All tours start at the beginning of the poster sesson in the Hampton Roads Ballroom. Meet at the Poster Tour information poster.

PaperID	FirstName	LastName	Title
Session M-3	**MIC Posters 1**	**Wed. Nov. 13**	**13:30-15:00**
Tour 1	**Jeffrey**	**Fessler**	***University of Michigan***
M3-1	Catherine	Pepin	Investigation of the Properties of LYSO and Recent LSO Scintillators for Phoswich PET Detect
M3-6	Craig	Levin	Compact, low noise, fast, and low cost prototype readout electronics for a small positron em
M3-41	William	Jones	First Time Measurement of Transaxial Resolution for a New High-Sensitivity PET Prototype Us
M3-46	Bernd	Pichler	Detector Characterization and Detector Setup of a NaI-LSO PET/SPECT Camera
M3-71	Claude	Comtat	NEC-Scaling Applied to FORE+OSEM
M3-76	Emil	Sidky	Mathematical Formulation of the Potato Peeler Perspective
Tour 2	**Steven**	**Kohlmeyer**	***General Electric Medical Systems***
M3-116	Koichi	Ogawa	Collimator Design for Single Photon Emitter
M3-121	Xin	He	Evaluation and Optimization of Compensation Methods for Myocardial SPECT using a Set of R
M3-136	Evren	Asma	Temporal Resolution Properties of Dynamic PET Images
M3-141	Corinne	Groiselle	Using the bootstrap method to evaluate image noise for investigation of axial collimation in h
M3-156	Freek	Beekman	Design and simulation of micro-SPECT; a high resolution small animal molecular imaging syste
M3-161	George	Kastis	Compact CT/SPECT Small-Animal Imaging System
Tour 3	**Jeffrey**	**Yap**	***University of Pittsburgh***
M3-186	Roberto	Accorsi	Implementation of a single scatter simulation algorithm for 3D PET: application to emission ar
M3-191	Richard	Wassenaar	Phantom Studies Investigating Extravascular Density Imaging for Partial Volume Correction of
M3-231	Lisha	Zhang	Potential for High Performance Scintimammography
M3-246	Byungmoo	Song	Small size X pinch radiation source for application to phase-contrast x-ray radiography of biol
M3-251	Tianhu	Lei	A NEW INFORMATION CRITERION TO IMAGE REGION NUMBER DETECTION
Session M-6	**MIC Posters 2**	**Thur. Nov. 14**	**10:30-12:00**
Tour 1	**Michael**	**King**	***University of Massachusetts***
M6-2	Hartmut	Sadrozinski	INITIAL STUDIES on PROTON COMPUTED TOMOGRAPHY USING a SILICON STRIP DETECTOR TEL
M6-7	David	Schlyer	A Non-invasive LSO-APD Blood Radioactivity Monitor for PET Imaging Studies
M6-42	David	Brasse	Continuous bed motion acquisition on a whole body combined PET/CT system
M6-47	Mark	Lenox	Coincidence Time Alignment of High Resolution Planar Detectors
M6-72	Lifeng	Yu	A New Approach for Image Reconstruction with Improved Resolution and Noise Properties in I
Tour 2	**Robert**	**Harrison**	***University of Washington***
M6-117	Yong	Du	Optimization of acquisition energy windows in simultaneous Tc-99m/I-123 brain SPECT
M6-122	Manoj	Narayanan	Evaluation of the Impact of 4D Reconstruction Algorithms in QuantitativeDynamic SPECT

M6-137	Troy	Farncombe	Assessment of Scatter Compensation Strategies for Ga-67 Tumor SPECT Using Channelized H
M6-142	Jeff	Fessler	Channelized Hotelling Observer Performance for Penalized-Likelihood Image Reconstruction
M6-157	Christof	Knoess	Development of a LSO based Quality Check Procedure for the microPET Animal Scanner
Tour 3	**Bruce**	**Hasegawa**	***UCSF***
M6-162	Suleman	Surti	A-PET: A High Sensitivity Animal PET Camera
M6-187	Mariangela	Zamburlini	Impact of different realignment algorithms on the SPM analysis of [11C]Raclopride PET studie
M6-232	Caryl	Archer	Investigations of CPA Orbit Variants with a Dedicated Emission Mammotomograph
M6-247	Avraham	Dilmanian	Planar Radiography Comparing Tailored to Standard X-ray Spectra to Image Phantoms Filled w
M6-252	Finbarr	O'Sullivan	An Examination of the Statistical Reliability and Prognostic Potential of a Measure of 3-D Sp

Session M-7	**MIC Posters 3**	**Thur. Nov. 14**	**13:30-15:00**
Tour 1	**Stephen**	**Glick**	***University of Massachusetts***
M7-3	Jorge	Uribe	An Efficient Detector Production Method for Position-Sensitive Scintillation Detector Arrays v
M7-8	Martin	Janecek	Detector Identification through Light Separation for Miniature Imaging Probe
M7-43	Ramsey	Badawi	Count-rate dependent event mispositioning and NEC in PET
M7-48	Chuanyong	Bai	A Novel Linear-Non-Linear Model for the Conversion from CT Numbers to Linear Attenuation
M7-73	Jovan	Brankov	IMAGE-SEQUENCE SEGMENTATION BASED ON AN EM ALGORITHM FOR SIMILARITY CLUSTERING
M7-78	Thomas	Koehler	Evaluation of Helical Cone-Beam CT Reconstruction Algorithms
Tour 2	**Christopher**	**Thompson**	***Montreal Neurological Institute***
M7-118	Daniel	Gagnon	Maximum Area Sampling Scheme for SOLSTICE Rotating Slat Collimator System
M7-138	Paul	Kinahan	A Comparison of Planar versus Volumetric Numerical Observers for Detection Task Performan
M7-143	Mu	Chen	Comparison of Multi-slice CHO-HO Models and Human Observers in Defect Detection with SPE
M7-158	Robert	Miyaoka	RECENT PROGRESS IN THE DEVELOPMENT OF A MICRO CRYSTAL ELEMENT (MiCE) PET SYSTEM
M7-163	Chien-Min	Kao	Investigation of a Compact DOI-PET System for Small Animal Imaging
Tour 3	**Larry**	**Zeng**	***University of Utah***
M7-183	Brendan	Vastenhouw	Monte Carlo Based Down-Scatter Correction of SPECT attenuation maps
M7-188	Marie	Kijewski	The Effects of Resolution Recovery on Estimation of Binding Potential from Brain SPECT Imag
M7-233	Jennifer	Huber	Development of the LBNL Positron Emission Mammography Camera
M7-243	Chien-Min	Kao	Automated Alignment of 2D Serial Images for 3D Reconstruction of Biological Structures
M7-248	Nan	Zhang	Error Analysis in Crystal Irradiation Image Processes

Session M-10	**MIC Posters 4**	**Fri. Nov. 15**	**10:30-12:00**
Tour 1	**Glenn**	**Wells**	***Lawson Health Research Institute***
M10-4	Kanai	Shah	Position Sensitive APDs for Small Animal PET Imaging

M10-9	Peter	Bruyndonckx	Comparison Of Resolution, DOI And Sensitivity Of APD Based PET Detector Modules Based Or
M10-44	Jonathan	Carney	CT-based Attenuation Correction for PET/CT Scanners in the Presence of Contrast Agent
M10-49	Christof	Knoess	Evaluation of Depth of Interaction (DOI) for the High Resolution Research Tomograph (HRRT)
M10-74	Michel	Defrise	Improved 2D rebinning of helical cone-beam CT data using John's equation
Tour 2	**Margaret**	**Daube-Witherspoon**	***University of Pennsylvania***
M10-79	Bing	Bai	Fully 3D Resolution-Matched Transmission and Emission PET Image Reconstruction
M10-119	Vesna	Sossi	PET And SPECT Performance Evaluation Of The Siemens HD3 E.Camduet®: A 1” Na(I)
M10-139	Kisung	Lee	Impact of system design parameters on image figures of merit for a mouse scanner
M10-159	James	Goddard	Real-Time Landmark-Based Unrestrained Animal Tracking System for Motion-Corrected PET/S
Tour 3	**Christian**	**Michel**	***CPS Innovations***
M10-184	Zhiyu	Zhu	A Simulation Study of the Effect of Gating Scheme on Respiratory Motion Blurring in FDG Lun
M10-189	Nobuyuki	Kudomi	Model-based noninvasive estimation of arterial input function from dynamic H₂
M10-234	Maria Nerina	Cinti	Custom breast phantom for an accurate tumor SNR analysis
M10-244	Benjamin	Williams	Deblurring and Noise Suppression in Spatial EPR Imaging
M10-249	Kevin	Wells	Digital autoradiography imaging using direct irradiation of a CCD in the temperature range 27

Session M-11	**MIC Posters 5**	**Fri. Nov. 15**	**13:30-15:00**
Tour 1	**James**	**Bowsher**	***Duke University***
M11-5	Yiping	Shao	Dual scintillator detection method to solve PSPMT edge resolving problem
M11-40	Lars	Eriksson	On the Effect of X-rays on the PET Detectors in a PET/CT System
M11-65	James	Hamill	Fast PET EM Reconstruction from Linograms
M11-70	Tianfang	Li	Compensation for Non-Stationary Detector Response in Analytical Varying Focal Length Fan-E
M11-75	Sanida	Mustafovic	Comparison of Unconventional Inter-Iteration Filtering Methods to Penalised Likelihood for Spa
Tour 2	**Richard**	**Freifelder**	***University of Pennsylvania***
M11-110	Ira	Blevis	SMALL FIELD OF VIEW CZT GAMMA CAMERA
M11-130	Ryo	Haraguchi	Image Fusion and Display of CAG and Bull's Eye Map of Myocardial SPECT
M11-145	Paolo	Russo	Preliminary Tests of a Prototype System for Optical and Radionuclide Imaging in Small Animal
M11-150	Craig	Levin	Scintillation light collection studies with a new avalanche photodiode array and readout confi
Tour 3	**John**	**Aarsvold**	***Emory University***
M11-175	Mirko	Gombia	Physical Effects of Image Formation in Monte Carlo Simulations for Nuclear Medicine
M11-180	William	Segars	CT-PET Image Fusion using the 4D NCAT Phantom with the Purpose of Attenuation Correctio
M11-235	Anton	Tremsin	X-ray Dark Field Refraction-Contrast Imaging - a New Tool for Medical Imaging
M11-240	Masahiro	Endo	Development and Performance Evaluation of the First Model of 4D CT-Scanner