

*Medical Imaging 2018*

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# ***Physics of Medical Imaging***

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- 10573 5Y **Photon counting performance of amorphous selenium and its dependence on detector structure** [10573-221]
- 10573 5Z **Detector output prediction for CT detector array manufacturing** [10573-222]

**POSTER SESSION: RADIOGRAPHY AND FLUOROSCOPY**

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- 10573 60 **Developing a database of 3D scattered radiation distributions for a C-arm fluoroscope as a function of exposure parameters and phantom** [10573-223]
- 10573 61 **Precision analysis of the noise power spectrum estimate in radiography imaging** [10573-224]
- 10573 62 **Oversampling digital radiography imaging based on the 2x2 moving average filter for mammography detectors** [10573-225]
- 10573 63 **Calculation of forward scatter dose distribution at the skin entrance from the patient table for fluoroscopically guided interventions using a pencil beam convolution kernel** [10573-226]
- 10573 65 **Initial investigations of a special high-definition (Hi-Def) zoom capability in a new detector system for neuro-interventional procedures** [10573-228]
- 10573 66 **Evaluation of methods of displaying the real-time scattered radiation distribution during fluoroscopically guided interventions for staff dose reduction** [10573-229]
- 10573 67 **Anti-scatter grid artifact elimination for high-resolution x-ray imaging detectors without a prior scatter distribution profile** [10573-230]
- 10573 68 **Use of high purity aluminum filter with different processing methods in the DQE measurement** [10573-231]
- 10573 69 **Quantitative analysis of age-dependent backscatter factor (BSF) in x-ray examinations with a Monte Carlo method using XCAT phantoms** [10573-232]