



1st ESTRO Physics workshop: Science in development

17th-18th November 2017, Glasgow (Scottish Event Campus, Exhibition Way)

Automate or Perish

Workshop chairs: Ben Heijmen (NL) and Dirk Verellen (BE)

Day 1	Friday 17 November
08.30	Registration
Room: Lomond 10:00- 10:15	Introduction of the meeting. <i>Nuria Jornet (ES), Physics Committee Chair</i> Welcome remarks from Glasgow, <i>Professor Dame Anna Dominiczak</i>
10:15- 11:00	Opening lecture, chair: Claudio Fiorino (IT), All participants The adaptive medical physicist: new challenges, new needs, new roles. David Thwaites (AU)
<i>Breakout into different topics registered for</i>	
Room: Leven 11:15-13:15	Introduction to Automate or Perish Project pitches and discussions. Topics: i) Auto-segmentation ii) Planning automation iii) Workflow automation, incl. plan QA, machine QA, ART, and software development.
13:15-14:30	Lunch/commercial symposia
14:30-16:30	Project pitches and discussions, continues
16:30 -17:00	Coffee
Room: Lomond 17:00-18:00	Wrap up of the different topic workshops (10 min per topic) <ul style="list-style-type: none"> ▪ Medical physics research, GATE Monte Carlo simulations and treatment planning development for therapy with scanned particle beams ▪ Dosimetry audit in radiation oncology - where to next? ▪ In vivo dosimetry methods for external beam radiotherapy and brachytherapy ▪ Micro and nano dosimetry for radiotherapy

	<ul style="list-style-type: none"> ▪ Automate or perish
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Social Event

Day 2	Saturday 18 November
Room: Leven 08:00 - 10:00	Separate discussions on <ul style="list-style-type: none"> i) Auto-segmentation ii) Planning automation iii) Workflow automation, incl. plan QA, machine QA, ART, and software development.
10:00-10:30	Coffee
10:30-12:30	Separate discussions, continues
12:30 - 14:00	Lunch/commercial symposia
14:00 - 15:00	Discussion on next steps
Room: Lomond 15:00 - 16:00	Wrap up of the different topic workshops (10 min per topic) <ul style="list-style-type: none"> ▪ Medical physics research, GATE Monte Carlo simulations and treatment planning development for therapy with scanned particle beams ▪ Dosimetry audit in radiation oncology - where to next? ▪ In vivo dosimetry methods for external beam radiotherapy and brachytherapy ▪ Micro and nano dosimetry for radiotherapy ▪ Automate or perish
16:00- 16:15	Closure

ESTRO Physics Committee thanks:

Our sponsors: Varian Medical Systems for their support in the organization of this workshop

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