

SEMIOTIC APPROACHES TO MATHEMATICS, THE HISTORY OF MATHEMATICS AND
MATHEMATICS EDUCATION (SEMMHISTED)– 3RD MEETING
ARISTOTLE UNIVERSITY OF THESSALONIKI, JULY 16-17, 2009

- PROGRAM -

Wednesday, 16

- 09:00 Welcome
- 09:15 Luis Radford: *Consciousness and gestures*
- 10:00 Julian Williams & Zurina Harun: *Listening with gestures – Gesturing to one’s self*
- 10:45 Break
- 11:00 Janete Bolite Frant: *Language, technology and gesture – The notion of time in Cartesian Graphs*
- 11:45 Lulu Healy: *Gestures as generalizations in the practices of blind mathematics learners*
- 12:30 Lunch Break
- 14.15 Ferdinando Arzarello & Cristina Sabena: *Semiotic and logical control in mathematical activities.*
- 15.00 Adalira Saenz-Ludlow: *Teaching and learning as a process of interpretation and objectification*
- 15.45 Break
- 16.15 Luis Puig: *Naïve, geometric, and algebraic proof with old and modern algebraic sign systems*
- 17.00 Gert Schubring: *How the i and the n turned out to become indexes in mathematical sequences and formulas*

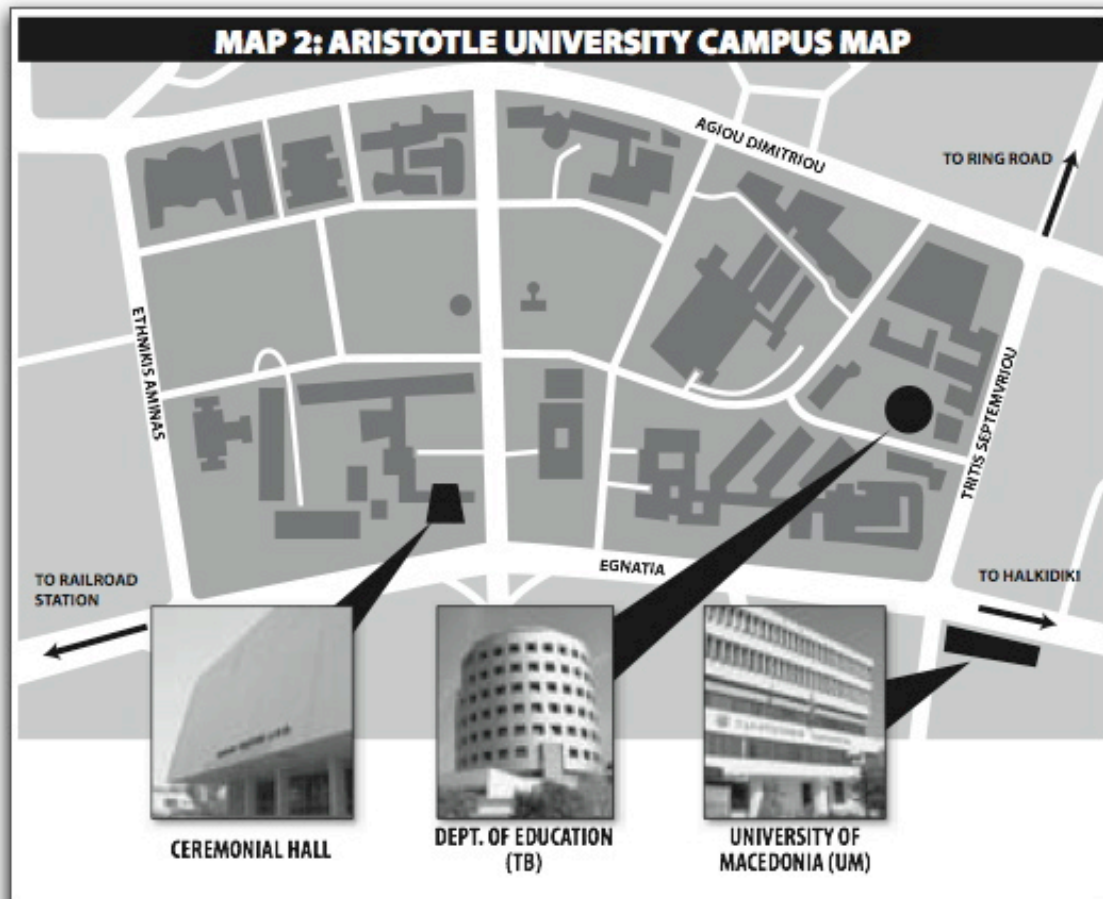
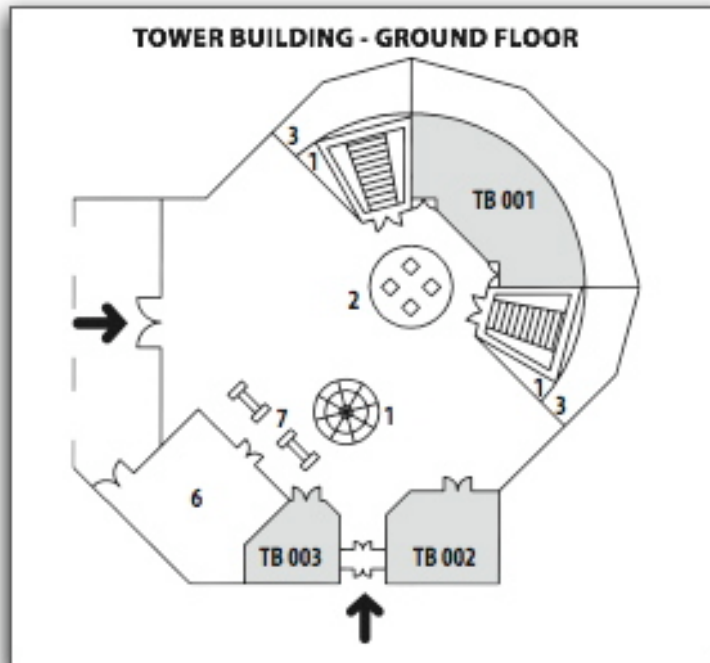
Thursday, 17

- 09.00 Jennifer Thom: *Grade 5 students’ numerical and spatial understandings in geometric tasks*
- 09.45 Evelyne Barbin: *Abbreviation and diagram in mathematical writing*
- 10.30 Break
- 11.00 Bruno D’Amore & Giorgio Santi: *Semiotic function and objectification*
- 11.45 René Guitart: *Sense and signs in the mathematical invention of coordination*
- 12.30 Lunch Break
- 14.00 Juan Godino, Vicenç Font, Miguel R. Wilhelmi & Orlando Lurduy.: *Systems of practices and onto-semiotic configurations as tools for the semiotic analysis in mathematics education*
- 14.45 Tony Brown: *Geometry, subjectivity and the seduction of language*
- 15.30 Break
- 16.00 Falk Seeger: *Shared intentionality and semiosis – A developmental perspective*
- 16.45 Final discussion

THE WORKSHOP WILL BE IN THE TOWER BUILDING OF THE DEPARTMENT OF EDUCATION,

ROOM TB 002 ON THE GROUND FLOOR → SEE MAPS BELOW OR

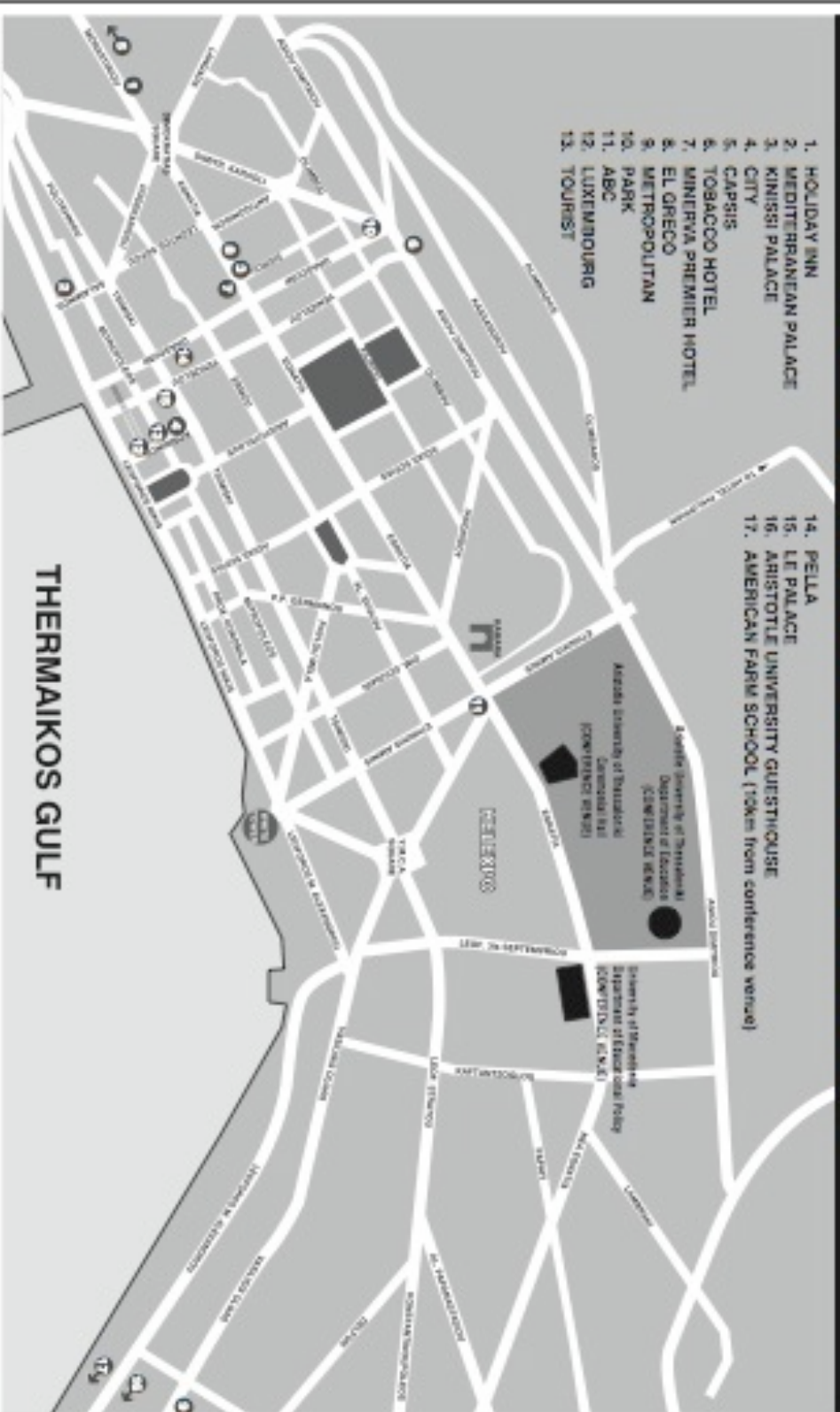
<http://www.pme33.eu/pme33/index.php?page=announce>



MAP 1: THESSALONIKI CITY & HOTELS MAP

1. HOLIDAY INN
2. MEDITERRANEAN PALACE
3. KINISSI PALACE
4. CITY
5. CAPSIS
6. TOBACCO HOTEL
7. MINERVA PREMIER HOTEL
8. EL GRECO
9. METROPOLITAN
10. PARK
11. ABC
12. LUXEMBOURG
13. TOURIST

14. PELLA
15. LE PALACE
16. ARISTOTLE UNIVERSITY GUESTHOUSE
17. AMERICAN FARM SCHOOL (15km from conference venue)



THESSALONIKI CITY & HOTELS MAP