

# Minutes UFO Meeting

Date of Meeting  
27<sup>th</sup> October 2011  
Matthias Balzer

## ***Participants***

T. Farago, D. Haas, W. Mexner, J.-T. Reszat  
M. Balzer, S. Chilingaryan, M. Vogelgesang, A. Kopmann, H. Pasic  
M. Caselle, U. Stevanovic, H. Pasic, D. Hillenbrand (IPE)

## ***Topics***

### **1. Minutes of Last Meeting**

The minutes of the previous meeting (22.09.11) are available on the TRAC system.

### **2. ACTIONS !**

- Tomas Farago reports that there was no further information by Vladimir Reznichenko about the control algorithm. Matthias Balzer will organize a meeting next week with Tomas, Tomy and Michele to decide the next steps.
- David Haas will ask Tomy about the status of the optical cable for the pco.edge camera.
- The EMC test of UFO camera in the TopoTomo hutch is still not made. Matthias Balzer will ask Patrik Vagovic (ISS) to find a solution for this problem.
- Uros Stevanovic will make a short report about the requirements and the possibilities for the 5kfps camera system.
- The fast reject algorithm FPGA implementation should be completed next week. (Uros Stevanovic).
- Tomas Farago and Uros Stevanovic will make a literature research about the reject algorithm and benchmarks for reject algorithm. At the next meeting the results should be presented.
- Suren Chilingaryan should complete the driver for streaming mode of UFO camera.
- Review investment plan 2011 (Matthias Balzer, Tomy dos Santos Rolo).

#### Results

- The UFO computing server is running. The optical connection to the pco.dimax camera works.
- Wolfgang Mexner will give an introduction in ANKA Control System on the 9<sup>th</sup> November.
- The temperature control for the UFO camera is still opened. The work is not on a critical path for further steps. (Michele Caselle).

### **3. “Cluster Architecture for Development in IPE” (Chilingaryan)**

Suren Chilingaryan presents the status of the existing system. It is planned to increase server performance by factor two with the use of Infiniband bus system. In his talk he points out the prospects and the next tasks (TRAC).

#### **4. Misc**

- Matthias Vogelgesang reports that the pco.dimax camera is supported by libuca. The functionality of this camera differs to the other (TRAC).
- Jan Reszat informs about the status of mechanical design. The first draft of sample mechanics was made some weeks ago and reviewed by Ralf Steininger. He is beamline operator and reviews most of mechanical projects at ANKA. The specification phase is not completed. In parallel possible suppliers are contacted (AEROTEC). The finalized specification should be made in the next days. Matthias Balzer approve the first review and emphasize that the project group in special Prof. Weber want to be informed about the next review meeting!  
The detector mechanic is not total clarified. The IBG mechanic workshop is forseen for construction. The discussions about specification and finance are not finished.
- Matthias Balzer suggests to design a sensor carrier with a high resolution CCD sensor for the UFO camera. His idea is to use an E2V image sensor. The final decision needs the definition of requirements and the characteristics of image sensors.
- Wolfgang Mexner explains the schedule for X-ray section of detector lab. The lab should be available on March 2012 from the IT point of view. He is not informed about the commissioning of the visible light section. Tomy is the responsible contact person.

#### **5. Main Topic and Date of Next Meeting**

D. Hillenbrand "Micro Engine Part 2"

Next Meeting 10<sup>th</sup> November 14:00 IPE 242 Room 413