RadMed2023
Radiation in Medicine Courses & Workshops

Scripting: Introduction to Radiotherapy Planning Automation

14 February 2023
Post Graduate Centre, KFSH&RC, Riyadh

Scientific Track Director:
Ahmad Nobah, MSc

SCAN ME
FOR REGISTRATION

SCAN ME
FOR INFORMATION

Speaker

Matthew Schmidt, PhD

**Medical Physicist/Programmer,
Assistant Professor, Radiation Oncology
Chief, Quality Assurance
Washington University School of
Medicine in St. Louis
St. Louis, Missouri, USA**

** It is mandatory for the participants to
have an experience in Eclipse planning*

Program Schedule

14 February 2023; Tuesday

SESSION 1

08:00 AM - 09:00 AM	Getting Started: Logging into the Virtual Machines and Accessing Eclipse. Installing Visual Studio and Downloading Any Software Packages Required
09:00 AM - 09:45 AM	Introduction to Eclipse Scripting API. Clinical Use Cases of API Facilitated Planning Item Access
09:45 AM - 10:00 AM	Morning Break

SESSION 2

10:00 AM - 12:00 PM	Introduction to Eclipse Scripting API. Access to RT Plan Details, Images, and Doses
12:00 PM - 01:00 PM	Prayer and Lunch Break

SESSION 3

01:00 PM - 01:30 PM	Automated Plan Evaluation of Radiation Therapy Plans
01:30 PM - 03:15 PM	Building a Simple Plan Checker: Plan Checking from Templates
03:15 PM - 03:30 PM	Prayer and Afternoon Break

SESSION 4

03:30 PM - 04:30 PM	Source: Plan Evaluation Using Planning Scorecards
04:30 PM - 05:30 PM	Visual Scripting for Plan Reporting
05:30 PM - 06:00 PM	Wrap Up and Code Collection