**Program Outline**

**All sessions take place in the Evans Auditorium, unless otherwise noted.**

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| **FRIDAY, JUNE 9** | | | | |
| **5:00pm - 6:30pm Dinner, Templeton Campus Center 7:00pm - 8:30pm Icebreaker Reception, Stamm Meeting Room** | | | | |
| **SATURDAY, JUNE 10** | | | | |
| **7:30am-8:00am Breakfast, Templeton Campus Center** | | | | |
| 8:00am - 8:20am | **Welcome** Mark Rivard | |  |  |
| **LDR Prostate I** (Butler) 8:20am - 9:20am SAM | Imaging and Targeting | Sloboda |  |  |
| Planning | Batchelar |  |  |
| Needle Loading Options - QA | Todor |  |  |
| Seed Implanters | Rivard |  |  |
| Stranding: Pros and Cons | Butler |  |  |
| Source Localization (Fluoro/CT/MRI) | Siebert |  |  |
| **LDR Prostate II** (Butler) 9:20am - 9:50am SAM | Adaptive w/US or MRI | Sloboda |  |  |
| MBDCA | Beaulieu |  |  |
| Q & A | |  |  |
| **9:50am - 10:10am Coffee Break** | | | | |
| **LDR Prostate II** continued 10:10am - 10:50am | Radiobiology | Chen |  |  |
| Post-Implant Evaluation | Sloboda |  |  |
| ME | Ouhib |  |  |
| Q & A | |  |  |
| **MBDCA Theory**(Beaulieu) 10:50am - Noon SAM | Theory 1 (General) | Beaulieu |  |  |
| Theory 2 (GBBS) | Mourtada |  |  |
| Theory 3 (CC) | Sloboda |  |  |
| Current Technology | Beaulieu |  |  |
| Commissioning Infrastructure | Rivard |  |  |
| Commissioning Process | Sloboda |  |  |
| Q & A | |  |  |
| **Noon - 1:00pm Lunch, Templeton Campus Center** | | | | |
| **1:30pm - 5:00pm Hands On Workshops - [see workshop schedule](https://www.aapm.org/meetings/2017SS/Workshops.asp) Workshops are located in either Stamm or Smith Hall. Each participant is pre-assigned. Please refer to your personal schedule.  Coffee Break 3:30pm - 4:00pm** | | | | |
| **5:30pm - 6:30pm Dinner, Templeton Campus Center** | | | | |
| **7:00pm - 8:30pm Refreshments and Informal Evening Discussion, Smith Hall** | | | | |
| **SUNDAY, JUNE 11** | | | | |
| **7:30am-8:00am Breakfast, Templeton Campus Center** | | | | |
| **General Planning I**(Libby) 8:00am - 9:50am SAM | Radiobiology 1 | Chen |  |  |
| Radiobiology 2 | Chen |  |  |
| Brachytherapy Targeting | Butler |  |  |
| Brachytherapy Treatment Planning | Libby |  |  |
| Guidance for Catheter Placement 1 | Richardson |  |  |
| Guidance for Catheter Placement 2 | Rownd |  |  |
| Interstitial Equipment | Butler |  |  |
| Localization and Reconstruction Issues - CT | Libby |  |  |
| Localization and Reconstruction Issues - MR | Kirisits |  |  |
| Q & A | |  |  |
| Optimization - Theory | Rivard |  |  |
| **9:50am - 10:10am Coffee Break** | | | | |
| **General Planning II**(Libby) 10:10am - Noon SAM | Optimization - Binary Stochastic | Cunha |  |  |
| Optimization - Binary Heuristic | Thomadsen |  |  |
| Optimization - Binary Deterministic | Cunha |  |  |
| Optimization - Continuous Analytic | Rownd |  |  |
| Optimization - Continuous Non-Analytic | Thomadsen |  |  |
| Q & A | |  |  |
| Plan Evaluation - DVH | Butler |  |  |
| Plan Evaluation - Interstitial Indices | Siebert |  |  |
| Plan Evaluation - Intracavitary Measures | Todor |  |  |
| Plan Evaluation - QA | Scanderbeg |  |  |
| Q & A | |  |  |
| **Noon - 1:00pm Lunch, Templeton Campus Center** | | | | |
| **1:30pm - 5:00pm Hands On Workshops - [see workshop schedule](https://www.aapm.org/meetings/2017SS/Workshops.asp) Workshops are located in either Stamm or Smith Hall. Each participant is pre-assigned. Please refer to your personal schedule.  Coffee Break 3:30pm - 4:00pm** | | | | |
| **5:30pm - 6:30pm Dinner, Templeton Campus Center** | | | | |
| **7:00pm - 8:30pm Refreshments and Informal Evening Discussion, Smith Hall** | | | | |
| **MONDAY, JUNE 12** | | | | |
| **7:30am-8:00am Breakfast, Templeton Campus Center** | | | | |
| **Breast I**(Todor) 8:00am - 9:10am SAM | Target and Goals | Todor |  |  |
| Interstitial Process | Scanderbeg |  |  |
| Interstitial Dosimetry | Batchelar |  |  |
| Intracavitary Process | Pai |  |  |
| Intracavitary Dosimetry | Todor |  |  |
| Intraop Process | Thomadsen |  |  |
| Q & A | |  |  |
| **Breast II**(Todor) 9:10am - 9:50am SAM | Plan Evaluation - QA | Pai |  |  |
| Treatment - QA | Ouhib |  |  |
| Radiobiology: RBE (eBT) | Fulkerson |  |  |
| MBDCA | Richardson |  |  |
| **9:50am - 10:10am Coffee Break** | | | | |
| **Breast II** continued 10:10am - 10:40am | eBT | Fulkerson |  |  |
| Surface Applicators | Rivard |  |  |
| Q & A | |  |  |
| **IMBT and** **eBT Sources** (Scanderbeg) SAM | | | | |
| **IMBT** 10:40am - 11:20am | Concepts/Static Shielding | Scanderbeg |  |  |
| Dynamic/Rotational Shielding | Richardson |  |  |
| Directional Sources | Thomadsen |  |  |
| Q & A | |  |  |
| **eBT Sources** 11:20am - Noon | Devices/Dosimetry 1 | Fulkerson |  |  |
| Devices/Dosimetry 2 | Pai |  |  |
| Electronic Source Strength | Rivard |  |  |
| Q & A | |  |  |
| **Noon - 1:00pm Lunch, Templeton Campus Center** | | | | |
| [**Free Afternoon!**](https://www.aapm.org/meetings/2017SS/FreeAfternoon.asp) | | | | |
| **5:30pm - 6:30pm Dinner, Templeton Campus Center** | | | | |
| **7:00pm - 8:30pm Night In Reception, Smith Hall** [**Local Artist Shep Gold**](http://shepgold.com/)**on acoustic guitar Local craft beer and wine experts on hand to share their knowledge** | | | | |
| **TUESDAY, JUNE 13** | | | | |
| **7:00am-8:00am Breakfast, Templeton Campus Center** | | | | |
| **HDR Prostate I**(Batchelar) 8:00am - 9:20am SAM | Approaches and Guidelines | Libby |  |  |
| CT-based Implants: Process | Cunha |  |  |
| CT-based Implants: Catheter Reconstruction | Siebert |  |  |
| CT-based Implants: Pre-Tx QA | Mourtada |  |  |
| US-based (live) Implants: Process | Batchelar |  |  |
| US-based (live) Implants: Catheter Reconstruction | Siebert |  |  |
| US-based (live) Implants: Pre-Tx QA | Batchelar |  |  |
| MRI-based (adaptive) Implants: Process and QA | Libby |  |  |
| **HDR Prostate II**(Batchelar) 9:20am - 9:50am SAM | Dosimetry | Siebert |  |  |
| Optimization | Batchelar |  |  |
| Q & A | |  |  |
| **9:50am - 10:10am Coffee Break** | | | | |
| **HDR Prostate II**continued 10:10am - 11:00am | Combo with EBRT | Libby |  |  |
| Radiobiology | Chen |  |  |
| QA | Richardson |  |  |
| Q & A | |  |  |
| **Early Clinical**(Cunha) 11:00am - Noon SAM | HDR/LDR Focal Therapy | Butler |  |  |
| *in vivo* Dosimetry | Beaulieu |  |  |
| 3D Printing (additive manufacturing) | Cunha |  |  |
| Needle Tracking | Damato |  |  |
| Robotics | Cunha |  |  |
| Q & A | |  |  |
| **Noon - 1:00pm Lunch, Templeton Campus Center** | | | | |
| **1:30pm - 5:00pm Hands On Workshops - [see workshop schedule](https://www.aapm.org/meetings/2017SS/Workshops.asp) Workshops are located in either Stamm or Smith Hall. Each participant is pre-assigned. Please refer to your personal schedule.  Coffee Break 3:30pm - 4:00pm** | | | | |
| **5:30pm - 6:30pm Dinner, Templeton Campus Center** | | | | |
| **7:00pm - 8:30pm Refreshments and Informal Evening Discussion, Smith Hall** | | | | |
| **WEDNESDAY, JUNE 14** | | | | |
| **7:00am-7:45am Breakfast, Templeton Campus Center Reminder: Bring your luggage to the auditorium;  all campus housing keys to be turned in at the AAPM registration desk before departure.** | | | | |
| **Morning Sessions in Evans Auditorium** | | | | |
| **Skin**(Fulkerson) 7:50am - 8:50am SAM | Goals | Ouhib |  |  |
| Imaging/Targeting | Ouhib |  |  |
| Molds and Flaps - Construction | Damato |  |  |
| Molds and Flaps - Planning and Treatment | Ouhib |  |  |
| Applicators - Planning and Treatment | Fulkerson |  |  |
| Q & A | |  |  |
| **GYN I** (Damato) 8:50am - 9:50am SAM | GYN Targeting HR-CTV | Kirisits |  |  |
| GYN Targeting IR-CTV | Kirisits |  |  |
| GYN OAR | Damato |  |  |
| Achieving GYN Optimization Goals | Mourtada |  |  |
| GYN Radiobiology | Chen |  |  |
| Q & A | |  |  |
| **9:50am - 10:20am Coffee Break** | | |  |  |
| **GYN II**(Damato) 10:20am - 11:50 SAM | Role of CT | Mourtada |  |  |
| MR Imaging | Damato |  |  |
| Role of US | Beaulieu |  |  |
| Potential Pitfalls | Thomadsen |  |  |
| Radiographic Approximation | Rownd |  |  |
| Conventional Targeting | Pai |  |  |
| Conventional OAR | Damato |  |  |
| PET and Other Imaging Tools | Scanderbeg |  |  |
| Combo with EBRT | Kirisits |  |  |
| Q & A | |  |  |
| 11:50am - Noon | **Wrap Up** | |  |  |
| **12:00 Noon Grab and Go Lunch** | | | | |