

DMIP 2016 Retreat

Date: May 24th 2016, Tuesday.

Location: Mt Washington conference center room 202

Internet: Free “hopkins” wireless network.

Schedule:

8:00-9:00	Breakfast and Poster setup
9:00-9:05	Start/Introduction (Du)
9:05-9:20	State of the division (Dr. Tsui)
9:30-9:50	Self-introduction for new people (Chloe, Jeeun, Yuki)
10:00-10:30	Poster session 1 (Chloe, Okkyun, Yinfeng, Xin, Younsu)
10:30-10:45	Coffee break
10:45-11:30	Talk 1 (Michael McDonald: “Contrasting Thoughts”)
11:30-12:00	Poster session 2 (Zeyang/Ken, Jeeun, Nate, Esther)
12:00-13:00	Lunch
1:15-2:00	Talk 2 (Ines Valenta-Schindler J.: “Nuclear Cardiology”)
2:00-4:30	Team building activity (Synergy GPS tracking)
4:30-4:45	Coffee break
4:45-5:15	Poster session 3 (Yuki, Alexis, Jizhe, Taek-Soo)
5:15-6:00	Jeopardy/Award
6:30-	Group Dinner Niwana Restaurant 3 E 33 rd St, Baltimore, MD, 21218 410-366-4115

Team Building Activity: Synergy

Project Synergy is a state of the art scavenger hunt utilizing the latest in GPS (Global positioning Systems) technology. Teams will use the GPS to navigate a course across the campus finding pieces of a puzzle.

This puzzle will consist of questions that will lead to an exact numerical answer. The group that comes closest to the solution will win the event. Although completion of the task is the goal, the journey towards that goal is the true teambuilding experience. Finding the clues will take great communication and teamwork but this is only a portion of the task. Answering the questions will be the true test of your team's ability to work together efficiently. This event fosters relationships, builds lines of communication, and helps identify the obstacles that can plague a team. At the end of the event the group will get together for debriefing. The solutions will be discussed as well as obstacles and accomplishments experience by your teams.

For this particular exercise there will be a number of questions that need to be first located and secondly answered. A fun way to get your teams working on the mental side is to make the questions multifaceted. Example(What is the square route of all the free weights in the fitness center multiplied by the number of members that attended the Pilates class on Friday the 23rd. Plus the amount of calories in one pound of fat?)

$(1278\text{lbs}) \text{ square root} = (35.8) \times 5 = (179) + 3500 = 3679$. This example question only pertains to the fitness center but for your questions you should involve as many different components as you have in your organization.

To prepare for the Event

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.

Safety: This event was designed with you in mind and all members should be comfortable while participating. If any participants have any personal limitations or concerns please inform the facilitators so they will be able to make accommodations. All participants should be able to participate in every challenge.

Event instructions:

The groups will gather in a central location. When everyone is together I will explain the rules of this event.

1. Using the provided GPS navigate a route to the hidden questions.
2. Stay on level surfaces. The GPS will take you as the crow flies. You need to maneuver your team with out jumping off any cliffs or climbing any mountains. (Your safety is of utmost importance)

3. You cannot go thru the Office Buildings. GPS do not work inside and if there is a building in your way you must go around it. Parking garages may be considered in bounds. All other buildings are out of bounds.
4. Once you find the puzzle vessel, make sure you take the appropriate question. There will be two questions at each site. Each question will be color coded. Make sure you take the question coded for your team. Do not take the other question out of the puzzle vessel.
5. As a team, figure out the answer to the questions.
6. This event has a time limit or a dead line. You must complete this event in 45 minutes. No matter where you are you will need to return for debriefing when your time is up.

Once the rules have been read everyone will go out to the circle in front of the conference center to begin the event. At that time each team will be giving the GPS with the coordinates to their first puzzle vessel.

Two Options:

- 1) Teams are given a training session on how to use a GPS.
- 2) Teams have to figure out how to use GPS on their own.

Either way quick directions will be attached to each GPS.

The event starts with either the handoff of the GPS to the group or after the training session depending on which option is chosen.

If a group is in really dire straight there will be a help center to assist with GPS issues.

Abstract Titles

Chloe Audigier	Computational Modeling of Radiofrequency Ablation for the Planning and Guidance of Abdominal Tumor Treatment
Okkyun Lee	Dictionary learning-based K-edge imaging for SRE-compensated photon counting detector
Ken/Zeyang	4-D cardiac x-ray phantom for functional analysis with 5-20 ms temporal resolution
Yuki Suzuki	4-D non-rigid motion estimation with high temporal resolution from projection images
Jeeun Kang	Non-invasive transcranial photoacoustic sensing for neurotransmitter modulation in realtime
Alexis Cheng	Catheter Tracking in an Interventional Photoacoustic Surgical System
Yinfeng Dong	Reconstruction of Nuclear Cardiac Imaging Using Geometry and Activity Distribution Models
Jizhe Wang	A constrained feature-based cardiac motion estimation method for cardiac PET
Esther Vicente	A nonparametric sinogram-based bootstrap resampling method to investigate scan time reduction in nuclear medicine
Xin Li	Patient-Specific Optimization of a Regularized Image Reconstruction Algorithms with a Cross-Tracer Prior for Dual Isotope Myocardial Perfusion SPECT
Nate Crookston	Dose comparisons between the Walrand liver model and Fung's physically based model
Taek-Soo Lee	Performance Evaluation of the SEDECAL SuperArgus PET/CT 4R scanner for High-Resolution Small-Animal Imaging
Yoonsu Kim	Speed of sound estimation with active PZT element for thermal monitoring during ablation therapy: Feasibility study