

*Medical Imaging 2008*

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# ***Physiology, Function, and Structure from Medical Images***

**Xiaoping P. Hu**  
**Anne V. Clough**  
*Editors*

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# Contents

xi	Conference Committee
xiii	In Memoriam: Sam Dwyer (1932–2008)

---

## SESSION 1    **CARDIOVASCULAR**

---

- 6916 02    **Fully automatic detection and visualization of patient specific coronary supply regions** [6916-01]  
D. Fritz, Siemens Medical Solutions (Germany); A. Wiedemann, R. Dillmann, Univ. of Karlsruhe (Germany); M. Scheuering, Siemens Medical Solutions (Germany)
- 6916 03    **Quantification of carotid arteries atherosclerosis using 3D ultrasound images and area-preserving flattened maps** [6916-02]  
B. Chiu, M. Egger, Robarts Research Institute (Canada) and Univ. of Western Ontario (Canada); J. D. Spence, Robarts Research Institute (Canada); G. Parraga, A. Fenster, Robarts Research Institute (Canada) and Univ. of Western Ontario (Canada)
- 6916 04    **Accelerated circumferential strain quantification of the left ventricle using CIRCOME: simulation and factor analysis** [6916-03]  
A. N. Moghaddam, David Geffen School of Medicine at Univ. of California, Los Angeles (USA) and California Institute of Technology (USA); J. P. Finn, David Geffen School of Medicine at Univ. of California, Los Angeles (USA)
- 6916 05    **Automatic selection of an optimal systolic and diastolic reconstruction windows for dual-source CT coronary angiography** [6916-04]  
H. Seifarth, M. Puesken, S. Wienbeck, D. Maintz, W. Heindel, K.-U. Juergens, Westfälische Wilhelms-Univ. Münster (Germany)
- 6916 06    **Evaluation of model-based blood flow quantification from rotational angiography** [6916-05]  
I. Waechter, Univ. College London (United Kingdom); J. Bredno, Philips Research Europe (Germany); R. Hermans, Philips X-Ray Predevelopment (Netherlands); J. Weese, Philips Research Europe (Germany); D. C. Barratt, D. J. Hawkes, Univ. College London (United Kingdom)

---

## SESSION 2    **KEYNOTE AND MRI BRAIN**

---

- 6916 08    **Dynamic fMRI of a decision-making task** [6916-07]  
M. Singh, W. Sungkarat, Univ. of Southern California (USA)
- 6916 09    **Correlations between DTI and FLAIR images reveal the relationships of microscopic and macroscopic white matter degeneration in elderly subjects** [6916-08]  
W. Zhan, Y. Zhang, P. Lorenzen, S. G. Mueller, N. Schuff, M. W. Weiner, Univ. of California, San Francisco (USA)

- 6916 0A **Gender differences in brain development in Chinese children and adolescents: a structural MRI study** [6916-09]  
X. Guo, Beijing Normal Univ. (China); Z. Jin, Beijing 306 Hospital (China); K. Chen, Banner Alzheimer's Institute and Samaritan PET Ctr. (USA); D. Peng, L. Yao, Beijing Normal Univ. (China)

---

**SESSION 3 VIRTUAL ENDOSCOPY I**

---

- 6916 0B **Polyp height and width measurement using topographic height map** [6916-10]  
J. Yao, S. Frenzt, National Institutes of Health (USA); J. Li, National Institutes of Health (USA) and Old Dominion Univ. (USA); R. Summers, National Institutes of Health (USA)
- 6916 0C **Registration of prone and supine colons in the presence of topological changes** [6916-11]  
J. W. Suh, Virginia Polytechnic Institute and State Univ. (USA); C. L. Wyatt, Virginia Polytechnic Institute and State Univ. (USA) and Wake Forest Univ. (USA)
- 6916 0D **Extraction of teniae coli from CT volumes for assisting virtual colonoscopy** [6916-12]  
Y. Umemoto, M. Oda, Nagoya Univ. (Japan); T. Kitasaka, K. Mori, Nagoya Univ. (Japan) and Mext Innovative Research Ctr. for Preventive Medical Engineering (Japan); Y. Hayashi, Nagoya Univ. (Japan); Y. Suenaga, Nagoya Univ. (Japan) and Mext Innovative Research Ctr. for Preventive Medical Engineering (Japan); T. Takayama, Univ. of Tokushima (Japan); H. Natori, Keiwakai Nishioka Hospital (Japan)
- 6916 0E **Efficient seeding and defragmentation of curvature streamlines for colonic polyp detection** [6916-13]  
L. Zhao, C. P. Botha, Delft Univ. of Technology (Netherlands); R. Truyen, Philips Health Care (Netherlands); F. M. Vos, F. H. Post, Delft Univ. of Technology (Netherlands)
- 6916 0F **Image-based path planning for automated virtual colonoscopy navigation** [6916-14]  
W. Hong, Siemens Corporate Research, Inc. (USA)

---

**SESSION 4 VIRTUAL ENDOSCOPY II**

---

- 6916 0G **Automated anatomical labeling of bronchial branches using multiple classifiers and its application to bronchoscopy guidance based on fusion of virtual and real bronchoscopy** [6916-16]  
S. Ota, D. Deguchi, T. Kitasaka, K. Mori, Y. Suenaga, Nagoya Univ. (Japan); Y. Hasegawa, K. Imaizumi, Nagoya Univ. School of Medicine (Japan); H. Takabatake, Sapporo Minami Sanjo Hospital (Japan); M. Mori, Sapporo-Kosei General Hospital (Japan); H. Natori, Keiwakai Nishioka Hospital (Japan)
- 6916 0H **Integrated system for planning peripheral bronchoscopic procedures** [6916-17]  
J. D. Gibbs, M. W. Graham, K.-C. Yu, W. E. Higgins, The Pennsylvania State Univ. (USA)
- 6916 0I **Subject specific finite element deformation modelling from monocular endoscope videos** [6916-18]  
A. J. Chung, G.-Z. Yang, Imperial College London (United Kingdom)
- 6916 0J **Virtually assisted optical colonoscopy** [6916-19]  
J. Marino, F. Qiu, A. Kaufman, Stony Brook Univ. (USA)

---

**SESSION 5    MODELING**

---

- 6916 OK    **Image-based investigation of hemodynamics and rupture of cerebral aneurysms of a single morphological type: terminal aneurysms** [6916-20]  
M. Castro, George Mason Univ. (USA); C. Putman, Inova Fairfax Hospital (USA); A. Radaelli, A. Frangi, Univ. Pompeu Fabra (Spain); J. Cebral, George Mason Univ. (USA)
- 6916 OL    **Image-based biomechanical modeling of aortic wall stress and vessel deformation: response to pulsatile arterial pressure simulations** [6916-21]  
D. Hazer, Univ. Hospital Heidelberg (Germany) and ITEC Univ. of Karlsruhe (TH) (Germany); M. Bauer, R. Unterhinninghofen, R. Dillmann, ITEC Univ. of Karlsruhe (TH) (Germany); G.-M. Richter, Univ. Hospital Heidelberg (Germany)
- 6916 OM    **A new deconvolution approach to perfusion imaging exploiting spatial correlation** [6916-22]  
B. B. Orten, W. C. Karl, Boston Univ. (USA); D. V. Sahani, H. Pien, Massachusetts General Hospital (USA)
- 6916 ON    **Modeling respiratory lung motion: a biophysical approach using finite element methods** [6916-23]  
R. Werner, J. Ehrhardt, R. Schmidt, H. Handels, Univ. Medical Ctr. Hamburg-Eppendorf (Germany)
- 6916 OO    **Compensated Tikhonov regularization for quantitative perfusion measurements** [6916-24]  
B. Ebrahimi, T. E. Chupp, Univ. of Michigan (USA)

---

**SESSION 6    IMAGE ANALYSIS**

---

- 6916 OP    **Endovascular image-guided treatment of in-vivo model aneurysms with asymmetric vascular stents (AVS): evaluation with time-density curve angiographic analysis and histology** [6916-25]  
A. Dohatcu, C. N. Ionita, Toshiba Stroke Research Ctr. (USA) and SUNY, Univ. at Buffalo (USA); A. Paciorek, SUNY, Univ. at Buffalo (USA); D. R. Bednarek, K. R. Hoffmann, S. Rudin, Toshiba Stroke Research Ctr. (USA) and SUNY, Univ. at Buffalo (USA)
- 6916 OQ    **3-D analysis of microvascular architecture of the spleen with ultra-high-resolution for partial splenic embolization** [6916-26]  
H. Honda, Saitama Univ. (Japan) and RIKEN (Japan); K. Shimizu, RIKEN (Japan) and The Univ. of Tokyo (Japan); J. Koizumi, Tokai Univ. School of Medicine (Japan); R. Himeno, RIKEN (Japan); T. Mishima, Saitama Univ. (Japan) and RIKEN (Japan)
- 6916 OR    **A segmentation method for stentgrafts in the abdominal aorta from ECG-gated CTA data** [6916-27]  
A. Klein, Univ. of Twente (Netherlands); W. K. Renema, L. J. Oostveen, L. J. Schultze Kool, Radboud Univ. Uijmegen Medical Ctr. (Netherlands); C. H. Slump, Univ. of Twente (Netherlands)
- 6916 OS    **Analysis of anatomic variability in children with low mathematical skills** [6916-28]  
Z. Han, L. Funchs, N. Davis, C. J. Cannistraci, A. W. Anderson, J. C. Gore, B. M. Dawant, Vanderbilt Univ. (USA)

- 6916 OT **Computer-aided segmentation and 3D analysis of in vivo MRI examinations of the human vocal tract during phonation** [6916-29]  
A. Wismüller, Univ. of Rochester (USA) and Univ. of Munich (Germany); J. Behrends, P. Hoole, G. L. Leinsinger, Univ. of Munich (Germany); A. Meyer-Baese, Florida State Univ. (USA); M. F. Reiser, Univ. of Munich (Germany)
- 6916 OU **Segmentation of multispectral bladder MR images with inhomogeneity correction for virtual cystoscopy** [6916-30]  
L. Li, CUNY (USA) and SUNY (USA); Z. Liang, S. Wang, H. Lu, SUNY (USA); X. Wei, New York City College of Technology (USA); M. Wagshul, M. Zawin, E. J. Posniak, C. S. Lee, SUNY (USA)

---

**SESSION 7 MRI OTHER**

- 6916 OV **Modelling the pelvic floor for investigating difficulties during childbirth** [6916-32]  
X. Li, J. A. Kruger, J.-H. Chung, M. P. Nash, P. M. F. Nielsen, The Univ. of Auckland (New Zealand)
- 6916 OW **Estimating MR relaxation in a single shot: considerations for estimation accuracy** [6916-33]  
D. B. Twieg, Univ. of Alabama at Birmingham (USA); S. J. Reeves, Auburn Univ. (USA)
- 6916 OY **Imaging magnetic nanoparticles using the signal's frequency spectrum** [6916-35]  
J. B. Weaver, Dartmouth-Hitchcock Medical Ctr. (USA), Dartmouth College (USA), and Norris Cotton Cancer Ctr. (USA); A. M. Rauwerdink, B. S. Tremblay, Dartmouth College (USA); C. R. Sullivan, Dartmouth College (USA) and Norris Cotton Cancer Ctr. (USA)
- 6916 OZ **Fast 3D fluid registration of brain magnetic resonance images** [6916-36]  
N. Leporé, Y.-Y. Chou, UCLA School of Medicine (USA); O. L. Lopez, H. J. Aizenstein, Univ. of Pittsburgh (USA); J. T. Becker, A. W. Toga, P. M. Thompson, UCLA School of Medicine (USA)
- 6916 IO **MRI-based noninvasive measurement of intracranial compliance derived from the relationship between transcranial blood and cerebrospinal fluid flows: modeling vs. direct approach** [6916-37]  
R.-W. Tain, N. Alperin, Univ. of Illinois at Chicago (USA)

---

**SESSION 8 PULMONARY/LUNG**

- 6916 II **Serial volumetric registration of pulmonary CT studies** [6916-38]  
J. S. Silva, Univ. de Coimbra (Portugal); A. Silva, B. Sousa Santos, Univ. de Aveiro (Portugal)
- 6916 IJ **Pulmonary artery segmentation and quantification in sickle cell associated pulmonary hypertension** [6916-39]  
M. G. Linguraru, N. Mukherjee, R. L. Van Uitert, R. M. Summers, M. T. Gladwin, R. F. Machado, B. J. Wood, National Institutes of Health (USA)
- 6916 IK **Active contour approach for accurate quantitative airway analysis** [6916-40]  
B. L. Odry, A. P. Kiraly, G. G. Slabaugh, C. L. Novak, Siemens Corporate Research, Inc. (USA); D. P. Naidich, New York Univ. Medical Ctr. (USA); J.-F. Lerallut, Heudiasyc, Univ. de Technologie de Compiègne (France)

- 6916 14 **Processing of CT images for analysis of diffuse lung disease in the lung tissue research consortium** [6916-41]  
R. A. Karwoski, B. Bartholmai, V. A. Zavaletta, D. Holmes, R. A. Robb, Mayo Clinic College of Medicine (USA)
- 6916 15 **The influence of reconstruction algorithm on the measurement of airway dimensions using computed tomography** [6916-42]  
J. C. Wong, Univ. of British Columbia (Canada); Y. Nakano, Univ. of British Columbia (Canada) and Shiga Univ. of Medical Science (Japan); H. O. Coxson, Univ. of British Columbia (Canada) and Vancouver General Hospital (Canada); N. L. Müller, Vancouver General Hospital (Canada); P. D. Paré, J. C. Hogg, Univ. of British Columbia (Canada)

---

**SESSION 9 BONE/OTHER**

- 6916 16 **Hip fracture risk estimation based on bone mineral density of a biomechanically guided region of interest: a preliminary study** [6916-43]  
W. Li, J. Kornak, C. Li, A. Koyama, I. Saeed, Y. Lu, T. Lang, University of California, San Francisco (USA)
- 6916 18 **Improved 3D skeletonization of trabecular bone images derived from in vivo MRI** [6916-45]  
J. F. Magland, F. W. Wehrl, Univ. of Pennsylvania School of Medicine (USA)
- 6916 19 **Synchrotron radiation CT methods for 3D quantitative assessment of mechanically relevant ultrastructural properties in murine bone** [6916-46]  
P. Schneider, R. Voide, ETH Zürich (Switzerland); M. Stampanoni, Paul Scherrer Institut (Switzerland); R. Müller, ETH Zürich (Switzerland)
- 6916 1A **High resolution x-ray imaging of dynamic solute transport in cyclically deformed porous tissue scaffolds** [6916-47]  
J. Op Den Buijs, K.-W. Lee, S. M. Jorgensen, S. Wang, M. J. Yaszemski, E. L. Ritman, Mayo Clinic College of Medicine (USA)

---

**SESSION 10 BREAST AND OTHER**

- 6916 1B **Combination of model-free and model-based analysis of dynamic contrast enhanced MRI for breast cancer diagnosis** [6916-48]  
E. Eyal, E. Furman-Haran, D. Badikhi, Weizmann Institute of Science (Israel); F. Kelcz, Univ. of Wisconsin Hospital and Clinic (USA); H. Degani, Weizmann Institute of Science (Israel)
- 6916 1C **An iterative hyperelastic parameters reconstruction for breast cancer assessment** [6916-49]  
H. Mehrabian, Univ. of Western Ontario (Canada); A. Samani, Univ. of Western Ontario (Canada) and Robarts Research Institute (Canada)
- 6916 1D **Parametric dynamic F-18-FDG PET/CT breast imaging** [6916-50]  
A. Magri, Syracuse Univ. (USA); D. Feiglin, SUNY Upstate Medical Univ. (USA); E. Lipson, Syracuse Univ. (USA) and SUNY Upstate Medical Univ (USA); J. Mandel, Syracuse Univ. (USA); W. McGraw, Central New York PET, LLP (USA); W. Lee, SUNY Upstate Medical Univ (USA); A. Krol, SUNY Upstate Medical Univ (USA) and Syracuse Univ. (USA)

- 6916 1E **Combined thermal and elastic modeling of the normal and tumorous breast** [6916-51]  
L. Jiang, George Washington Univ. (USA); W. Zhan, Univ. of California, San Francisco (USA);  
M. Loew, George Washington Univ. (USA)

---

**SESSION 11 ANIMAL/MOLECULAR IMAGING**

---

- 6916 1F **Model-based segmentation and quantification of subcellular structures in 2D and 3D fluorescent microscopy images** [6916-53]  
S. Wörz, Univ. of Heidelberg (Germany) and German Cancer Research Ctr. (Germany);  
S. Heinzer, M. Weiss, German Cancer Research Ctr. (Germany); K. Rohr, Univ. of Heidelberg  
(Germany) and German Cancer Research Ctr. (Germany)
- 6916 1G **Automated analysis of siRNA screens of cells infected by hepatitis C and dengue viruses based on immunofluorescence microscopy images** [6916-54]  
P. Matula, Univ. of Heidelberg (Germany) and German Cancer Research Ctr. (Germany);  
A. Kumar, I. Wörz, Univ. of Heidelberg (Germany); N. Harder, Univ. of Heidelberg (Germany)  
and German Cancer Research Ctr. (Germany); H. Erfle, R. Bartenschlager, Univ. of  
Heidelberg (Germany); R. Eils, K. Rohr, Univ. of Heidelberg (Germany) and German Cancer  
Research Ctr. (Germany)
- 6916 1H **Feasibility of quantitative lung perfusion by 4D CT imaging by a new dynamic-scanning protocol in an animal model** [6916-55]  
Y. Wang, J. G. Goldin, F. G. Abtin, M. Brown, M. McNitt-Gray, David Geffen School of  
Medicine at Univ. of California, Los Angeles (USA)
- 6916 1I **Whole mouse cryo-imaging** [6916-56]  
D. Wilson, Case Western Reserve Univ. (USA) and Univ. Hospitals of Cleveland (USA);  
D. Roy, G. Steyer, M. Gargesha, M. Stone, E. McKinley, Case Western Reserve Univ. (USA)
- 6916 1K **Three-dimensional bioluminescent source reconstruction method based on nodes of adaptive FEM** [6916-58]  
C. Qin, J. Tian, Y. Lv, W. Yang, Institute of Automation (China)

---

**POSTER SESSION**

---

- 6916 1L **Image-based EPI real time ghost correction** [6916-31]  
S. Li, Wayne State Univ. (USA); M. H. Buonocore, Univ. of California, Davis (USA)
- 6916 1M **Utilization of mammographic complexity for improving risk assessment and cancer detection** [6916-52]  
X. H. Wang, J. King, G. Saraswathi, J. E. Durick, C. Britton, J. H. Sumkin, J. K. Leader,  
W. F. Good, Univ. of Pittsburgh (USA)
- 6916 1N **Texture-based CAD improves diagnosis for low-dose CT colonography** [6916-59]  
Z. Liang, H. Cohen, E. Posniak, E. Fiore, Z. Wang, B. Li, J. Andersen, D. Harrington, SUNY (USA)



- 6916 1O **Glycoprotein expression by adenomatous polyps of the colon** [6916-60]  
C. A. Roney, J. Xie, National Institutes of Health (USA); B. Xu, National Institutes of Health (USA) and National Heart, Lung, and Blood Institute (USA); P. Jabour, National Institutes of Health (USA); G. Griffiths, National Institutes of Health (USA) and National Heart, Lung, and Blood Institute (USA); R. M. Summers, National Institutes of Health (USA)
- 6916 1Q **Comparison of laterality index of upper and lower limb movement using brain activated fMRI** [6916-62]  
M. H. Harirchian, Imam Khomeini Hospital (Iran); M. A. Oghabian, A. Rezvanizadeh, N. Bolandzadeh, Tehran Univ. of Medical Sciences (Iran)
- 6916 1R **Real-time classification of activated brain areas for fMRI-based human-brain-interfaces** [6916-63]  
T. Moench, M. Hollmann, R. Grzeschik, C. Mueller, R. Luetzkendorf, S. Baecke, M. Luchtman, D. Wagegg, J. Bernarding, Univ. of Magdeburg (Germany)
- 6916 1S **A study of specific neural substrate for face processing** [6916-64]  
J. Li, J. Liang, Xidian Univ. (China); J. Tian, Xidian Univ. (China) and Institute of Automation (China); H. Zhang, Institute of Automation (China); G. Shi, Xidian Univ. (China)
- 6916 1T **An improved algorithm of fiber tractography demonstrates postischemic cerebral reorganization** [6916-65]  
X. Liu, Beijing Normal Univ. (China); J. Lu, Beijing Normal Univ. (China) and Xuanwu Hospital, Capital Univ. of Medical Sciences (China); L. Yao, Beijing Normal Univ. (China); K. Li, Xuanwu Hospital, Capital Univ. of Medical Sciences (China); X. Zhao, Beijing Normal Univ. (China)
- 6916 1U **Partial volume effect of cingulum tract in diffusion-tensor MRI** [6916-66]  
N. Cao, B. T. Gold, J. Zhang, Univ. of Kentucky (USA)
- 6916 1W **Contrast enhanced MRI characterization of the perfusion territories fed by individual coronary arteries in ex-vivo porcine heart** [6916-68]  
N. M. Szeverenyi, B. Searles, A. Pertsov, SUNY Upstate Medical Univ. (USA)
- 6916 1X **Hyperpolarized helium-3 magnetic resonance imaging of asthma: short-term reproducibility (Honorable Mention Poster Award)** [6916-69]  
A. Wheatley, S. McKay, Robarts Research Institute (Canada); L. Mathew, G. Santyr, D. G. McCormack, G. Parraga, Robarts Research Institute (Canada) and Univ. of Western Ontario (Canada)
- 6916 1Y **In vivo imaging of superficial femoral artery (SFA) stents for deformation analysis** [6916-70]  
A. Ganguly, A. Schneider, Stanford Univ. (USA); B. Keck, Friedrich-Alexander-Univ. Erlangen-Nürnberg (Germany) and Stanford Univ. (USA); N. R. Bennett, R. Fahrig, Stanford Univ. (USA)
- 6916 1Z **Intuitive parameter-free visualization of tumor vascularization using rotating connectivity projections** [6916-71]  
R. Wiemker, T. Bülow, R. Opfer, S. Kabus, Philips Research Europe (Germany); E. Dharaiya, Philips Medical Systems (USA)

- 6916 20 **Combined registration of 3D tibia and femur implant models in 3D magnetic resonance images** [6916-72]  
K.-H. Englmeier, Helmholtz Ctr. Munich-Institute of Biological and Medical Imaging (Germany); M. Siebert, R. von Eisenhart-Rothe, H. Graichen, Asklepios-Clinic Hohenlohe (Germany)
- 6916 21 **Comparative evaluation of physicians' pulmonary nodule detection with reduced slice thickness at CT screening** [6916-73]  
M. Sinsuat, I. Shimamura, S. Saita, M. Kubo, Y. Kawata, N. Niki, The Univ. of Tokushima (Japan); H. Ohmatsu, National Cancer Ctr. East Hospital (Japan); R. Kakinuma, National Cancer Ctr. Research Ctr. for Cancer Prevention and Screening (Japan); K. Eguchi, Tokai Univ. School of Medicine (Japan); M. Kaneko, National Cancer Ctr. Hospital (Japan); K. Tominaga, Tochigi Public Health Service Association (Japan); N. Moriyama, National Cancer Ctr. Research Ctr. for Cancer Prevention and Screening (Japan)
- 6916 22 **Evaluation of airway measurements in phantom parenchyma and soft tissue regions** [6916-74]  
R. A. Ochs, H. J. Kim, J. G. Goldin, M. F. McNitt-Gray, M. S. Brown, Univ. of California, Los Angeles (USA)
- 6916 23 **The relation of airway size to lung function** [6916-75]  
J. K. Leader, B. Zheng, F. C. Sciurba, C. R. Fuhrman, J. M. Bon, S. C. Park, J. Pu, D. Gur, Univ. of Pittsburgh (USA)
- 6916 24 **Intramyocardial capillary blood volume estimated by whole-body CT: validation by micro-CT** [6916-76]  
Y. Dong, P. E. Beighley, D. R. Eaker, Mayo Clinic College of Medicine (USA); M. Zamir, Univ. of Western Ontario (Canada); E. L. Ritman, Mayo Clinic College of Medicine (USA)
- 6916 25 **Validation of semi-automatic segmentation of the left atrium** [6916-77]  
M. E. Rettmann, D. R. Holmes III, J. J. Camp, D. L. Packer, R. A. Robb, Mayo Clinic College of Medicine (USA)
- 6916 26 **3-D segmentation and quantitative analysis of inner and outer walls of thrombotic abdominal aortic aneurysms** [6916-78]  
K. Lee, Y. Yin, A. Wahle, Univ. of Iowa (USA); M. E. Olszewski, Philips Healthcare (USA); M. Sonka, Univ. of Iowa (USA)
- 6916 27 **Assessing influence of conductivity in heart modelling with the aim of studying cardiovascular diseases (Cum Laude Poster Award)** [6916-79]  
R. Sebastian, S. Ordas, Univ. Pompeu Fabra (Spain); G. Plank, Johns Hopkins Univ. (USA); B. Rodriguez, Univ. of Oxford (United Kingdom); E. J. Vigmond, Univ. of Calgary (Canada); A. F. Frangi, Univ. Pompeu Fabra (Spain)
- 6916 29 **Cone beam CT tumor vasculature dynamic study (Murine model)** [6916-81]  
D. Yang, R. Ning, Univ. of Rochester (USA); D. Conover, B. Ricardo, S. Liu, Univ. of Rochester Medical Ctr. (USA)

*Author Index*

# Conference Committee

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**Ronald M. Summers**, National Institutes of Health (USA)  
**Merryn H. Tawhai**, The University of Auckland (New Zealand)  
**John B. Weaver**, Dartmouth College (USA)  
**Felix W. Wehli**, University of Pennsylvania (USA)

## *Session Chairs*

- 1 Cardiovascular  
**Norbert J. Pelc**, Stanford University (USA)
- 2 Keynote and MRI Brain  
**Xiaoping P. Hu**, Emory University (USA)  
**Armando Manduca**, Mayo Clinic College of Medicine (USA)
- 3 Virtual Endoscopy I  
**Ronald M. Summers**, National Institutes of Health (USA)
- 4 Virtual Endoscopy II  
**William E. Higgins**, The Pennsylvania State University (USA)

- 5 Modeling  
**Juan R. Cebal**, George Mason University (USA)
- 6 Image Analysis  
**Armando Manduca**, Mayo Clinic College of Medicine (USA)
- 7 MRI Other  
**Keith D. Paulsen**, Dartmouth College (USA)
- 8 Pulmonary/Lung  
**Eric A. Hoffman**, The University of Iowa Hospitals and Clinics (USA)
- 9 Bone/Other  
**Philipp Schneider**, ETH Zürich (Switzerland)
- 10 Breast and Other  
**Anne V. Clough**, Marquette University (USA)
- 11 Animal/Molecular Imaging  
**Erik L. Ritman**, Mayo Clinic College of Medicine (USA)

## **In Memoriam**

### **Sam Dwyer**

**1932–2008**



#### **Inspirational planner for SPIE Medical Imaging symposia and chair of 15 conferences from 1983 to 1996**

Sam Dwyer was a leading light in the swift growth of the field of medical imaging. At this 2008 Medical Imaging symposium, several colleagues expressed their appreciation of his professional achievements and the legacy of his contributions.

Andre Duerinckx recalls Sam's first big step into the limelight. "Sam chaired the Second International PACS meeting sponsored by SPIE in 1983. He stepped in when my professional direction shifted and I could not continue. Over the following years Sam became a leading force in the development of this new science and technology as the conferences developed and grew."

"He had an ability to predict important technology trends in medical imaging," says Steven Horii, a long-time SPIE Medical Imaging contributor and past conference chair.

Another past Medical Imaging conference chair with years of experience, Roger Schneider elaborates, "The growth of the initial conferences was phenomenal. They quickly expanded and outgrew several facilities. Topic areas increased. For example, we had been dealing with perception in sessions on image statistics. Sam first suggested that the field of perception theory and experiment was expanding so rapidly that it deserved its own conference. We also added conferences on image processing hardware, display, functional imaging, and special topics in ultrasound transducers."

"Sam was a true pioneer in our field," continues Schneider. "He was one of the first to envision the impact of digital technology on the storage, retrieval, communication, and

display of medical images, and one of the most active early explorers of the possibilities. He led the PACS conference into the merger with SPIE's image science conference to form the current Medical Imaging Symposium which many consider to be the premiere technical program on medical imaging in the world."

Murray Loew, another past conference chair, adds his observation, "Sam's academic, industrial, and clinical experience provided the perspective that enabled him to set priorities and give advice that helped many of us to make our own contributions. We all benefited greatly from his insights and his practical approach."

Schneider agrees. "Through all, Sam was an excellent partner and leader, calm, gentle yet persuasive, always congenially nudging everyone toward a better future. His ambitions were not for himself, but for the mutual enterprise. He was a very enthusiastic mentor and supporter of students and researchers new to the field without any concern for the possibility that their work might compete with his and was himself a superbly competent contributor."

An example of this is illustrated by John Strauss." Already well accomplished at the time of our first meeting, Sam made the time to take an eager but inexperienced student under his wing. I was not an 'assigned' grad student or research assistant from the University to which he had an obligation. I was a product manager from a vendor-partner. Over the years, from answering technical questions in an understandable way, to providing unassuming career guidance, as well as a sympathetic ear to the challenges of fatherhood or life's many challenges and struggles, Sam was always there for me."

"There are many things about Sam Dwyer that I recall with great fondness, like his always friendly and enthusiastic manner. His advice led me to my years of satisfying work on the ACR-NEMA Committee," adds Horii.

All agree that Sam had many other admirable traits. His wit and sense of humor were legendary, as one of Schneider's favorite memories illustrates. "At the opening of one conference Sam announced, from the podium, that it was the birthday of an important attendee. He said SPIE had requested that the Blue Angels do a flyover—but they already had something scheduled. As a substitute birthday recognition, Sam suggested we take our morning coffee break out on the terrace and watch the landscaping crew circle the flagpole on their riding lawnmowers."

Strauss describes the footprint left by Sam, "While Sam left a legacy through his professional accomplishments, perhaps more lasting is the heritage of leadership he has left behind. He felt it his obligation to pass on his knowledge and wisdom to the next generation, and I was blessed as a recipient. I have and will continue to honor Sam by sharing with those that come after me."

Sam Dwyer was a person of rare quality who will be sorely missed. His name has a permanent place in the annals of medical imaging, and his contributions continue in the flourishing growth of knowledge presented and discussed in the annual Medical Imaging conferences.