

Workshop on the

Application of ^{14}N NQR to detect the presence of illicit materials and polymorphism: New achievements in data acquisition and analysis

June 1-6, 2008
Bled, Slovenia

Sunday, June 1

16:00 – 19:00 Arrival, accommodation and registration in the DMFA guest house at Bled

Monday, June 2

9:15 - 9:30 *Opening of the Workshop*
9:30 - 10:30 *An overview of recent advances in the data processing of NQR signals, Andreas Jakobsson*
10:30 - 11:00 Coffee break
11:00 - 11:30 *Exploiting additional NQR sensors to cancel RFI and spurious signals, Naveed Butt*
11:30 - 12:00 *Reconstruction of missing data samples, Erik Gudmundson*
12:00 - 12:30 Discussion

12:45 - 15:00 Lunch

15:00 - 16:00 *Double resonance detection of ^{14}N NQR frequencies in explosives and drugs, Janez Seliger*
16:00 - 16:30 Coffee break
16:30 General discussion FP7: Replacement of Dewil project
19:00 Workshop dinner

Tuesday, June 3

9:30 - 10:30	<i>ISL work on direct NQR</i> , L. Merlat, K. Darée
10:30 - 11:00	Coffee break
11:00 - 12:00	<i>NQR research of illicit materials at Kings College London</i> , J.A.S. Smith and co-workers
12:00 - 12:30	Discussion
12:45 - 15:00	Lunch
15:00 - 16:00	<i>Polarization enhanced NQR detection of TNT at room temperature</i> , Janko Lužnik
16:00 - 16:30	Coffee break
16:30	Trip to the island of lake Bled and/or Bled castle

Wednesday, June 4

9:30 - 10:30	<i>SLSE off-resonance effects in ^{14}N NQR of paranitrotoluene</i> , Alan Gregorovič
10:30 - 11:00	Coffee break
11:00 - 12:00	Posters (T. Apih, R. Blinc, A. Gregorovič, J. Seliger, V. Žagar)
12:00 - 12:30	Discussion
12:45 - 15:00	Lunch
15:00 - 16:00	<i>Cantilever and micro-capacitor-based sensing system</i> , Erik Zupanič, Igor Muševič
16:00 - 16:30	Coffee break
16:30 - 18:00	Posters (V. Jazbinšek, J. Lužnik, I. Muševič, J. Pirnat, Z. Trontelj)
18:00	Workshop closing words

Thursday, June 5

Excursion to the cave of Postojna will be organized
(alternatives: lake Bohinj and Vogel or Kranjska Gora and Vršič)