



Co-funded by the  
Erasmus+ Programme  
of the European Union

## PHYSICS

### Workshop 3 & Management Meeting, October 27 & 28<sup>th</sup> 2017, Ostend Belgium

#### Thursday, October 27th, 2016

Conference Room KU Leuven Technology Campus of Ostend, Belgium

#### **Persons present:**

Anatolijs Zabašta (Riga Technical University), Anastasija Zhiravecka (Riga Technical University), Renaat De Craemer (KU Leuven), Anik Janssens (KU Leuven), Joan Peuteman (KU Leuven), Hilde Lauwereys (KU Leuven), Frederik Desplentere (KU Leuven), Alexander K. Fedotov (Belarussian State University), Elias Kyriakides (University of Cyprus), Stella Hadjistassou (University of Cyprus), Boris Assanovich (Yanka Kupala State University of Grodno), Hanna Pozniak (Yanka Kupala State University of Grodno).

#### **Meeting report:**

Welcome by Frederik Desplentere, elected chair of the KU Leuven Technology Campus of Ostende.

Round table and introduction of all participants.

Adoption of the agenda (see annex 1)

Presenting the Faculty of Engineering Technology by Hilde Lauwereys, international liaison officer of the FET, KU Leuven. [Hilde.lauwereys@kuleuven.be](mailto:Hilde.lauwereys@kuleuven.be), main contact person for the student's and staff's exchange all over the Faculty of Engineering Technology (presentation: see annex 2). By request of the attendees, an overview of KU Leuven spin-off companies can be found: <https://lrd.kuleuven.be/en/spinoff/spin-off-companies>

Status of the progress of PHYSICS, by Anatolijs Zabašta.

- The partnership agreements have been signed with all partners.
- The advanced payments have been provided to all partners excepted the Ministry of Education of Belarus.
- The Cabinet of Ministers just has accepted the ERASMUS+ project. Therefore, in a few month the Belarussian partners may get the acceptance of the Ministry of Economy to spend the budget.
- It is not clear at this moment how and when a dissemination seminar will be organised by/ in cooperation with/ the Ministry of Education of Belarus. A.Fedotov promised to resolve this issue after receiving an acceptance of the Ministry of Economy.
- The implementation of the "deliverables schedule" seems ok. The next important milestone is the Standard Accreditation of the new Bachelor-Master (BaMa) study

programmes by the Ministry of Education of the Republic of Belarus.

- The project website is online: <http://physics.rtu.lv/>
- The feedback from RTU and KU Leuven concerning the e-environment has been implemented. Access has been given to the project partners by giving them a login and a password. See: <http://dl.bsu.by/>
- Concerning Work Package 1 (WP1), the ex-ante report is finished and ready, including a review and a report with recommendations (see the e-environment → the course/book "Documentation").
- Alexander FEDOTOV gives some detail on the general requirements in order to comply with the bachelor and master programmes as defined by the ministry of Education in Belarus (see the structure/ procedure as in table xyz in annex → Alexander).
- Some challenge to encourage the Industry Associations to take part at the meetings of the project. Probably related to the availability of the budgets.

Implementation of the curricula (Work Package 2, WP2, also: see the concerning annexes to this report).

- Book on Applied Physics, by Joan Peuteman: good progress, some layout work in order to correlate with the format as foreseen.
- Book on Applied Informatics, by Anastasia Žiravecka: texts are ready, at this moment: some time-consuming work on graphical material and figures and on tailoring the exercises to the profile of the students.
- Book on Functional Nano-materials, by Alexander K. Fedotov: the structure of the book is spread over 3 semesters, with elective courses, and with a 4<sup>th</sup> semester focussing on practical work. Exercises are developed in order to comply with the content and applications as explained in the book. Some chapters need to be "condensed/resumed" and translated in English.
- Book on Photonics, by Alexander K. Fedotov: books are ready, but lectures and presentations need to be further developed.
- Book on Guidelines on the Master Thesis in Applied Physics, by Elias Kyriakides. Overview of the status, some chapters are allocated to the lecturers.

Demonstration of the e-environment by Anatolijs Zabasta.

- The e-environment is installed on a server at the Belorussian State University. An additional book, "Documentation" is added for the purpose of the project management and the dispatching of information and documents among the project partners. Some questions concerning the number of students that can be given access to the learning environment (to avoid to overload the website).
- Alina Galkina is the person to be contacted to get help with the e-environment. Alexander S. Fedotov is the person to be contacted with IT Department of BSU in case the technical issues to be resolved.

Implementation of an ICT-based teaching & learning environment.

- Illustration the setup, by Joan Peuteman, of the book on "Applied Physics" (text, movies, pictures, quizzes, feedback, measurement setups available opportunities for students and lecturers).

Dissemination activities, by Elias Kyriakides.

- A table is presented to give an overview of all dissemination activities within the project. See annex xyz.
- Project Logo: different drafts of a project logo are presented. There is no agreement on the choice, but several ideas are given to Alexander Fedotov.

Alexander will consider the design a new logo in cooperation with his Belorussian colleagues.

#### Project Financial and Management Aspects, by Anatolijs Zabasta

- Refer to previous meetings, some important topics and deadlines are repeated
- New forms for Time Sheets, Staff Conventions.
- Some clarification and considerations on eligibility of travel costs.
- Next report to EACEA: deadline April 15<sup>th</sup> 2017, so all information from the project partners should be delivered to RTU at last on **March 15<sup>th</sup> 2017** (procedure: RTU has foreseen prefilled forms which need to be completed by the partners and send back).
- If a partner spends the 1<sup>st</sup> advance at close to 90%, he provides the Financial report before this term and sends a request for the 2<sup>nd</sup> advance.

### **Friday, October 28th, 2016**

Conference Room KU Leuven Technology Campus of Ostend, Belgium

#### **Persons present:**

Anatolijs Zabašta (Riga Technical University), Anastasija Zhiravecka (Riga Technical University), Renaat De Craemer (KU Leuven), Anik Janssens (KU Leuven), Joan Peuteman (KU Leuven), Alain Maricau (KU Leuven), Alexander K. Fedotov (Belarussian State University), Elias Kyriakides (University of Cyprus), Stella Hadjistassou (University of Cyprus), Boris Assanovich (Yanka Kupala State University of Grodno), Hanna Pozniak (Yanka Kupala State University of Grodno).

#### **Meeting report**

Presentation of the Yanka Kupala State University of Grodno by Boris Assanovich.

Introduction to the English Language course for teachers and tutors, by Alain Maricau.

- Starting with the expectations from the students
- Taking in account the level of the English language of the students
- Possible goals of the language course, taking in account the number of "students" (the partners, present, estimate a maximum of 16 participants (4 per university).
- Showing and presenting different course materials the source material: Ted-talks, web-based platform from KU Leuven ILT, conversations in the classroom, short presentations, interviews.
- The basis for this course is the book: *Academic Spoken English, A Corpus-Based Guide to Lectures, Presentations, Seminars and Tutorials* (ISBN: 9789033476266) (<https://www.acco.be/en/items/9789033476266/Academic-Spoken-English> )
- The course is planned as follows: in Ostend, Belgium, starting on Friday June 9<sup>th</sup> **until (and including) Tuesday June 13<sup>th</sup> 2017** Friday, Saturday and Monday would be lectures and classroom-practice and exercises, guided by Alain Maricau. Sunday would be a social event with English guided visits within the Ostend region. Tuesday would be a day of computerized exercises and testing, using the

facilities as designed by the Institute of Living Languages of KU Leuven and guided by some English-speaking lecturers of the KU Leuven Ostend Campus.

Introduction to Innovative teaching methods & electronic learning environments. By Anik Janssens.

The idea of the workshop, planned in Ostend in April 2017, is to practice some possible interactive teaching methods using a digital learning environment.

- How to design learning activities and how to implement the different steps in a Moodle environment.
- Exploiting modern technology and its possibilities by acting, both as a lecturer and as a student.
- How can students be motivated/pushed to do "knowledge-construction"?
- The basis of the Workshop is the book (Dutch title and content): "*Actief in de digitale leeromgeving, Didactische scenario's voor een innoverende praktijk*", Dewulf Lore & Janssens Anik. ISBN: 9789030103868.
- This 2-day workshop needs to be planned between **April 20<sup>th</sup> and April 28<sup>th</sup> 2017**.
- A more detailed programme will be presented during next management meeting of the consortium (Minsk, January 2017).

### **Conclusions and further steps**

- **Student training in Ostend**: from Monday **February 6<sup>th</sup> until Friday February 10<sup>th</sup> 2017**. A programme is "under construction". It is foreseen to have 8 Master degree/ PhD-students from 2 Belorussian partner universities, this can be re-organised e.g. as 4 students from 4 Belorussian partner universities, without an impact of the spending of the budgets as foreseen. The Ostend team will look how to arrange the students' accommodation, also regarding the available budgets.
- The 2-day **ICT-training Workshop** will be planned in Ostend between **April 20<sup>th</sup> 2017 and April 28<sup>th</sup>**, after Alexander and Boris consulted their colleagues, in search of the optimum date.
- Next **meeting WS/MC will be held in Minsk instead of Grodno**, in the **last week of January 2017**. The date will be confirmed with BSTU/ GrSU (A. Zabašta, K. Vishnevsky and B.Assanovich).
- Following **WS/MC – meeting in Nicosia, end of May 2017**: draft-deadline of the books, as a first run has to be carried out during the academic year 2017-2018.
- The **English language course for teachers** is planned in Ostend, starting on Friday June 9<sup>th</sup> until (and including) **Tuesday June 13<sup>th</sup> 2017 Friday, Saturday and Monday**.
- The **Intermediate report** to EACEA: deadline April 15<sup>th</sup> 2017, so all information from the project partners should be delivered to RTU at last on **March 15<sup>th</sup> 2017**.

Anatolijs Zabašta:

Renaat De Kraemer: