

## **Session Program**

**12-14 Oct 2011**



# **VLVnT11 - Very Large Volume Neutrino Telescope Workshop (2011)**

## ***Parallel Session 4***

Physics Lecture Hall, HG  
Hörsaalgebäude - Staudtstraße 5 - 91058 Erlangen - Germany

# Wednesday 12 October

16:30

## Parallel Session 4: Photodetection and Readout

**Session** | **Location:** Physics Lecture Hall, HE | **Conveners:** Oleg Kalekin, Tass Belias

### 16:30–16:50 PMT measurements in Antares

**Speaker**

Dr Oleg Kalekin

### 16:50–17:10 Terrestrial Magnetic Field Effects on Large Photomultipliers

**Speaker**

Dr Emanuele Leonora

### 17:10–17:30 Ageing Characterization on Large Area Photomultipliers

**Speaker**

Dr Emanuele Leonora

### 17:30–17:50 Status of the PMT development for KM3NeT

**Speaker**

Mr Lew Classen

### 17:50–18:10 Performance of Photo-Sensors for KM3NeT

**Speaker**

Qader Dorosti

### 18:10–18:30 Photomultiplier Design and Manufacture at ET Enterprises

**Speaker**

Andy Cormack

### 18:30–18:50 A TDC for characterization of KM3NeT PMTs

**Speaker**

Gerard Kieft

### 18:50–19:10 VSiPMT for underwater neutrino telescopes

**Speaker**

Dr Daniele Vivolo

### 19:10–19:30 A large surface Photomultiplier based on SiPMs

**Speaker**

Carlos Maximiliano Mollo

19:33

# Thursday 13 October

10:00

## Parallel Session 4: Photodetection and Readout

**Session** | **Location:** Physics Lecture Hall, HE | **Conveners:** Oleg Kalekin, Tass Belias

10:00–10:20

### Reconfigurable hardware applications on NetFPGA for network monitoring in large area sensor networks

#### Speaker

Mr Vasileios Koutsoumpos

10:20–10:40

### SCOTT: A time and amplitude digitizer ASIC for PMT signal processing using multi time over threshold technique.

#### Speakers

Sophie Catherine Ferry, Sophie Ferry

10:40–11:00

### Latest progress in PMT development

#### Speaker

Yuji Hotta

11:00–11:20

### FPGA shore station demonstrator for KM3NeT

#### Speaker

Dr Kostas Manolopoulos

11:20–11:40

### Photonics-oriented data transmission network for the KM3NeT prototype detection unit

#### Speaker

Jelle Hogenbirk

11:40–12:00

### Data readout system utilizing photonic integrated circuit

#### Speaker

Mr Stanislaw Stopinski

12:00–12:20

### White Rabbit: Sub-Nanosecond Timing over Ethernet

#### Speaker

Henk Peek

12:20–12:40

### Embedded electronics and data acquisition of a detection node for the European KM3NeT telescope.

#### Speaker

frederic louis

13:00