



# POLITECNICO DI TORINO

Torino  
December 7, 2007

Dear Participants,

enclosed please find the Minutes of the third meeting of the Leonardo da Vinci ILTOF project, held on November 9, 2007 from 9 a.m. to 5 p.m. at the Ester Hotel in Cracow, Poland.

Yours sincerely,

Alberto Carpinteri  
ILTOF Coordinator

# Leonardo da Vinci ILTOF Project

## Minutes of the Third Meeting – November 9, 2007

Ester Hotel, Cracow, Poland

List of participants: A. Carpinteri, M. Paggi (POLITO); M. Konsta-Gdoutos, D. Prokupidou (LAM DUT); A. Neimitz, I. Rokach (KUT); G. Borzi (TCN); M. Gorol, J. Jackowiak (MESco); H. Oka (FIGES); G. Bitsch (ITWM); T. Morris, J. Davenport (NAFEMS); G. Zavarise (ESIS).

### 9:00 Opening

(1) **A. Neimitz, M. Gorol** – Welcome to the Participants; Presentation of the Kielce University of Technology (KUT) (see Annex A).

(2) **A. Carpinteri** – Brief overview on the progress of the ILTOF Project (see Annex B).

**G. Borzi** – Report on the progress of the activities implemented by TCN and summary of the main results (see Annex C).

- Status update on the ILTOF needs analysis survey.

Presentation of the statistical results (the statistical analysis has been carried out on more than 150 fully filled in online questionnaires and on more than 50 filled in paper version questionnaires). The English language has been chosen as the preferred language for the realization of the educational material (99% of the preferences, see Annex C).

- Status update on the ILTOF web-site.

The web-site has been visited by more than 3800 unique visitors since the middle of March 2007. The peaks of visitors in June and July reflect the positive effect of the dissemination activity operated by POLITO and ESIS. Now, the web-site is visible in Google and we have more than 50 unique visitors per day.

A detailed presentation of the new content uploaded on the ILTOF web-site is presented (see Annex C).

- E-courses: first ILTOF video-course completed.
  - Presentation of the CD-ROM version.
  - Presentation of the on-line Internet version.

- Show of a demonstrative sample of the new e-courses technological platform prepared by TCN.
- (3) **Work Package 1:** Coordination.  
**A. Carpinteri** – Brief discussion on the coordination activities, no particular remarks.
- (4) **Work Package 3:** Specifics definition  
**G. Borzi, A. Neimitz and I. Rokach** – Discussion on the format of the video-courses. The Partners decide to experience different formats in order to fit the specific requirements of each course.
- (5) **Work Package 4:** Products implementation.  
 Summary of the educational material to be implemented and definition of the time scheduling for its production.

POLITO:

- Video-course “Fracture Mechanics and Complexity Sciences”, given by Prof. A. Carpinteri (12 h) (already completed and ready to appear on the Project web-site).
- Video-course “Fundamentals of Fracture Mechanics”, given by Prof. A. Carpinteri (10 h) (in progress, expected completion date: April-May 2008).
- Video-course “Advanced Applications of Nonlinear Crack Models”, given by Dr. M. Paggi and Dr. S. Puzzi (8 h) (in progress, expected completion date: April-May 2008).
- Video-course “Miscellanea”, given by Dr. M. Paggi and Dr. S. Puzzi (8 h) (in progress, expected completion date: April-May 2008).
- Video-course “Acoustic Emission Technique”, given by Dr. G. Lacidogna (4 h) (expected completion date: May 2008).
- Primer in English language on “Fundamental Aspects of Fracture Mechanics and Structural Integrity” (expected completion date: end of the Project).
- Primer in English language on “Advanced Applications of Fracture Mechanics and Structural Integrity” (expected completion date: end of the Project).

KUT:

- Video-course “Applications of Fracture Mechanics to Fatigue and Creep in Engineering Problems”, given by Prof. A. Neimitz (12 h) (expected completion date: February 2008);

- Video-course “Applications of the Finite Element Method in Fracture Mechanics”, given by Dr. I. Rokach (12 h) (expected completion date: May 2008).
- Book in Polish language (expected completion date: end of the Project).

LAMDUT:

- Video-course on “Basic Concepts of Fracture Mechanics”, given by Prof. E.E. Gdoutos (15 h) (expected completion date: February 2008).

ITWM:

- Video-course “Mathematical Methods and Statistics Applied to Durability”, given by Dr. G. Bitsch (2 h) (expected completion date: end of February 2008).
- Video-course “Load Data Analysis for Fracture Mechanics”, given by Dr. G. Bitsch (2 h) (expected completion date: end of February 2008).

ACTIONS:

The Partners will send to POLITO a filled in resumé (see Annex D) for each proposed video-course by the end of December, reporting a very short summary and the tentative title per each hour or couple of hours. The final version of such documents will be circulated to all the Partners within the end of January 2008.

(6) **Work Package 5:** Products testing.

Definition of the Partners involved in the testing activity.

- ESIS will be responsible for the coordination of all the testing activities.
- TCN will prepare an online questionnaire for the evaluation of each video-course (the questionnaire will be also translated in Polish).
- FIGES proposes to involve its internal personnel and its commercial partners as potential testers.
- MESco proposes to involve two customers (AVIO Poland and Racszow) as potential testers.
- ITWM proposes to involve its internal personnel as potential tester.
- NAFEMS will contribute to the testing activity with the NAFEMS members.
- POLITO, KUT and LAMDUT will contribute to the testing activity with Master and Ph.D. students.

## ACTIONS:

The Partners will send to POLITO a more detailed sketch of their intents regarding testing and the number of people they expect to involve per each course in this activity by the end of February 2008.

(7) **Work Package 7: Dissemination.**

- ESIS proposes to use the ESIS Newsletter and the ESIS web-site to advertise on the Project results.
- NAFEMS proposes to realize international seminars on the web.
- FIGES plans to disseminate the Project results in occasion of a Conference on Finite Element Methods.
- TCN and POLITO will explore the possibility to organize the Closing Conference in conjunction with the last Project Meeting.

(8) **Organization of new activities and scheduling of the next Meetings.**

May 2008 – meeting in Turkey (Istanbul). The exact dates will be decided by e-mail during the next few months.

**17:00 Closure of the meeting**

The minutes are approved by all the Partners at the end of the Meeting.



Prof. Alberto Carpinteri, Project Coordinator

Enclosures: Annexes A, B, C, D.