Development of practically-oriented student-centred education in the field of modelling ofCyber-Physical Systems – CybPhys

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Minutes for the Management Meeting & Workshop
19th-21st September, 2022

KIOS Research and Innovation Center of Excellence, University of Cyprus
Venue: 1 Panepistimiou Avenue, Aglantzia, CY-2109 Nicosia, SFC03, Room 105

Participants:

Dr. Anatolijs Zabašta, Riga Technical University (RTU)
Prof. Anastasija Žiravecka, Riga Technical University (RTU)

Prof. Joan Peuteman, Katholieke Universiteit Leuven (KULeuven)
Dr. Sammy Verslype, Katholieke Universiteit Leuven (KULeuven)

Prof. Andrii Hnatov, Kharkiv National Automobile and Highway University (KhNAHU)
Prof. Shchasiana Arhun, Kharkiv National Automobile and Highway University (KhNAHU)

Prof. Yurii Monastyrskyi, Kryvyi Rih National University (KNU)
Mrs. Olha Poliakovska, Kryvyi Rih National University (KNU)

Dr. Stella Hadjistassou, University of Cyprus (UCY)
Dr. Irina Ciornei, University of Cyprus (UCY)

Online:
Prof. Volodymyr Kazymyr, Chernihiv Polytechnic National University (CPNU)
Prof. Volodymyr Sistuk, Kryvyi Rih National University (KNU)
Prof. Iryna Zavsiehdashnia, Kryvyi Rih National University (KNU)
Prof. Sergii Ruban, Kryvyi Rih National University (KNU)

Approval of the agenda for the meeting

1. Project progress
2. WP4: Developing the sharing modelling and simulation environment platform
3. WP3: Implementation of innovative ICT-based teaching/learning environment
4. WP6: Dissemination
5. WP2: Development and modernization of curricula
6. WP5: Quality Assurance
7. Further steps and future actions for the project realization

The agenda was approved and no additional items were added to it.

Information on the Project's Progress

- A formal request has been put with the EACEA for extending the project until May 14, 2022 due to the war in Ukraine which hinders the realization of the project activities within the indicated timeframe;
- However, the EACEA has not provided an official response granting the requested extension;
- The majority opted for a plan of action which will strive to undertake the remaining project activities with the newly set deadline in mind, May 14, 2023.

WP4: Developing the sharing modelling and simulation environment platform

- Prof. Volodymyr Kazymyr (CPNU) demonstrated the newly developed Sharing Modelling and Simulation Environment Platform (SMSE), its functions and features; integration potentials in various contexts and added value
- Actions:
    - Nominate people for SMSE platform testing by Oct. 7, 2022
    - Arrange seminar – testing by the end of October.
    - Receive and evaluate feedback from SMSE platform testing
    - Report the outcomes of the testing phase

WP3: Implementation of innovative ICT-based teaching/learning environment

- Joan Peuteman discussed the implementation of innovative ICT-based teaching and learning methods, including
    - ICT-based tools
    - Practical realizations
    - Pedagogical competences
    - The prospect of linking WPs 3 & 4

- Actions:
  - Explore the possibility of connecting the Sharing Modelling and Simulation Environment Platform (SMSE)

WP6: Dissemination

An update on the project's dissemination activities was offered by Prof. Yurii Monastyrskyi and Mrs. Olha Poliakovska with complementary information provided by Volodymyr Sistuk. Each partner was requested to provide an updated dissemination plan reporting their activities prior to the project meeting.

- Actions:
  - Determine the location, venue, format, and date of the final conference;
  - Realize KPIs related to the project's dissemination

WP2: Development and modernization of curricula

- Dr. Andrii Hnatov (KhNAHU) discussed the suspension of the educational process for a month in Ukraine and later on the expansion of the semester for a month to cover the materials.
- Ukrainian partners updated the consortium on the new courses developed for
  - the Ph.D. and MSc programmes;
  - the preparation of all required documentation for programme accreditation;
  - the accreditation of courses and programmes;
  - questionnaires administered during the spring of 2022
- Prof. Volodymyr Kazymyr reported on curricula testing where. 2 out of the 7 courses developed were tested during the spring of 2022
  - 14 students in the MSc and 12 students in the BSc programmes benefitted from this process.
- Actions:
  - ensure the accreditation of programmes;
  - implementation and testing of courses;
  - accreditation beyond the completion of the project
  - survey of industry representatives
  - training school at UCY to be postponed until February of 2023
  - information session with stakeholders planned in April of 2023

WP5: Quality Assurance

Stella Hadjistassou presented the overview of the WP5 related to the QA activities of the project. The focus was on following-up the project's progress and undertaking corrective actions needed; QA updating, monitoring, and assessment.

Particular attention was placed on the feedback from stakeholders on newly developed courses and future actions that need to be undertaken to realize these tasks.

- Actions:
  - task progress reports need to be updated by each WP leader
  - deliverable progress report needs to be updated by each WP leader
  - responses need to be analyzed
  - a report would need to be developed based on the results of the questionnaires
  - follow-up and report on the accreditation process by each Ukrainian HEIs involved

Further steps and future actions for the project realization

- Follow-up on the extension requested for the project
- Plan the training school at UCY
- Accreditation of curricula and courses
- Testing of the courses
- Evaluation of the SMSE platform
- Dissemination plan and actions for its realization
- Ukrainian partners will submit a report about survey of industry representatives by September 30th
- An updated schedule of training and workshops will be confirmed by partner by October 5th.

CybPhys Coordinator Anatolijs Zabashta (RTU):

Organizer of the meeting Irina Ciornei (UCY):