

This session will concentrate on the physics of phototimer design and testing. The reasons why phototimer performance in mammography is different from routine diagnostic phototiming will be discussed. The session will next focus on how several manufactures approach this problem. This will be followed by a review of the ACR phototimer testing protocols. Finally, additional testing methods that can help the medical physicist suggest ways to improve mammographic imaging will be discussed.

Objectives:

The participant will be able to:

- 1) Describe the physics of phototimer design
- 2) Be aware of common phototiming methods
- 3) Be familiar with the ACR/MQSA phototimer tests and standards
- 4) Be aware of additional testing that can lead to improved phototimer performance