

TALENT Summer School

Report of Contributions

Contribution ID: 0

Type: **not specified**

Work Package 3

Contribution ID: 1

Type: **not specified**

Welcome words

Monday, 3 June 2013 09:00 (15 minutes)

Presenter: PERNEGGER, Heinz (CERN)

Contribution ID: 2

Type: **not specified**

Invited lecture: Pixel detectors in High Energy Physics experiments: present day systems and upgrade plans

Monday, 3 June 2013 14:00 (1 hour)

Presenter: RIEDLER, Petra (CERN)

Session Classification: Invited Lectures

Contribution ID: 3

Type: **not specified**

Invited lecture: Mechanical engineering aspects for ultra-light tracking detectors

Tuesday, 4 June 2013 15:00 (1 hour)

Presenter: GARGIULO, Corrado (CERN)

Session Classification: Invited Lectures

Contribution ID: 4

Type: **not specified**

Invited lecture: QA and Reliability of silicon trackers

Monday, 3 June 2013 16:30 (1 hour)

Presenter: HONMA, Alan (CERN)

Session Classification: Invited Lectures

Contribution ID: 5

Type: **not specified**

Invited lecture: Radiation Hard Front-End electronics

Tuesday, 4 June 2013 14:00 (1 hour)

Presenter: FACCIO, Federico (CERN)

Session Classification: Invited Lectures

Contribution ID: 6

Type: **not specified**

Invited lecture: Micro-technologies for particle detectors

Tuesday, 4 June 2013 16:30 (1 hour)

Presenter: MAPELLI, Alessandro (CERN)

Session Classification: Invited Lectures

Contribution ID: 7

Type: **not specified**

Invited lecture: Hybrid pixel detectors: from HEP to imaging and other applications and back again

Monday, 3 June 2013 15:00 (1 hour)

Presenter: CAMPBELL, Michael (CERN)

Session Classification: Invited Lectures

Contribution ID: 8

Type: **not specified**

How to make a presentation

Contribution ID: 9

Type: **not specified**

Making a 2min pitch talk

Contribution ID: **10**

Type: **not specified**

New Business Development and Case Studies

Contribution ID: 11

Type: **not specified**

New Business Development and Case Studies

Contribution ID: 12

Type: **not specified**

New Business Development and Case Studies - Workshop

Contribution ID: 13

Type: **not specified**

Presentation Skills

Contribution ID: 14

Type: **not specified**

Feedback session

Friday, 14 June 2013 09:00 (2h 30m)

TALENTed students' feedback to event organisers regarding Summer School.

Presenter: PERNEGGER, Heinz (CERN)

Contribution ID: 15

Type: **not specified**

Pixel Week

Thursday, 13 June 2013 09:00 (4h 30m)

Contribution ID: 16

Type: **not specified**

Presenting the created material

Contribution ID: 17

Type: **not specified**

Pixel Week

Tuesday, 11 June 2013 09:00 (9 hours)

Contribution ID: **18**

Type: **not specified**

Pixel Week

Wednesday, 12 June 2013 09:00 (9 hours)

Contribution ID: 19

Type: **not specified**

How to make a presentation

Contribution ID: 20

Type: **not specified**

Introduction to assignments in the afternoon and forming groups

Contribution ID: 21

Type: **not specified**

Communication Skills training

Contribution ID: 22

Type: **not specified**

Optical data transmission in HEP

Presenter: FLICK, Tobias (Bergische Universitaet Wuppertal (DE))

Contribution ID: 23

Type: **not specified**

Micro integration of electronics - from bump bonding to 3D stacking

Presenter: FRITZSCH, Thomas (Fraunhofer IZM)

Contribution ID: 24

Type: **not specified**

Overview of communication

Presenter: Mrs MARCELLONI DE OLIVEIRA, Claudia (University of Birmingham (GB))

Contribution ID: 25

Type: **not specified**

Popular science communication

Presenter: TBA

Contribution ID: 26

Type: **not specified**

Presenting yourself and your work

Presenter: Mrs MARCELLONI DE OLIVEIRA, Claudia (University of Birmingham (GB))

Contribution ID: 27

Type: **not specified**

Introduction of the complementary skills' training module structure

Monday, 10 June 2013 09:00 (15 minutes)

Presenter: KAUTTU, Pietari (Bgator)

Contribution ID: 28

Type: **not specified**

Overview of communication - Understanding your audience and the platform you are using. How to make your point and get your message across effectively

Monday, 10 June 2013 09:15 (45 minutes)

How does the target audience (peers, non-scientists, media) affect your communication?

Presenter: Mrs MARCELLONI DE OLIVEIRA, Claudia (University of Birmingham (GB))

Session Classification: Presenting yourself and your research

Contribution ID: 29

Type: **not specified**

Popular science communication

Monday, 10 June 2013 10:00 (40 minutes)

Researchers speak their own language. How to convey the essential message to the general public?

Presenter: SUTTON, Christine (CERN)

Session Classification: Presenting yourself and your research

Contribution ID: 30

Type: **not specified**

Presenting yourself and your work

How to make your point and get your message through in 2 minutes? How to be self-confident and inspiring while talking about your work to the public?

Presenter: Mrs MARCELLONI DE OLIVEIRA, Claudia (University of Birmingham (GB))

Contribution ID: 31

Type: **not specified**

The use of social media in your science communication

Monday, 10 June 2013 11:00 (30 minutes)

What, why and how?

Presenter: KAHLE, Kate (CERN)

Session Classification: Dealing with media

Contribution ID: 32

Type: **not specified**

Dealing with journalists and reporters & making your research available for media

Monday, 10 June 2013 11:30 (40 minutes)

How to get media's attention? How to give an interview for a newspaper or television? After this session you will master the dos and the don'ts.

Presenter: HILLS, Stephanie (STFC and CERN)

Session Classification: Dealing with media

Contribution ID: 33

Type: **not specified**

Win-win visits, from school children to VIPs. How to give a tour that counts?

Monday, 10 June 2013 12:10 (30 minutes)

How to meet visitors and to make the most of their visit?

Presenter: STORR, Mick (CERN)

Session Classification: Addressing general public in multiple ways I

Contribution ID: 34

Type: **not specified**

Scientific visualization

Monday, 10 June 2013 14:00 (30 minutes)

An image speaks louder than 1000 words. But how many words does a video equal to?

Presenter: LANDUA, Rolf (CERN)

Session Classification: Addressing general public in multiple ways II

Contribution ID: 35

Type: **not specified**

How to create an interactive science show?

Monday, 10 June 2013 14:30 (30 minutes)

See, hear, touch and feel the science.

Presenter: GAUMER, Olivier (Universite de Geneve (CH))

Session Classification: Addressing general public in multiple ways II

Contribution ID: 36

Type: **not specified**

Wrap-up session and instructions for the upcoming hands-on training & example cases on presenting your scientific work

Monday, 10 June 2013 15:00 (30 minutes)

Presenters: DAY, Hugo Alistair (University of Manchester (GB)); KAUTTU, Pietari (Bgator)

Session Classification: Addressing general public in multiple ways II

Contribution ID: 37

Type: **not specified**

Hands-on training exercise and group assignment: TALENTed outreach

Monday, 10 June 2013 15:45 (2h 15m)

Now it is time to show what you have learned during the day. Prepare a 3-minute outreach talk to present your current research work or a future research idea. The talks will be structured in a comprehensive and attractive way and trained in small groups to be ready for Thursday's filming session.

Presenters: SUTTON, Christine (CERN); Mrs MARCELLONI DE OLIVEIRA, Claudia (University of Birmingham (GB)); STORR, Mick (CERN); KAUTTU, Pietari (Bgator); LANDUA, Rolf (CERN); HILLS, Stephanie (STFC and CERN)

Session Classification: Practical excercises

Contribution ID: 38

Type: **not specified**

The speech roulette - TALENTed outreach presentations

Thursday, 13 June 2013 14:00 (4 hours)

Everyone presents their prepared 3-minute speech supported by max 2 power point slides or other material if needed. The presentations are filmed. Each student in the audience writes a short feedback about each presentation for the chairman of the session. At the end of the session the science communication professionals give feedback regarding the presentations. The speeches are then edited and disseminated through the TALENT website; they will also be made available to the European Commission which funds TALENT.

Presenters: Mrs MARCELLONI DE OLIVEIRA, Claudia (University of Birmingham (GB)); STORR, Mick (CERN); KAUTTU, Pietari (Bgator); LANDUA, Rolf (CERN)

Session Classification: Hands-on outreach exercise session

Contribution ID: 39

Type: **not specified**

A small team joins CERN Google + Hangout with CERN Communication Group!

Thursday, 13 June 2013 16:30 (1h 30m)

For the 3 presenters, transportation back to CERN for the Google + Hangout session will be provided.

Session Classification: Hands-on outreach exercise session

Contribution ID: 40

Type: **not specified**

End of TALENT Summer School

Contribution ID: 41

Type: **not specified**

Optical data transmission in HEP

Monday, 3 June 2013 09:15 (45 minutes)

Presenter: FLICK, Tobias (Bergische Universitaet Wuppertal (DE))

Session Classification: Work Package 2: Sensors and Work Package 3: Electronics

Contribution ID: 42

Type: **not specified**

Micro integration of electronics - from bump bonding to 3D stacking

Monday, 3 June 2013 10:00 (45 minutes)

Presenter: FRITZSCH, Thomas (Fraunhofer IZM)

Session Classification: Work Package 2: Sensors and Work Package 3: Electronics

Contribution ID: 43

Type: **not specified**

Basics of IC design

Monday, 3 June 2013 11:00 (45 minutes)

Presenter: HAVRANEK, Miroslav (Universitaet Bonn (DE))

Session Classification: Work Package 2: Sensors and Work Package 3: Electronics

Contribution ID: 44

Type: **not specified**

Monolithic Pixel Detectors

Monday, 3 June 2013 11:45 (45 minutes)

Presenter: PERIC, Ivan (Ruprecht-Karls-Universitaet Heidelberg (DE))

Session Classification: Work Package 2: Sensors and Work Package 3: Electronics

Contribution ID: 45

Type: **not specified**

The ATLAS Upgrade Programme from now to Phase 2

Tuesday, 4 June 2013 09:00 (30 minutes)

Presenter: PERNEGGER, Heinz (CERN)

Session Classification: Work Package 4: New mechanical integration methods

Contribution ID: 46

Type: **not specified**

Silicon detector heat sources and CO₂ cooling

Tuesday, 4 June 2013 09:30 (30 minutes)

Presenter: Dr HESSEY, Nigel (NIKHEF (NL))

Session Classification: Work Package 4: New mechanical integration methods

Contribution ID: 47

Type: **not specified**

Detector testing

Tuesday, 4 June 2013 11:00 (45 minutes)

Presenter: DOBOS, Daniel (CERN)

Session Classification: Work Package 5: Detector performance and system integration

Contribution ID: 48

Type: **not specified**

From Pixel response to Physics

Tuesday, 4 June 2013 11:45 (45 minutes)

Presenter: DJAMA, Fares (CNRS/IN2P3 CPPM - Aix-Marseille Univ.)

Session Classification: Work Package 5: Detector performance and system integration

Contribution ID: 49

Type: **not specified**

Finite Element Analysis and Computational Fluid Dynamics with IBL thermal mock up as example

Tuesday, 4 June 2013 10:00 (30 minutes)

Presenter: SCIUCCATI, Augusto (Universite de Geneve (TALENT ER))

Session Classification: Work Package 4: New mechanical integration methods

Contribution ID: 50

Type: **not specified**

ATLAS visit

Friday, 7 June 2013 09:30 (2h 15m)

Meeting in front of the Globe (building 80) 15 min before your tour

Safety rules

- closed, flat or block-heeled shoes are required for the site visits
- helmets will be provided
- access to underground areas is not authorized for pacemaker wearers nor pregnant women
- access to underground areas is not authorized for people under 16

Contribution ID: 51

Type: **not specified**

Feedback session

Closing Words, Group picture & networking.

Presenter: PERNEGGER, Heinz (CERN)

Contribution ID: 52

Type: **not specified**

Practical information on ATLAS visit and dinner

Thursday, 6 June 2013 08:40 (20 minutes)

Presenter: POIKELA, Hanna