

HEIBus Newsletter

November 2018

Second Round of Multidisciplinary Real Life Problem Solving

The second Round of **Multidisciplinary Real-Life Problem Solving (RLPS)** Projects started at the beginning of 2018 autumn semester. These projects focus on bringing students, HEI staff and companies to work together by forming three mixed student groups which solve the same real-life problem given by a company. The three RLPS projects in the second round are hosted by:

- Esslingen University of Applied Sciences (HE, Germany) in partnership with FESTOOL GmbH
- University of Miskolc (ME, Hungary) in partnership with Robert Bosch Power Tool Kft. Hungary
- University of Jaén (UJA, Spain) in partnership with ISR

Festool RLPS Project

The topic for the project given by FESTOOL GmbH focuses on creating a new mixing device by using a combined innovation process including classical and agile methods of product development. In this project HE (coordinator), UJA and ME are the HEI partners. The intensive week was organized from 24th to 28th of September in Esslingen, Germany. The agenda during this week included two tailored lectures, company presentation, company visits and construction site visits, project work, discussions with supervisors and different social activities.



All three teams showed great motivation and good first results that positively impressed the supervisors and company representatives. The feedback from students was also positive; the students greatly appreciated the interaction with the company and the possibility to apply their knowledge in solving the given task.

Bosch RLPS Project

The topic for the project given by Robert Bosch Power Tool Kft. Hungary focuses on developing new connected power tools for hobby and home decoration. In this project ME (coordinator), JAMK University of Applied Science (JAMK, Finland) and Technical University of Cluj-Napoca (TUCLUJ, Romania) are the HEI partners. The intensive week was organized from 17th to 21th of September in Miskolc, Hungary.



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The agenda during this week included tailored lectures, kick-off meeting at the company, project work, discussions with supervisors, company tour and social activities (e.g. visit to Diósgyőr-Castle and Ice-breaking party). All three student groups worked well and intensively, resulting in good results that were positively appreciated by the company representative. For the most of students this was the first international multidisciplinary project and for all of them very positive experience.



ISR RLPS Project

The topic for the project given by ISR focuses on design, construct and program a multisensory device to acquire agroclimatic information of olive trees or other type of crops. In this project UJA (coordinator), JAMK and TUCLUJ are the HEI partners. The intensive week was organized during from 1st to 5th of October in Jaén, Spain. The agenda of this week included kick-off meeting, tailored lectures, laboratory tour, project work, mentoring and discussions with supervisors, visit to PICUALIA and social activities (e.g. guided city tour).



The three groups worked hard and stated that the HEI-supervisors and company experts support was very helpful. Although some members of the virtual group had problems to follow all the activities, the work presented at the end of the week was of a very high quality. Both, supervisors and the company representative were positively surprised about the high level presentations and progress of the student groups.

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