Minutes of the First EFNDT WG5 - APLD Meeting

Place and date: Zagreb, November 22nd 1999

Agenda:

- Establishing WG-APLD,
- Setting the necessary structure in accordance with EFNDT Regulations for WGs,
- Analysis and evaluation of WG potentials,
- Analysis of the representation of NDT methods in APL detection,
- Animation of NDT experts for application of their knowledge and experience in mine detection,
- Classification of the methods and techniques on the basis of their efficiency and applicability,
- Detection and remediation technologies for APL and APL-like targets,
- Reliability analysis of results in terms of probabilities of detection, false alarm rates, repeatability and reproducibility,
- Performance demonstration,
- Standardisation of procedures,
- Education, qualification and certification for mine detection and corresponding activities,
- Planning future activities,
- Establishing Links to Non-European Experts and Societies,

Discussion:

 Welcome by prof. Vjera Krstelj, convenor of WG5 APLD on behalf of <u>EFNDT</u>, <u>CrSNDT</u>, <u>Faculty of Mechanical Engineering and Naval Architecture</u> and <u>Center of Technology</u> <u>Transfer</u>.

She thanked to participants for attending this meeting and trying to help people affected by mines.

Prof. Krstelj informed the group that WG 5 was initiated by EFNDT in March 1999 in Berlin. She also spoke about the problem of antipersonnel landmines detection in the world and the needs of science contribution and particularly the contribution of NDT experts in providing advance and progress in methods, equipment, standards and procedures. (Some copies of the transparencies are included on request of the members).

Prof. Krstelj presented the structure of EFNDT and underlined that WG5 APLD could cooperate with other, related EFNDT working groups.

• Welcome by mr. Zoran Leitner, Ph.D. deputy director of Center of Technology Transfer.

Mr. Leitner explained the roll of CTT as incubation centre of ideas and host of the 1st meeting of WG5.

- Mr. Miro Džapo presented CTT's project "Performance demonstration of companies for demining in 2000". Project includes procedures for performance demonstration of companies, personnel, protective equipment, metal detectors, dogs and machines.
- Mr. Damir Markuèiè, Ph.D. introduced group for metal detectors, and presented <u>NDT</u>
 <u>Laboratory</u> of Faculty of Mechanical Engineering activities related to the methods of APLD.
- Mr. Josip Stepaniæ, M.Sc. presented activities for EFNDT WG5 ALPD announcement. Call for EFNDT WG5 APLD participation was send to all European NDT societies. Respond was received by Hungarian Organisation for Non-Destructive Testing (HONDT), Deutsche Gesellchaft für Zerstörungsfreie Prüfung (DGZfP), The Israeli National Society of Non Destructive Testing, Slovenian Society for Non-Destructive Testing, Slovenian Society for Non-Destructive Testing and Technical Diagnostics (RSNTTD).
 Calls for EFNDT WG5 APLD participation was also send to individual addresses of experts with whom CrSNDT has had prior contacts. EFNDT WG5 APLD is not known jet and there should be open possibility for cooperation with other groups or companies.
 Future activities shall be the establishing database of members and interested persons, and continuous informing of EFNDT WG5 APLD.
- After discussion about proposed Statute the following changes were proposed:
 - o Adding a new kind of membership (observer) in Statute.
 - After long discussion it was decided that all members should be members of national societies, and associated members should pay some amount for membership, or should contribute on some other way.
 - o It was decided that article 1.6. should come before article 1.3.
 - Article 1.3. should be as follows: Working group will suggest kind of membership to Board of Directors.
 - o Article 4.1. was supplemented and should be: All discussions, conclusions and reports of discussions are confidential, by agreement of all members and their representatives.
 - Statute should be supplemented with article 4.7. 4.7. Observer could attend only if WG agree regarding agenda of meeting.
 - o Deadline for membership application is December 31st 1999.
 - o The EFNDT WG5 APLD accepted statute in proposed form with additional changes.
- Applicants for membership were discussed for every member after personal introduction or introduction by questionnaire.
- Presentation of some members The members of APLD WG5 listed bellow used the opportunity to present the activities of there Institutes/firms and their vision of the future activity in WG5. There were 5 speakers;
 - Mr. Dieter Schrottmayer, Ph.D. form Schiebel, Austria presented his firm and firm's products.
 - Mr. Andres Flogvall, Ph.D. from Celsius Tech Electronics AB, Sweden talked about P.I.C.E. (PinPoint, Identification, Clearance and Ensurance) programme.

- Mr. Jörg Beckmann, Ph.D. from BAM, Germany presented Radiographic Inspection of IED's.
- o Mr. Davor Antoniæ, M.Sc., Ministry of Interior Republic of Croatia.
- o Mr. Milan Bajiæ, Ph.D., Scientific Council of the Croatian Mine Action Center.
- Prof. Krstelj proposed following priorities for the programme of EFNDT WG5 APLD:
 - o Terminology
 - Standardisation
 - o State of art APLD
 - Technology policy
 - o RR test

After successful and long discussion the following was decided:

- Inside of WG 5 subgroups working on agreed tasks will be formed.
- Subgroup for terminology should define all relevant terms as priority.
- Subgroup for standardisation should make contacts and links to ISO, CEN, and EA. For the beginning subgroup for standardisation should concentrate on standardisation of metal detectors. It is underlined that experiences from NDT could be helpful and should be used.
- Subgroups for other tasks should be formed in near future. Some new members of EFNDT WG5 APLD could be invited/accepted relating to the problem.

Prof. Krstelj also expresses the importance for the members of EFNDT WG5 - APLD to participate at the 15th World Conference on NDT in Rome 2000.

She will try to contact ICNDT organisers and explained why all papers regarding APLD should be presented in the session APLD that should be included in the Conference program as additional session.

She will also try to motivate NDP experts to prepare the materials for the World NDT Conference Rome 2000.

The meeting was finished at 16.30 and the additional friendly contacts at 19.00. The date and place of the EFNDT WG5 - APMD 2nd meeting and agenda will be announced after reply of the members regarding their interests in participation in agreed priorities.

Last updated: 22. November 2000.

Send questions, comments and suggestions to: josip.j.stepanic@fsb.hr