

NIR – Network on Impact Research RESEARCH TRAINING COURSE

SMALL QUATERNARY CRATERFORMS - GEOPHYSICAL AND ECOLOGICAL ASPECTS Värskä and Kaali, Estonia, September 28. – October 2., 2008

Estonia hosts two Quaternary crater complexes both with proven impact origin. Totally eight preserved structures are found within the Kaali complex (Saaremaa Island, W Estonia) and two within Ilumetsa (SE Estonia). Their origin is proven by findings of meteorite fragments and impact spherules, respectively. Additionally four other small circular features: Tsõõrikmäe, Simuna, Vaidasoo and Lasnamäe are supposed to have an impact origin.

In the course we will discuss the prerequisites, mechanisms and ecological influence of formation of small impact structures, and their geophysical signatures. The course includes theory and field-work with GPR (Ground Penetrating Radar) and magnetometer in Ilumetsa, Tsõõrikmäe and Kaali structures.

Active participation in course, fieldwork and delivering of accepted written report will be evaluated to 10 ECTS points (University of Tartu).

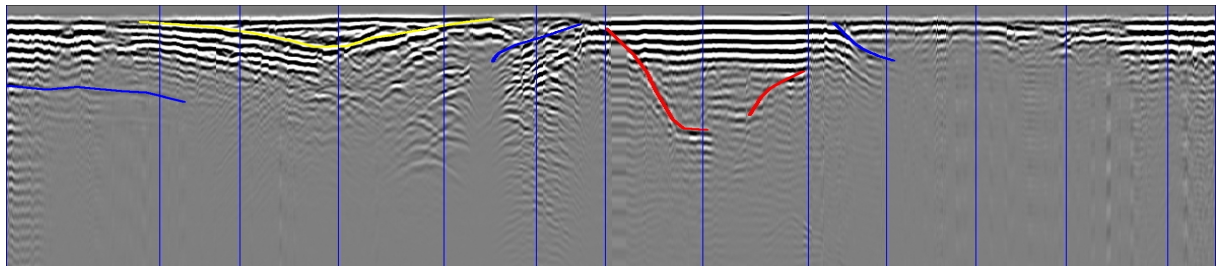


Kaalijärv meteorite crater, summer 1999

COURSE DESCRIPTION

- Level:** Research students and fresh post-graduates. 10 ECTS credits.
- Cost:** Participants from NIR participating countries register for free; participants from outside the NIR region may be considered for vacant seats.
- Maximum number of participants:** 15
- Deadline for application:** August 1.
- Arrival:** September 27.
- Departure:** October 3.
- Venue:** Värskä, SE Estonia (Silla 4, Värskä vald 64001, Põlvamaa)
Kaali, Saaremaa Island, W Estonia (Kaali küla, Pihtla vald 94102, Saaremaa)
- Organizers:** Jüri Plado and Ulla Preeden, University of Tartu.
- Instructors:** Natalia Artemieva, Russian Academy of Sciences;
Henning Dypvik, University of Oslo;
Svein-Erik Hamran, University of Oslo;
Argo Jõeleht and Jüri Plado, University of Tartu;
Wolf Uwe Reimold, Humboldt-Universität zu Berlin;
Siim Veski, Tallinn University of Technology
- Public lecture:** October 2.
- Course reports:** Deadline October 31.

APPLICATION: The application should include name, age, address of home institution, e-mail address and phone number along with the title of thesis and name of supervisor. In addition a short description (max. 200 words) expressing scope of interest and current projects. Application form and additional course information are found at <http://www.geo.uio.no/nir/>. The application should be sent to Jüri Plado (juri.plado@ut.ee) no later than August 1.



Radar record of the Ilumetsa structure, February 2007