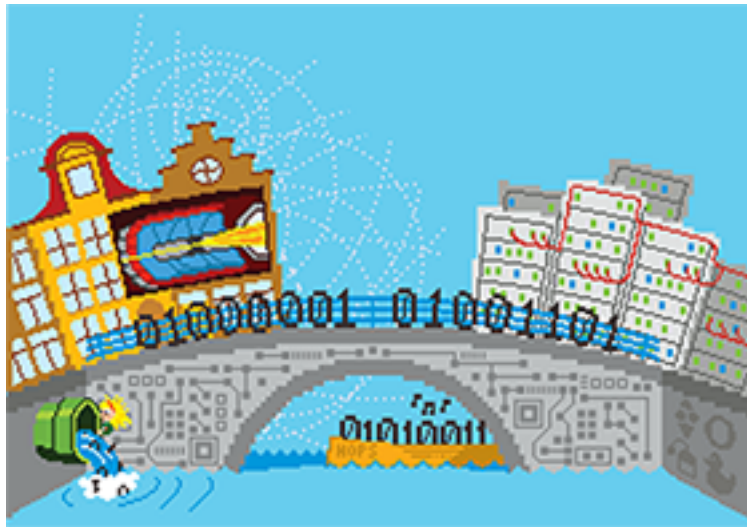# ISOTDAQ 2017 - International School of Trigger and Data AcQuisition

Report of Contributions

Contribution ID: **0**   Type: **not specified**

Introduction to detector readout

Monday, 30 January 2017 09:15 (1 hour)

Summary

Presenter: UNEL, Gokhan (University of California Irvine (US))

Contribution ID: **1**　　　　　　　　　　　　　　　　　　　　Type: **not specified**

Introduction to data acquisition

Monday, 30 January 2017 10:15 (45 minutes)

Summary

Presenter: NEGRI, Andrea (Universita e INFN, Pavia (IT))

Contribution ID: **2**　　　　　　　　　　　　　　　　　　　Type: **not specified**

Introduction to trigger

Monday, 30 January 2017 11:30 (1 hour)

Summary

Presenter:　　THEA, Alessandro (STFC - Rutherford Appleton Lab. (GB))

Contribution ID: **3** Type: **not specified**

DAQ hardware

Monday, 30 January 2017 13:15 (1 hour)

Summary

Presenter: NEGRI, Andrea (Universita e INFN, Pavia (IT))

Contribution ID: **4**　　　　　　　　　　　　　　　　　　Type: **not specified**

Lab Session 5

Thursday, 2 February 2017 13:30 (2 hours)

Contribution ID: **5**   Type: **not specified**

Closing

Tuesday, 7 February 2017 12:30 (30 minutes)

Summary

Presenters: BORGA, Andrea (Nikhef National institute for subatomic physics (NL)); JOOS, Markus (CERN)

Contribution ID: **6**　　　　　　　　　　　　　　　　　　　　Type: **not specified**

Introduction to VME bus

Monday, 30 January 2017 16:30 (1 hour)

Summary

Presenter:　JOOS, Markus (CERN)

Contribution ID: **8**　　　　　　　　　　　　　　　　　　　　Type: **not specified**

Microcontrollers

Tuesday, 31 January 2017 11:30 (1 hour)

Summary

Presenter:　FEO, Mauricio (CBPF - Brazilian Center for Physics Research (BR))

Contribution ID: **9** Type: **not specified**

Trigger hardware

Monday, 30 January 2017 14:15 (1 hour)

Summary

Presenter: THEA, Alessandro (STFC - Rutherford Appleton Lab. (GB))

Contribution ID: **10** Type: **not specified**

LabVIEW

Friday, 3 February 2017 10:00 (1 hour)

Summary

Presenter: Mr EL MEHDI, Afif (National Instruments)

Contribution ID: **11**　　　　　　　　　　　　　　　　　　　　　　Type: **not specified**

GPU in HEP: online high quality trigger processing

Tuesday, 7 February 2017 10:30 (1 hour)

Summary

Presenter:　LAMANNA, Gianluca (Istituto Nazionale Fisica Nucleare Frascati (IT))

Contribution ID: **12**　　　　　　　　　　　　　　　　　　Type: **not specified**

Lab Session 1

Tuesday, 31 January 2017 13:30 (2 hours)

Summary

Contribution ID: **13**　　　　　　　　　　　　　　　　　　　Type: **not specified**

Lab Session 2

Tuesday, 31 January 2017 16:00 (2 hours)

Contribution ID: **14**　　　　　　　　　　　　　　　　　　Type: **not specified**

Secret Lab 14

Monday, 6 February 2017 20:00 (2 hours)

For the die-hard ones only...

Summary

Presenters:　LUPU, Elena-Sorina (EPFL);　BARROS MARIN, Manoel (CERN)

Contribution ID: **15**   Type: **not specified**

Welcome

Monday, 30 January 2017 09:00 (10 minutes)

- a few words from the director of Nikhef

Summary

Presenter: BENTVELSEN, Stan (Nikhef National institute for subatomic physics (NL))

Contribution ID: **16**
Type: **not specified**

Modular electronics

Monday, 30 January 2017 17:30 (1 hour)

Summary

Presenter: JOOS, Markus (CERN)

Contribution ID: **17**　　　　　　　　　　　　　　　　　　Type: **not specified**

DAQ software

Wednesday, 1 February 2017 11:30 (1 hour)

Summary

Presenter:　PASQUALUCCI, Enrico (Universita e INFN, Roma I (IT))

Contribution ID: **18**   Type: **not specified**

TDAQ design: from test beam to medium size experiment

Sunday, 5 February 2017 11:30 (1 hour)

Summary

Presenter: FERRARI, Roberto (INFN Pavia (IT))

Contribution ID: **19**   Type: **not specified**

A scalable, portable DAQ system design

Thursday, 2 February 2017 10:00 (1 hour)

Summary

Presenter: PURSCHKE, Martin Lothar (Brookhaven National Laboratory (US))

Contribution ID: **20**　　　　　　　　　　　　　　Type: **not specified**

Lab Session 3

Wednesday, 1 February 2017 13:30 (2 hours)

Contribution ID: **21**

Type: **not specified**

Lab Session 4

Wednesday, 1 February 2017 16:00 (2 hours)

Contribution ID: **22**　　　　　　　　　　　　　　　　Type: **not specified**

Programming for today's physicist and engineers

Wednesday, 1 February 2017 09:00 (1 hour)

Summary

Presenter:　LINGEMANN, Joschka (CERN)

Contribution ID: **23**　　　　　　　　　　　　　　　　　Type: **not specified**

Threaded programming

Wednesday, 1 February 2017 10:00 (1 hour)

Summary

Presenter:　OZCAN, Erkcan (Bahcesehir University BAU (TR))

Contribution ID: **24**　　　　　　　　　　　　　　　　　Type: **not specified**

Lab Session 6

Thursday, 2 February 2017 16:00 (2 hours)

Contribution ID: **25**   Type: **not specified**

Introduction to FPGAs

Tuesday, 31 January 2017 09:00 (1 hour)

Summary

Presenter: SAKULIN, Hannes (CERN)

Contribution ID: **26**　　　　　　　　　　　　　　　　　　　　Type: **not specified**

Advanced FPGA programming

Tuesday, 31 January 2017 10:00 (1 hour)

Summary

Presenter:　BARROS MARIN, Manoel (CERN)

Contribution ID: **27**   Type: **not specified**

Intelligent triggering: pattern recognition with Associative Memories and other tools

Monday, 6 February 2017 09:00 (1 hour)

Summary

Presenter: KORDAS, Kostas (Aristotle Univ. of Thessaloniki (GR))

Contribution ID: **29**   Type: **not specified**

Design and implementation of a monitoring system

Sunday, 5 February 2017 10:00 (1 hour)

Summary

Presenter: KOLOS, Serguei (University of California Irvine (US))

Contribution ID: **30** Type: **not specified**

The TDAQ system of the MEG Experiment

Thursday, 2 February 2017 11:30 (1 hour)

Summary

Presenter: GALLI, Luca (INFN)

Contribution ID: **31**　　　　　　　　　　　　　　　　　Type: **not specified**

Lab Session 7

Friday, 3 February 2017 13:30 (2 hours)

Contribution ID: **32**   Type: **not specified**

Lab Session 8

Friday, 3 February 2017 16:00 (2 hours)

Contribution ID: **33**   Type: **not specified**

Timing for DAQ

Tuesday, 7 February 2017 09:00 (1 hour)

Summary

Presenter: JANSWEIJER, Peter (Nikhef National institute for subatomic physics (NL))

Contribution ID: **34**　　　　　　　　　　　　　　　　　　Type: **not specified**

Lab Session 9

Sunday, 5 February 2017 13:30 (2 hours)

Contribution ID: 35

Type: **not specified**

Lab Session 10

Sunday, 5 February 2017 16:00 (2 hours)

Contribution ID: **36**　　　　　　　　　　　　　　　　　Type: **not specified**

Lab Session 11

Monday, 6 February 2017 10:30 (2 hours)

Contribution ID: **37**   Type: **not specified**

Introduction to the design of full-custom Front-End & data transmission ASICs

Friday, 3 February 2017 08:30 (1h 30m)

Summary

Presenter: COBANOGLU, Ozgur (Senior Research Scientist, İSKO Division of SANKO Holding)

Contribution ID: **38**   Type: **not specified**

An Introduction to medical imaging devices

Friday, 3 February 2017 11:30 (1 hour)

Summary

Presenter: PURSCHKE, Martin Lothar (Brookhaven National Laboratory (US))

Contribution ID: **39** Type: **not specified**

TDAQ for the LHC experiments and upgrades

Tuesday, 7 February 2017 11:30 (1 hour)

Summary

Presenter: PASTORE, Francesca (Royal Holloway, University of London)

Contribution ID: **40**　　　　　　　　　　　　　　　　　　　　Type: **not specified**

Lab Session 12

Monday, 6 February 2017 13:30 (2 hours)

Contribution ID: **41** Type: **not specified**

Lab Session 13

Monday, 6 February 2017 16:00 (2 hours)

Contribution ID: **42**　　　　　　　　　　　　　　　　Type: **not specified**

TGIF moments

Friday, 3 February 2017 11:00 (5 minutes)

Time to speak about fun activities for the weekend!

Summary

Presenter:　BORGA, Andrea (Nikhef National institute for subatomic physics (NL))

Contribution ID: **43**   Type: **not specified**

School preparation and lab setups

Sunday, 29 January 2017 12:00 (5 hours)

- ** only for tutors and lecturers **
- students are expected to show up on Monday for the registration

Summary

Contribution ID: **44**   Type: **not specified**

Networking for data acquisition systems

Monday, 30 January 2017 15:15 (45 minutes)

Summary

Presenter: FRESSARD-BATRANEANU, Silvia-Maria (CERN)

Contribution ID: 45   Type: **not specified**

Keysight techology pitch

Tuesday, 31 January 2017 12:30 (10 minutes)

Summary

Presenter: SUTORIUS, Gustaaf (Keysight)

Contribution ID: **46**   Type: **not specified**

Introduction to ISOTDAQ2017

Monday, 30 January 2017 09:10 (5 minutes)

- from the local organizers

Summary

Presenter: BORGA, Andrea (Nikhef National institute for subatomic physics (NL))