2F G202	Chair: Chang, Yu Liang <i>Porras, Päivi</i> <b>ENTHUSIASM TOWARDS MATHEMATICAL STUDIES IN ENGINEERING</b>	<b>3-313</b>
RR1-06		
Building G-2F G203	<b>MEET THE PLENARY SPEAKER: MARIOTTI, MARIA ALESSANDRA</b>	
Building G-2F G204	Chair: Søndergaard, Bettina Dahl <i>Souto-Rubio, Blanca; Gómez-Chacón, Inés M<sup>a</sup></i> <b>"WAYS OF LOOKING" AT QUOTIENT SPACES IN LINEAR ALGEBRA. HOW TO GO BEYOND THE MODERN DEFINITION?</b>	<b>4-115</b>
RR1-08		
Building G-3F G301	Chair: Nortvedt, Guri A. <i>Thompson, Angela</i> <b>USING LARGE-SCALE ASSESSMENT DATA TO GLEAN TEACHER CHARACTERISTICS THAT PREDICT MATHEMATICS ACHIEVEMENT IN LATINOS/ESL</b>	<b>4-139</b>
RR1-09		
Building G-3F G302	Chair: Edwards, Laurie <i>Lee, Ji Yoon; Cho, Han Hyuk; Lee, Hyo Myung</i> <b>THE MEDIATION OF EMBODIED SYMBOL ON LEARNING COMBINATORICS</b>	<b>3-67</b>
RR1-10		

Building G-3F G303	Chair: Leung, Allen Yuk Lun <i>Plath, Meike; Ruwisch, Silke</i> <b>ELEMENTARY SCHOOL CHILDREN SOLVE SPATIAL TASKS - A VARIETY OF STRATEGIES</b>	3-305
RR1-11		
Building G-3F G304	Chair: Williams, Gaye <i>Gilat, Talya; Amit, Miriam</i> <b>TEACHING FOR CREATIVITY: THE INTERPLAY BETWEEN MATHEMATICAL MODELING AND MATHEMATICAL CREATIVITY</b>	2-267
RR1-12		
Building G-4F G401	Chair: Ubuz, Behiye <i>Lin, Pi-Jen; Tsai, Wen-Huan</i> <b>FIFTH GRADERS' MATHEMATICS PROOFS IN CLASSROOM CONTEXTS</b>	3-139
RR1-13		
Building G-4F G402	Chair: Woo, Ahn-sung <i>Minh, Tran Kiem</i> <b>LEARNING ABOUT FUNCTIONS WITH THE HELP OF TECHNOLOGY: STUDENTS' INSTRUMENTAL GENESIS OF A GEOMETRICAL AND SYMBOLIC ENVIRONMENT</b>	3-217
RR1-14		
Building G-4F G403	Chair: Hsieh, Kai-ju <i>Kouropatov, Anatoli; Dreyfus, Tommy</i> <b>CONSTRUCTING THE ACCUMULATION FUNCTION CONCEPT</b>	3-11
RR1-15		
<b>BREAK</b>		

<b>Working Session / Poster Presentation</b>		
<b>11:20-12:50</b>	<b>Working Session 1</b>	<b>Vol.-Page</b>
Building G-4F G402	<i>Wee Tiong Seah, Alan J. Bishop, Philip Clarkson and Annica Andersson</i> <b>LEARNERS' VALUES: THEIR ANALYSIS AND DEVELOPMENT</b>	<b>1-159</b>
WS1-01		
Building A-B1 A001	<i>Merrilyn Goos, Olive Chapman, Laurinda Brown, and Jarmila Novotna</i> <b>THE LEARNING AND DEVELOPMENT OF MATHEMATICS TEACHER EDUCATOR-RESEARCHERS</b>	<b>1-160</b>
WS1-02		
Building G-4F G403	<i>Laurie Edwards and Deborah Moore-Russo</i> <b>EMBODIMENT, GESTURE AND MULTIMODALITY IN MATHEMATICS</b>	<b>1-161</b>
WS1-03		
Building G-6F G601	<i>Behiye Ubuz, João Filipe de Matos and Stephen Lerman</i> <b>FACTORS THAT FOSTER OR HINDER MATHEMATICAL THINKING</b>	<b>1-162</b>
WS1-04		
<b>11:20-12:50</b>		
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Chang, Yu Liang	RR8-06	RR1-06
Chapman, Olive	RR5-02	RR6-02
Cheam, Fiona	S02-03	
Chen, Chang-Hua	RR1-02	RR2-02
Chen, Chia-Huang	RR2-10	
Chen, Chi-Yao	S02-09	
Chen, Hui Ju	S03-04	
Chen, Tzu-Liang	S01-08	
Cheng, Diana	RR5-03	RR6-03
Cheng, Ying-Hao	S02-09	RR8-01
Chico, Judit	S03-09	
Chien, Da-Wei	S02-01	
Chin, Erh-Tsung		RR7-02
Chin, Kin Eng	S03-04	
Cho, Han Hyuk		RR2-10
Cho, Yi-An	RR3-02	
Chou, Hui-Chi	S02-06	
Chua, Boon Liang	RR4-05	RR1-05
Clarke, David	RR7-09	RR8-09
Conner, Annamarie		S02-01
Csíkös, Csaba	RR8-05	
Czarnocha, Bronislaw	RR6-07	RR7-07

Name	Presentation	Chairing
Da Ponte, João Pedro	S03-06	RR4-03
Dahl, Bettina	S03-05	
De Bock, Dirk	RR4-15	RR5-15
Dickerson, David S	RR5-08	RR6-08
Dole, Shelley	RR2-08	RR3-08
Domite, Maria Do Carmo Santos	S03-03	
Dreher, Anika	RR6-01	
Edwards, Laurie	RR7-10	RR1-10
El Mouhayar, Rabih Raif	S03-11	S02-11
Elipane, Levi Esteban	RR2-03	RR3-03
Even, Ruhama	RR4-13	RR6-13
Fernandes, Elsa Maria	RR4-14	RR5-14
Fernández Plaza, José Antonio	RR2-15	RR3-15
Forsythe, Susan Kathleen	S01-01, S03-02	
Frejd, Peter	S02-08	
Fuglestad, Anne Berit		S02-04
Gasteiger, Hedwig	RR3-01	RR4-01
Gates, Peter		RR2-07
Ghosh, Sumanta	RR5-07	RR6-07
Gilat, Talya	RR1-12	RR3-12
Gómez, Bernardo	RR4-03	RR5-03
Goos, Merrilyn		S03-09
Gooya, Zahra	S01-06	
Gunnarsson, Robert	RR7-05	RR8-05
Halverscheid, Stefan	RR2-04	RR3-04

<b>Name</b>	<b>Presentation</b>	<b>Chairing</b>
Haug, Reinhold	S01-04	
Hegedus, Stephen	S02-02	
Heinze, Aiso	S02-11	RR5-06
Hewitt, Dave	S01-02	S02-02
Hino, Keiko	RR5-05	RR4-05
Ho, Siew Yin	RR1-03	RR2-03
Hoch, Liora	S02-03	S01-03
Hospesova, Alena	S02-11	RR5-02
Hsieh, Feng-Jui		RR4-10
Hsieh, Kai-Ju		RR1-15
Hsu, Hui-Yu	RR2-02	RR3-02
Hsu, Wei-Min	S02-07	
Huang, Chih Hsien	RR2-12	
Huang, Hsin-Mei E.	RR6-14	RR7-14
Hung, Hsiu-Chen	RR4-10	
Hung, Li-Yu		RR5-10
Imai, Kazuhito	S01-01	
Inprasitha, Maitree	S03-10	
Jakobsen, Arne	S03-07	S02-07
Jan, Irma	S03-08	
Janßen, Thomas	S02-02	
Jay, Tim	RR8-07	RR4-07
Jones, Keith	RR4-11	RR5-11
Jung, Yookyung	S02-07	
Kadroon, Thanya	S01-10	

<b>Name</b>	<b>Presentation</b>	<b>Chairing</b>
Kageyama, Kazuya	RR3-11	RR4-11
Kieran, Carolyn		RR3-05
Kim, Ok-Kyeong	S02-06	S01-06
Kouropatov, Anatoli	RR1-15	RR2-15
Krause, Christina	RR6-10	
Kukliansky, Ida	S03-08	
Kumar, Ruchi S	S02-07	S03-07
Kunimune, Susumu		RR3-11
Lange, Diemut	RR7-12	RR8-12
Lavy, Ilana	RR3-09	RR4-09
Le Roux, Kate	RR5-04	
Lee, Arthur Man Sang	RR2-11	
Lee, Ji Yoon	RR1-10	RR3-10
Lei, Kin Hang	RR3-13	
Leikin, Roza	RR8-08	
Lem, Stephanie	RR8-15	
Lerman, Stephen	RR6-04	RR7-04
Leu, Yuh-Chyn	S03-07	RR7-09
Leung, Allen Yuk Lun		RR1-11
Leung, Shuk-Kwan S.	RR8-04	
Lewis, Gareth	RR2-06	RR3-06
Li, Qing	S02-10	S03-10
Lien, Wen-Hung	S03-05	
Liljedahl, Peter	RR8-03	RR4-02
Lim, Kien H.	RR2-09	RR3-09

Name	Presentation	Chairing
Lin, Boga	S03-01	
Lin, Fou-Lai		RR1-02
Lin, Pi-Jen	RR1-13	RR2-13
Lin, Shin-Huei	S02-01	
Lin, Terry Wan Jung	S02-10	
Lin, Tsai-Wen	RR3-07	
Lin, Yung-Chi	RR6-02	RR8-02
Lindmeier, Anke M.	RR6-15	
Liu, Minnie	S01-01	
Lo, Jane-Jane	RR6-03	RR7-03
Lo, Ruei-Chang	S01-09	
Logan, Tracy	RR1-04	RR2-04
Lowrie, Tom	RR2-14	RR3-14
Lu, Yu-Jen	S01-10	
Ma, Hsiu-Lan		S02-08
Martins, Cristina	RR4-01	
Martins, Sónia Correia	S02-04	
Mata-Pereira, Joana	S01-09	S02-09
Matos, Joao Filipe	S02-04	
Mcdonough, Andrea	RR7-14	RR8-10
Mesa, Vilma	S01-11	S03-03
Milani, Raquel	S01-08	
Milinkovic, Jasmina	RR7-01	
Minh, Tran Kiem	RR1-14	RR2-14
Miyakawa, Takeshi	RR6-13	RR7-13

<b>Name</b>	<b>Presentation</b>	<b>Chairing</b>
Moore-Russo, Deborah	S01-05	S02-05
Morera, Laura	RR6-11	RR7-11
Murphy, Carol	RR3-08	RR4-08
Nakawa, Nagisa	RR5-09	RR6-09
Nergaard, Inger Norunn	RR4-02	
Ngu, Bing Hiong	RR5-12	RR6-12
Nortvedt, Guri A.		RR1-09
Novotna, Jarmila	RR7-02	
Okazaki, Masakazu		S03-01
Ong, Doris Ming Yuen	S01-02	
Österholm, Magnus	RR4-07	RR5-07
Otaki, Koji	S01-05	
Pang, Jeongsuk	RR1-01	RR2-01
Patrocinio, Pedro		S01-04
Peng, Aihui	S02-06, S03-09	
Petraskova, Vladimira	S01-11	
Pierce, Robyn		S03-08
Pimentel, Teresa	RR7-08	
Pino-Fan, Luis Roberto	RR7-07	RR8-07
Pinto, Jorge	S01-03	
Pinto, Marcia	S03-05	RR8-04
Planas, Núria		RR1-04
Plath, Meike Lisbeth	RR1-11	RR2-11
Porras, Päivi	RR1-06	RR2-06
Prescott, Anne	S03-10	S01-10

<b>Name</b>	<b>Presentation</b>	<b>Chairing</b>
Presmeg, Norma		S03-02
Prodromou, Theodosia	RR7-15	RR8-15
Rach, Stefanie	RR4-06	
Rands, Kathleen Evelyn	RR3-04	RR4-04
Reichersdorfer, Elisabeth	RR8-13	S01-09
Reiss, Kristina		RR7-15
Rezat, Sebastian	RR8-09	RR4-13
Rivera, Ferdinand Dychitan	RR1-05	RR2-05
Rosa, Maurício	S02-11	S03-11
Rott, Benjamin	RR6-12	RR7-12
Rowland, Tim	RR6-08	RR7-08
Ruwisch, Silke	S02-05	
Santos, Leonor	RR8-02	RR5-01
Savard, Annie	S03-09	
Schubring, Gert	S01-06	S02-06
Schukajlow-Wasjutinski, Stanislaw	RR3-06	RR4-06
Seah, Wee Tiong		RR5-04
Shahbari, Juhaina Awawdeh	RR3-12	RR4-12
Shimada, Isao	RR6-06	RR7-06
Shinno, Yusuke	RR3-15	RR4-15
Shriki, Atara	RR7-03	RR8-03
Shy, Haw-Yaw	S01-05	
Solares-Rojas, Armando	RR2-05	
Sollervall, Håkan	RR5-11	RR6-11
Søndergaard, Bettina Dahl		RR1-08



<b>Name</b>	<b>Presentation</b>	<b>Chairing</b>
Souto-Rubio, Blanca	RR1-08	RR2-08
Stenkvis, Anna	RR8-11	
Subramaniam, K		S01-11
Suh, Heejoo	S02-10	
Sztajn, Paola	RR2-01	RR3-01
Szymanski, Roman Sebastian	S01-04	
Takai, Goro	S02-08	
Tam, Hak Ping	RR7-11	RR8-11
Tang, Sarah Lucy	RR4-09	RR5-09
Tang, Shu-Jyh	S01-09	
Teppo, Anne		S01-05
Thinwiangthong, Sampan	S02-01	
Thompson, Angela		RR2-09
Thompson, Angela	RR1-09	
Trigueros, Maria	RR3-05	RR5-05
Tsai, Hsin-Ju	S03-03	
Tsai, Wen-Huan	S02-09	S03-04
Turan, Pelin	S02-04	
Tzekaki, Marianna	S03-01	RR1-01
Tzur, Ron	RR4-08	RR5-08
Ubuz, Behiye	RR7-13	RR1-13
Ufer, Stefan		RR8-13
Van Den Heuvel-Panhuizen Marja		S01-02
Van Dooren, Wim	RR6-05	RR7-05
Varas, Maria Leonor	RR7-06	RR8-06

Name	Presentation	Chairing
Venkat, Hamsa		RR6-01
Verzosa, Debbie	RR5-10	RR6-10
Wang, Li-Chuen	S01-02	
Wang, Mei-Chuan	S01-10	
Wang, Ting-Ying	RR3-10	
Watanabe, Koji	S01-03	S02-03
Wen, Shih-Chan	RR6-09	
Williams, Gaye		RR1-12
Woo, Ahn Sung	S01-04	RR1-14
Wu, Huei-Min	S02-05	
Wu, Pei-Jou	S01-06	
Wu, Szu-Hui	S03-02	
Yamada, Atsushi	S02-08	S01-08
Yamamoto, Shohei	S03-06	
Yang, Chih-Chiang	S01-03	
Yang, Der-Ching		S01-07
Yao, Ju-Fen	S03-11	
Yates, Shirley	S01-11	RR6-06
Yeo, Kai Kow Joseph	S01-08	
Yeung, Sze Man	S01-07	RR6-05
Yohei, WATARAI	S01-07	
Zarfin, Orly	RR5-06	
Zhang, Qiao Ping	S03-07	

## **CULTURAL & SOCIAL PROGRAM**

July 18 (Wed)-22(Sun) 2012

**Opening Session** (16:10 – 17:10; July 18, 2012 )

**Cultural Event** (18:30 – 19:30; July 18, 2012)

Five groups of elementary school students will perform at the Cultural Event:

- Taipei Mandarin Experimental Elementary School
- Shuang Yuan Primary School
- Dongmen Elementary school
- Taipei Municipal Xiyuan Elementary School
- Ming Dao Elementary School

Program details are provided in the manual of the Cultural Event.

**Reception** (19:30 – 21:30; July 18, 2012)

A reception will follow after the end of the Cultural Event in the foyer of the National C.K.S. Memorial Hall.

**Conference Dinner** (18:30-21:30; July 21, 2012)

Conference dinner will be served in COSMOS HOTEL (at the 3<sup>rd</sup> floor in the Taipei International Convention Center; 3F, No.1, Sec. 5, Xinyi Rd., Xinyi Dist., Taipei City 110, Taiwan ). Shuttle buses will depart from the conference hotels from 17:20-18:00 (Please see the schedule of shuttle at page 10 to get more details.).

# Conference Timetable

	Wed 18 Jul	Thu 19 Jul	Fri 20 Jul	Sat 21 Jul	Sun 22 Jul
08:00			8:00-8:30	8:00-8:30	8:00-8:30
10			Get Ready	Get Ready	Get Ready
20					
30		8:30-9:00	8:30-10:00	8:30-10:00	8:30-10:00
40		Get Ready	Plenary	Plenary Panel	Plenary
50			Marta Civil	Lulu Healy	Merrilyn Goos
09:00		9:00-10:00	Reactor: Jill Adler		Reactor: Stephen Lerman
10		Plenary			
20		Maria Alessandra Mariotti			
30					
40					
50					
10:00		10:00-10:30	10:00-10:30	10:00-10:30	10:00-10:30
10		Tea Time	Tea Time	Tea Time	Tea Time
20					
30		10:30-11:10	10:30-11:10	10:30-11:10	10:30-12:00
40		RR1	RR5	RR8	
50					
11:00					
10					DG2/RF2
20					
30					
40					
50					
12:00	11:20-12:50	11:20-12:50	11:20-12:50		
10	WS1/PP1	DG1/ RF1	WS2/PP2/NP	12:10-13:10 Closing Session	
20					
30					
40					
50					
13:00	12:50-14:20	12:50-14:20	12:50-14:00		
10	Lunch	Lunch	Lunch		
20	&	&			
30	New Comers' meeting	Policy Meeting			
40	13:20-14:20	13:20-14:20			
50					
14:00	14:00-16:10 Conference Registration	14:20-15:00	14:20-15:20		14:00-16:00 AGM
10		RR2	SO2		
20					
30		15:10-15:50	15:30-16:10		
40		RR3			
50		15:50-16:20	RR6		
16:00	Tea Time	16:10-16:40			
10	16:10-17:10 Opening Session	Tea Time			
20		16:20-17:20			16:40-17:40
30		SO1			SO3
40				16:10-17:40	
50		IC Meeting			
17:00	17:10-18:10				
10	Plenary	17:30-18:10			
20	Wann-Sheng Horng	RR4	17:50-18:30		
30					
40					
50					
18:00				18:30- Conference Dinner	
10			RR7		
20					
30					
40	18:30-19:30				
50	Cultural Event				
19:00					
10					
20					
30					
40	19:30-21:30				
50	Reception				
20:00					