

**Time Table for Mara Nord GPR training package 2 (EDU 2)**

**Place: 28.11. B167 / RAMK, 29.11. Borealis / RAMK**

**More info: Janne Poikajarvi, 040 164 8323, janne.poikajarvi@ramk.fi**

**Day 1:**

9:15 - 9:45 Lesson 1: Introduction, Designing a GPR project, preparing procurement documents

9:45 - 10:30 Lesson 2: Arranging GPR field data collection, safety issues, other surveys needed

Break

10:40 - 11:10 Lesson 3: Calibration of GPR system in the field, metal plate tests, encoder calibration, etc

11:10 - 11:40 Lesson 4: Performing data collection, quality assurance of the data in the field, making back ups

Lunch

12:40 - 13:20 Lesson 5: GPR data analysis – preprocessing techniques needed

13:20 - 14:00 Lesson 6: GPR data processing techniques, techniques to improve signal quality

Break (coffee)

14:15 - 16:30 Lesson 7: 2D and 3D GPR interpretation techniques,

16:30 - 17:00 Lesson 8: Summary of day 1

**Day 2:**

8:00 - 9:00 Lesson 9: How to identify road damages from GPR data; settlements, frost fatigue, deformation, moisture, etc

9:10-10:00 Lesson 10: Integrated analysis of GPR and FWD data, bearing capacity indexes, moduli back calculation, moduli forward calculation,

Break

10:10-10:40 Lesson 11: Integrated analysis of GPR and profilometer data

10:40-11:20 Lesson 12: GPR and thermal camera data analysis

11:20-11:50 Lesson 13: Presenting and delivering GPR surveys results

Lunch

12:50 - 13:30 Lesson 14: Common mistakes and how to identify cheating in the interpretations

13:30-14:00 Lesson 15: Future of GPR technique

Break (coffee)

14:15 - 15:30 Lesson 16: GPR applications

15:30 - 15:50 Lesson 17: Summary of day 2

15:50 - 16:00 Lesson 18: Instructions to practical demonstration cases.