

IGeS Geoid School
30 August-5 September, 2002
Thessaloniki, Greece

Organized by The University of Thessaloniki
Dept. Of Geodesy and Surveying

The Geoid School was held in Thessaloniki from August 30 to September 5, 2002 and was hosted by the Department of Geodesy and Surveying of the Aristotle University of Thessaloniki (see the program).

30 students attended the meeting. The participation was as follows: Denmark(3), Germany (5), Spain (1), New Zealand (1), Poland (2), Slovakia (2), Saudi Arabia (2), Italy (4), Estonia (1), Egypt (1), Algeria (3), Turkey (1), Greece (3).
(see the list of participants)

Names of the teachers are given in the attached Program. Dr. V.D.Andritsanos and Mrs. Georgia Fotopoulos assisted the teachers during the labs

Program:

1st day (30 August 2002):

1400 – 1900 Participants check-in into respective Accommodation and Course Registration

2nd day (31 August 2002):

0830 Opening Ceremony
0900 Break
0930 Lecture 1 – General Theory for geoid computation (prof. F. Sansò)
Lecture 2 – The remove restores concept (prof. F. Sansò)
1300 Lunch
1400 Lecture 3 – Collocation theory (Prof. C.C. Tscherning)
1530 Break
1545 Lecture 4 – Local datum estimation (prof. C.C. Tscherning)

3rd day (2 September 2002):

0830 Lecture 5 – Theory and application of global gravity models (prof. R. Barzaghi)

1000 Break
1015 Lecture 5 (Continues)
1130 Exercises 1 Global Models (prof. R. Barzaghi)
1300 Lunch
1430 Exercises 1 (Continues)
1530 Break
1545 Exercises 2 - Collocation (prof. C.C. Tscherning)
1830 Day Ends

1930 Social Dinner

4th day (3 September 2002):

0830 Exercises 1 - The Practical application of Optimised Ring Integration (prof. C. Tscherning)
1000 Break
1015 Lecture 6 – Practical geoid evaluation by Ring Integration (prof. W. Kearsley)
1230 Lunch
1400 Exercises 2 - Ring integration (prof. W. Kearsley)
1530 Break
1545 Exercises 3 - Ring integration and height datum (prof. W. Kearsley)
1700 Day Ends

5th day (4 September 2002):

0830 Lecture 7 – The theory of terrain correction for gravity anomalies and potential (prof. R. Forsberg)
1000 Break
1015 Lecture 7 (Continues)
1230 Lunch
1430 Exercises 1 (prof. R. Forsberg)
1530 Break
1545 Presentation of the Validation Theory and Software of BGI (prof. R. Forsberg)
1715 Day Ends

6th day (5 September 2002):

0830 Lecture 8 – The FFT Approach to the Geoid Determination (prof. M. Sideris - prof. C. Kotsakis)
1000 Break
1015 Lecture 8 (Continues)
1230 Lunch
1400 Exercises (prof. M. Sideris - prof. C. Kotsakis)
1600 Closing Ceremony
1745 Course Ends