

**CERN-ICEC-STFC Burying the  
Complexity: Re-Engineering  
for the Next Generation of  
Medical Linear Accelerators  
for Use in Challenging  
Environments**

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Welcome and Introductions

*Thursday 22 March 2018 09:00 (5 minutes)*

**Presenter:** JAMIESON, Charlotte

**Session Classification:** Session 1

Contribution ID: 2

Type: **not specified**

## **Overview of “Novel Linac” Project and How it Fits within the Complex System of Global Cancer Care**

*Thursday 22 March 2018 09:05 (25 minutes)*

**Presenters:** DOSANJH, Manjit (CERN); COLEMAN, C Norman

**Session Classification:** Session 1

Contribution ID: 3

Type: **not specified**

## **Challenges in Treating Patients with Cancer in Botswana and Recommendations/Visions for the Future**

*Thursday 22 March 2018 09:30 (15 minutes)*

**Presenter:** GROVER, Surbhi

**Session Classification:** Session 1

Contribution ID: 4

Type: **not specified**

## **Challenges in Treating Patients with Cancer in Kenya and Recommendations/Visions for the Future**

*Thursday 22 March 2018 09:45 (15 minutes)*

**Presenter:** NGIGI, Ejidio

**Session Classification:** Session 1

Contribution ID: 5

Type: **not specified**

## **Discussion: Short- and Long-term Strategies to Achieve Goals for the Treatment of Patients with Cancer in ODA Countries**

*Thursday 22 March 2018 10:00 (20 minutes)*

**Presenter:** ARUAH, Simeon Chinedu

**Session Classification:** Session 1

Contribution ID: 6

Type: **not specified**

## Goals of this workshop

*Thursday 22 March 2018 10:20 (10 minutes)*

**Presenter:** JAMIESON, Charlotte

**Session Classification:** Session 1

Contribution ID: 15

Type: **not specified**

## **Next Steps, Concluding Remarks and Adjournment**

*Friday 23 March 2018 16:00 (30 minutes)*

**Presenters:** COLEMAN, C Norman; JAMIESON, Charlotte; DOSANJH, Manjit (CERN)



Contribution ID: 17

Type: **not specified**

## Tour of Daresbury Laboratory

*Wednesday 21 March 2018 15:00 (2 hours)*

transport TBA

Contribution ID: 18

Type: **not specified**

## **Study of Accelerator Technology Options**

**Presenters:** WHEELHOUSE, Alan; MCINTOSH, Peter (STFC)

**Session Classification:** Session 2

Contribution ID: 19

Type: **not specified**

## **Robust Permanent Magnet Beam Delivery Systems for Medical Radiotherapy Linacs**

*Thursday 22 March 2018 13:30 (1 hour)*

**Presenters:** SHEEHY, Suzie (University of Oxford and STFC/ASTeC/RAL); KONOPLEV, Ivan (University of Oxford)

**Session Classification:** Session 3

Contribution ID: 20

Type: **not specified**

# **RF Power Systems and Optimized RF Structures for Electron Beam Acceleration**

*Thursday 22 March 2018 14:30 (1 hour)*

**Presenters:** KONOPLEV, Ivan (University of Oxford); SHEEHY, Suzie (University of Oxford and STFC/ASTeC/RAL)

**Session Classification:** Session 4

Contribution ID: 21

Type: **not specified**

## **Linear Accelerator Simulations for Stable and Sustainable Operation of Developing Country Radiotherapy Linear Accelerators**

*Thursday 22 March 2018 16:00 (1h 30m)*

**Presenters:** BOOGERT, Stewart Takashi (Royal Holloway, University of London); CARLONE, Marco

**Session Classification:** Session 5

Contribution ID: 22

Type: **not specified**

## **Re-cap of Sessions 2-5: Where We Are and Where We Need to Go**

*Friday 23 March 2018 09:00 (1h 30m)*

**Presenters:** VAN DYK, Jake; RATOFF, Peter (Lancaster University); WUENSCH, Walter (CERN)

**Session Classification:** Session 6

Contribution ID: 23

Type: **not specified**

## **Cloud-based Electronic Infrastructure in Support of Linac-based Radiotherapy in Challenging Environments**

*Friday 23 March 2018 11:00 (1 hour)*

**Presenters:** AGGARWAL, Ajay Aggarwal; PALTA, Jatinder

**Session Classification:** Session 7

Contribution ID: 24

Type: **not specified**

## **Re-engineering for the Next Generation of Medical Linear Accelerators (Co-moderators: Paul Collier, David Jaffray, Ceferino Obcemea and Andy Wolski)**

*Friday 23 March 2018 13:00 (2h 30m)*

**Presenters:** WOLSKI, Andy; OBCEMEA, Ceferino; JAFFRAY, David; COLLIER, Paul (CERN)

**Session Classification:** Session 8



Contribution ID: 25

Type: **not specified**

## **Reflections on the Workshop and Further Visions for Treatment of Patients with Cancer in ODA Countries – ODA Representatives**

*Friday 23 March 2018 15:30 (30 minutes)*

**Presenter:** DOSANJH, Manjit (CERN)

**Session Classification:** Session 9

Contribution ID: 26

Type: **not specified**

# Overview of Technology Options Study

*Thursday 22 March 2018 11:00 (15 minutes)*

**Presenter:** MCINTOSH, Peter

**Session Classification:** Session 2

Contribution ID: 27

Type: **not specified**

## **RTT Platform specification assesment**

*Thursday 22 March 2018 11:15 (20 minutes)*

**Presenter:** APSIMON, Robert James (Lancaster University (GB))

**Session Classification:** Session 2

Contribution ID: 28

Type: **not specified**

## **ODA country operation perspectives**

*Thursday 22 March 2018 11:35 (15 minutes)*

**Presenter:** FOY, Hubert

**Session Classification:** Session 2

Contribution ID: 29

Type: **not specified**

## **Preliminary technology option data capture**

*Thursday 22 March 2018 11:50 (20 minutes)*

**Presenter:** BURT, Graeme (Lancaster University)

**Session Classification:** Session 2

Contribution ID: **30**

Type: **not specified**

## **Discussion**

*Thursday 22 March 2018 12:10 (20 minutes)*

**Session Classification:** Session 2