

DMIP 2015 Retreat

Date: June 16th 2015, Tuesday.

Location: Mt Washington conference center, room 202

For drive information:

<http://www.acc-mtashingtonconferencecenter.com/mount-washington-center-en.html>

For shuttle information (from Homewood or JHMI campus)

<http://ts.jhu.edu/Shuttles/>

Internet: Free “hopkins” wireless network.

Schedule

8:00-9:00	Breakfast
9:00-9:05	Introduction (Du)
9:05-9:10	Introduction (Frey)
9:10-9:30	State of the division (Tsui)
9:30-12:30	Team-building activity (The Amazing Race)
12:30-1:30	Lunch
1:30-2:30	Self introduction (Ken, Okkyun, Nate, Gary, Emad, Meng, ...) and Teaser
2:30-2:45	Talk (Muyinatu (Bisi) Bell) “Comparison of light delivery methods for photoacoustic imaging of prostate brachytherapy seeds”
2:45-3:45	Break (Basketball, ping pong, ...)
3:45-4:30	Poster1 (George Fung, Taek-Soo Lee, Tao Feng, Jizhe Wang, Ye Li, Andy, Alexis Cheng, Lei Chen, Jingyan Xu, H. Kai Zhang)
4:30-5:15	Poster2 (Abhinav Jha, Xin Li, Michael Ghaly, Fatma Elshahay, Bo Meng, Fereshteh Aalamifar, Esther Vicente, Nate Crookston, Nishikant Deshmukh)
5:15-5:30	Award

Abstracts

Ye Li	Development of a projection database for renal pediatric SPECT imaging research
George Fung	Simulation of Heterogeneous Microsphere Distribution using Hepatic Arterial Tree Model in Yttrium-90 Microsphere Therapy and Imaging
Taek-Soo Lee	Applications of Post Reconstruction Dual Respiratory and Cardiac Motion Compensation for ECT
Feng Tao	Theory and Design of A 2D High Resolution and High Sensitivity SPECT System without the Use of Conventional Collimator
Jizhe Wang	An improved data-driven method for respiratory motion signal detection and magnitude estimation from noisy list-mode cardiac PET data
Andy	Uniformity Correction Method for a Small Animal SPECT System with Spiral Step Data Acquisition
Alexis Cheng	Ultrasound Needle Detection Using Mobile Imaging
Lei Chen	Tracked ultrasound-based bone registration for robotic orthopedic surgery
Jingyan Xu	Pinhole SPECT Image Reconstruction Using a Dense System Matrix
H Kai Zhang	Synthetic-Tracked Aperture Ultrasound (STrAtUS) Imaging Using Robotic Guidance
Abhinav Kumar Jha	A no-gold-standard technique to assess quantitative nuclear-medicine imaging methods with patient data
Xin Li	Towards Patient-Specific Optimization of OS-EM Reconstruction Methods for Dual Radionuclide Myocardial Perfusion SPECT
Michael Ghaly	Optimization of acquisition energy windows and relative injected activities for Dual-Isotope stress Tc-99m/rest Tl-201 myocardial perfusion SPECT using the ideal observer
Fatma Elshahaby	Estimating model observer performance with small image ensembles
Bo Meng	Robot-Assisted Mirror Ultrasound Scanning for Deep Venous Thrombosis Detection Using Depth Images
Fereshteh Aalamifar	Robot assisted ultrasound tomography
Esther Vicente	Investigation of volume-of-interest (VOI) definition methods for estimating organ activity concentrations in quantitative SPECT (QSPECT)
Nishikant Deshmukh	Five-Dimensional Ultrasound System for Soft Tissue Visualization
Nate Crookston	Modeling and Reconstruction of Y-90 Bremsstrahlung Images of the Liver
Muyinatu (Bisi) Bell	Comparison of light delivery methods for photoacoustic imaging of prostate brachytherapy seeds (Talk)

Food Menu

ROOM: **Room 202**

Event: **7:30 AM-11:30 AM**

Continental Breakfast

Daily Selection of Bakery Fresh Items, Whole Fresh Fruit Baskets, Grab and Go Items, Hot and Cold Beverage Selections

ROOM: **Hayward Dining Room**

Event: **12:30 PM-1:30 PM**

Package LUNCH BUFFET

Serve: **12:30 PM - 01:30 PM**

Salad Bar, Breads & Rolls, Delicatessen Platter or Roll-ups, Assorted Desserts, Iced Tea, Soft Drinks, Reg & Decaf Coffee, Hot Tea

Potato Cheddar Soup w/bacon

Caprese Salad

Grilled Flank Steak in red wine reduction

Tortellini Tossed w/seasonal vegetables and plum tomatoes (vegetarian option)

Seasoned Roasted Potatoes

Fresh Green Beans w/red peppers

The Amazing Race

The objective of this event is to develop interpersonal communication skills that will improve team cohesion, establish trust, and goal sharing.

This exercise will include five different teambuilding challenges that will take each team through a myriad of mental and physical challenges. The group will be broken down into teams of six or seven members, which can be done by random selection or through your personal decision. Each team will be given a map that will be used to guide them to the five different challenges. When the groups are ready, they will be assigned different colors and will be given their first instruction card, which will be color coded to their group. Each instruction card will have a different challenge. They will not receive their next instruction card until that challenge is successfully completed. A facilitator will be placed at each challenge and will be prepared to take on two groups simultaneously if one group is moving faster than the next. Once all the teams complete the five teambuilding challenges, they will then be sent to the last control point. This point will be the game room where debriefing will occur.

Debriefing is the most important part of the team building exercise. A series of thought provoking questions will be asked to facilitate discussion of their experiences. These questions will address their struggles, accomplishments, strong and weak points, and strategies. The group will then be asked how these experiences can be applied to their current work environment.

Safety of course is a concern. The greatest concern will be twisted ankles due to walking around the campus. None of the challenges should pose safety risks. In order to promote safety, the participants should be properly attired with hiking boots, or at least supportive tennis shoes, comfortable clothing appropriate for the weather and exercises (may get dirty), and rain gear depending on the weather. For your convenience, we will supply preparation instructions for all the participants.

The event will take at least 1.5 hours or up to 3 hours depending on each group's proficiency. If a group is moving to slow actions will be taken as needed.

The Teambuilding Package includes five challenges, five to eight facilitators, maps, and props necessary for the challenges.