



CANBERRA
Users' Group Meeting


General Information

NUCLEAR MEASUREMENT SOLUTIONS FOR SAFETY, SECURITY & THE ENVIRONMENT

- **Welcome**
- **Meeting Schedule**
- **Group Dinner Info**
- **Meeting Space Layout**
- **Attendee List**





WELCOME

» Dear Users' Group Attendee:

Thank you for joining us for what we believe will be an informative, interactive and enjoyable event. I would like to point out some highlights of our schedule to make sure you take full advantage of all we have to offer this year.

Our office will be located in Ravinia Ballroom Prefunction. Registration hours are:

- Monday – 7:30 am to 9:30 am
- Tuesday – 7:30 am to 9:30 am and 4:30 pm to 6:00 pm

We would like to thank this year's co-host, Exelon. They will welcome us to Chicago on Wednesday morning during the general session where we will learn a little more about this great city and about their power generation fleet.

We have two exciting social functions that you are invited to with your guests. Be sure to join us for our Chicago-themed Welcome Reception on Tuesday evening from 7:30 pm to 9:30 pm in the Botanic Garden Ballroom. Our Thursday night dinner will be at the Arlington Park Race Track. The race track is just about 15 minutes from the hotel. We will start boarding the buses at the Westin at 6:30 pm. Once we arrive at the track we will have hors d'oeuvres outside on the patio while everyone tours the grounds. We will also have a group photo taken and then move inside to the 4th floor International Room for dinner.

Guests of each registered Users' Group Meeting participant may attend the two social functions free of charge. All other scheduled meals and sessions are considered business events and are limited to participants only. All guests who are attending the social functions must be registered in advance and must have a ticket for each event to gain admittance. Walk-ins cannot be accommodated. If you need to make changes to the guests you registered online, please contact me by e-mail at tammy.pattison@canberra.com or come see me in the office.

Our demo room will be open several times during the week to give you an opportunity to learn about our innovative solutions and services and to interact with our product managers. Take our Demo Room Challenge and you will be entered for a chance to win an iPad mini.

This year many of our breakout sessions have been awarded Continuing Education Credits from the American Academy of Health Physics (AAHP). There will be sign in sheets in each breakout session. Once you complete the session you will receive an electronic certificate for your records via email.

Electronic meeting evaluations will be e-mailed on Friday when our event concludes. Please be sure to fill this out online as quickly as possible because the information you provide is very important to us in our planning for future meetings. When we receive your completed survey you will be entered into a raffle for a great electronic prize!

I hope you enjoy this year's meeting and all that Chicago has to offer!

Sincerely,



Tammy Pattison, CTSM
Manager, Operational Marketing



CANBERRA

» Meeting Schedule

> Monday, June 16, 2014

Time	Session	Instructor	Location
7:30 – 9:30 am	Registration		Ravinia Ballroom Prefunction
7:30 – 8:30 am	Continental Breakfast		Meeting Room Prefunction
8:30 – 12:00 pm	Training Seminars		
	Gamma Spectroscopy Fundamentals Refresher	<i>Doug Van Cleef</i>	Elm Room
	Nuclide Activity Calculations – The CANBERRA Way	<i>Dave Groff</i>	Willow Room A
	Gamma Spectroscopy Data Review	<i>Cathey Sharp</i>	Birch Room A
	Fundamentals of Radiochemical Separations for Alpha and Beta Emitters	<i>Eichrom</i>	Birch Room B
	HIS-20 Track	<i>Joanne Roberson</i>	Maple Room
10:00 – 10:30 am	Break		Meeting Room Prefunction
12:00 – 1:00 pm	Lunch		Ravinia Ballroom C
1:00 – 4:30 pm	Training Seminars		
	Gamma Spectra Interpretation Refresher	<i>Doug Van Cleef</i>	Elm Room
	Cascade Summing Corrections – Apply As Needed	<i>Dave Groff</i>	Willow Room A
	Unidentified Gamma Peaks, Let's Identify!	<i>Cathey Sharp</i>	Birch Room A
	HIS-20 Track	<i>Joanne Roberson</i>	Maple Room
2:30 – 3:00 pm	Break		Meeting Room Prefunction



> Tuesday, June 17, 2014

Time	Session	Instructor	Location
7:30 – 9:30 am	Registration		Ravinia Ballroom Prefunction
7:30 – 8:30 am	Continental Breakfast		Meeting Room Prefunction
8:30 – 12:00 pm	Training Seminars		
	Using LabSOCS™ to Model Your Favorite Container	<i>Dave Groff</i>	Willow Room A
	Radiochemical Detection & Quantification	<i>Cathey Sharp</i>	Birch Room A
	Quality Control Part 1 – MARLAP Principles	<i>Tim Royals</i>	Elm Room
	iCAM™ Continuous Air Monitor Operations and Maintenance	<i>Tim Martinson/ James Forde-Johnston</i>	Birch Room B
	Practical Aspects of Liquid Scintillation Counting	<i>Chuck Passo</i>	Willow Room B
	Contamination Monitoring Basics	<i>Shawn Googins</i>	River Ballroom C/A
	HIS-Track	<i>Joanne Roberson</i>	Maple Room
10:00 – 10:30 am	Break		Meeting Room Prefunction
12:00 – 1:00 pm	Lunch		Ravinia Ballroom C
1:00 – 4:30 pm	Training Seminars		
	IUE – Not Just Another Silly Acronym	<i>Dave Groff</i>	Willow Room A
	Radiochemical Measurement Uncertainty	<i>Cathey Sharp</i>	Birch Room A
	Quality Control Part 2 – MARLAP Applications	<i>Tim Royals</i>	Elm Room
	Contamination Monitoring Advanced Topics	<i>Shawn Googins</i>	River Ballroom C/A
	HIS-Track	<i>Joanne Roberson</i>	Maple Room
2:30 – 3:00 pm	Break		Meeting Room Prefunction
4:30 – 6:00 pm	Registration		Ravinia Ballroom Prefunction
7:30 – 9:30 pm	Welcome Reception		Botanic Garden Ballroom

> Wednesday, June 18, 2014

Time	Session	Instructor	Location
7:00 – 8:00 am	Breakfast		Botanic Garden Ballroom
General Session			
8:00 – 8:15 am	Welcome	<i>Linda Ostrowski – CANBERRA</i>	Ravinia Ballroom C & D
8:15 – 8:30 am	Welcome to Chicago from our Co-Host	<i>Kevin Burroughs – Exelon Nuclear</i>	
8:30 – 9:00 am	Opening Remarks	<i>Bud Sielaff – CANBERRA</i>	
9:00 – 10:00 am	Featured Presentation – Recent developments in gamma-spectrometry at the UK Radionuclide Laboratory	<i>Ashley Davies and Jonathan Burnett – UK CTBT Radionuclide Laboratory</i>	
10:00 – 10:30 am	GEORGINA: A Small Array of Germanium Detectors for Nuclear Astrophysics	<i>Ed Stech – University of Notre Dame</i>	
10:30 – 11:00 am	Break		Ravinia Pre-Function
11:00 – 11:30 am	Babies, Persimmons, and Spiders; Adventures in Post-Fukushima Japan	<i>Frazier Bronson – CANBERRA</i>	
11:30 – 12:00 pm	NRC Health Physics Training Laboratory	<i>Henry Lynn – U.S. Nuclear Regulatory Commission</i>	
12:00 – 12:30 pm	Fuel Defect Monitoring	<i>Andrew Jeffery – Ontario Power Generation</i>	
12:30 – 1:30 pm	Lunch		Botanic Garden Ballroom
Breakout Sessions			
1:30 – 3:00 pm	The Latest in SafePoint Technology	<i>Tim Martinson</i>	Ravinia Ballroom A
	Primer Spectroscopy Fundamentals	<i>Doug Van Cleef</i>	Ravinia Ballroom B
	Gamma Imager	<i>Dominique Rothan</i>	Ravinia Ballroom F
3:00 – 3:30 pm	Break		Ravinia Pre-Function
3:30 – 5:00 pm	HORIZON Supervisory Software for Control and Oversight of a Range of CANBERRA Devices	<i>Steve Laskos</i>	Ravinia Ballroom A
	Gamma-Ray Spectroscopy for Education and Research	<i>Pete D'Agostino/ Kara Morris</i>	Ravinia Ballroom B
5:30 – 7:30 pm	Demo Room		River Ballroom C/A



> Thursday, June 19, 2014

Time	Session	Instructor	Location
7:00 – 8:00 am	Breakfast		Botanic Garden Ballroom
General Session			
8:00 – 8:05 am	Meeting Updates	<i>Bud Sielaff – CANBERRA</i>	Ravinia Ballroom C & D
8:05 – 9:30 am	Keynote Speaker – The Past is Prologue: Energy Transitions, Yesterday and Today	<i>Richard Rhodes – Author</i>	
9:30 – 9:50 am	Break		Ravinia Pre-Function
9:50 – 10:20 am	Using Large Gamma-Ray Spectrometers and Exotic Beams To Peek Inside Matter	<i>Corina Andreoiu – Simon Fraser University</i>	
10:20 – 10:50 am	Whole Body Counting at Fort Calhoun Station	<i>David Brehm – Fort Calhoun Nuclear Station</i>	
Breakout Sessions			
11:00 – 12:30 pm	Live CAM200 Demonstration	<i>Hitesh Patel</i>	River Ballroom C/A
	Hand-Held Health Physics products and CSP™ family	<i>Frederic Meyer</i>	Ravinia Ballroom E
	Sample Counting with Apex-Gamma™ & Genie™ 2000	<i>Steve Laskos/ Kara Morris</i>	Ravinia Ballroom F
12:30 – 1:30 pm	Lunch		Botanic Garden Ballroom
Breakout Sessions			
1:30 – 3:00 pm	Radiation Monitoring Success Stories	<i>Tim Martinson</i>	Ravinia Ballroom E
	Contamination Monitors	<i>Dominique Rothan</i>	River Ballroom C/A
	New Developments in High-Purity Germanium Detectors	<i>Jonas Douwen</i>	Ravinia Ballroom F
3:00 – 3:30 pm	Break		Ravinia Pre-Function
3:30 – 5:00 pm	Non-traditional Use of Spectroscopy for RMS Applications	<i>Tim Martinson</i>	Ravinia Ballroom E
	Latest Developments in Alpha/Beta Counting & Alpha Spectroscopy	<i>Lee Reagan</i>	Ravinia Ballroom F
	Latest Development In InVivo Counting	<i>Steve Laskos</i>	Ravinia Ballroom B
5:00 – 6:30 pm	Demo Room		River Ballroom C/A
6:30 pm	Board Buses for Group Dinner		Lobby
7:00 – 10:30 pm	Group Dinner (See next page for more details)		Arlington Park Race Track

» Group Dinner at Arlington Park Race Track

Evening Schedule

6:30 – 6:45 pm	Meet in hallway in front of the Botanic Garden room to board buses
7:00 pm	Arrive at Arlington Park Race Track
7:00 pm	Group photo on patio
7:00 – 8:00 pm	Cocktail hour on patio Docent tours of facility
8:00 pm	Move to International room for dinner
8:15 – 9:00 pm	Dinner served
9:00 – 9:15 pm	Concluding remarks and raffle
9:15 – 10:30 pm	Dessert and dancing
10:30 pm	Board buses back to the Westin

- > **All registered Users' Group Meeting participants and their guests may attend this dinner free of charge.**

Everyone attending the social functions must be registered in advance and must have a ticket to gain admittance. Walk-ins cannot be accommodated. If you need to make changes to the guests you registered online or for yourself, please e-mail tammy.pattison@canberra.com or come see Tammy in Ravinia Ballroom Prefunction.

- > **Dress code is business casual.**





The history of Arlington International spans more than 80 years of struggles and successes. Described as “the most beautiful track in America”, Arlington began Thoroughbred racing on October 13, 1927, when more than 20,000 fans braved the cold weather to celebrate the event in high style. Jockey Joe Bollero guided Luxembourg to victory in the first race ever at Arlington.



The track went on to survive the Great Depression and World War II, and later flourished during the Golden Era of Racing. In 1981, Arlington played host to the world's first million dollar race: The Arlington Million. The result of that race is immortalized in bronze at the top of the Paddock.



> Friday, June 20, 2014

Time	Session	Instructor	Location
8:00 – 11:00 am	Continental Breakfast		River Ballroom C
8:00 – 11:00 am	Demo Room		River Ballroom C/A
	<ul style="list-style-type: none"> Live Demo! – (9:00 – 9:30 am) Monitoring your Instruments with Horizon 	Steve Laskos	
	<ul style="list-style-type: none"> Live Demo! – (9:45 – 10:15 am) Apex-Alpha/Beta™ Demonstration 	Lee Reagan	
	<ul style="list-style-type: none"> Live Demo! – (10:30 – 11:00 am) Educational Experiment with CANBERRA's New Labkit 	Kara Morris	
Game time 3:05 pm	Chicago Cubs vs. Pittsburgh Pirates  <p>Limited tickets available. Transportation to and from the game will not be provided by CANBERRA.</p> <p>Everyone attending the baseball game must have registered in advance and must have a ticket to gain admittance. If you need to make changes to you or the guests you registered online, please e-mail tammy.pattison@canberra.com or come see Tammy in Ravinia Ballroom Prefunction.</p>		Wrigley Field 

» Live Demonstrations!

Friday's demo room session, will feature special product demonstrations on the following topics.

9:00 – 9:30 am: Monitoring your Instruments with Horizon

See how the Horizon supervisory software can be used to monitor a variety of instruments. Live connections to several types of instruments will be used such as the iCAM, EcoGamma™ and Contamination Monitors. Key monitoring features and interactive features will be discussed, and new features will be highlighted such as touchscreen support, audible alarms, web interface and support for the new WebRemote interface for CANBERRA's Contamination Monitor products.

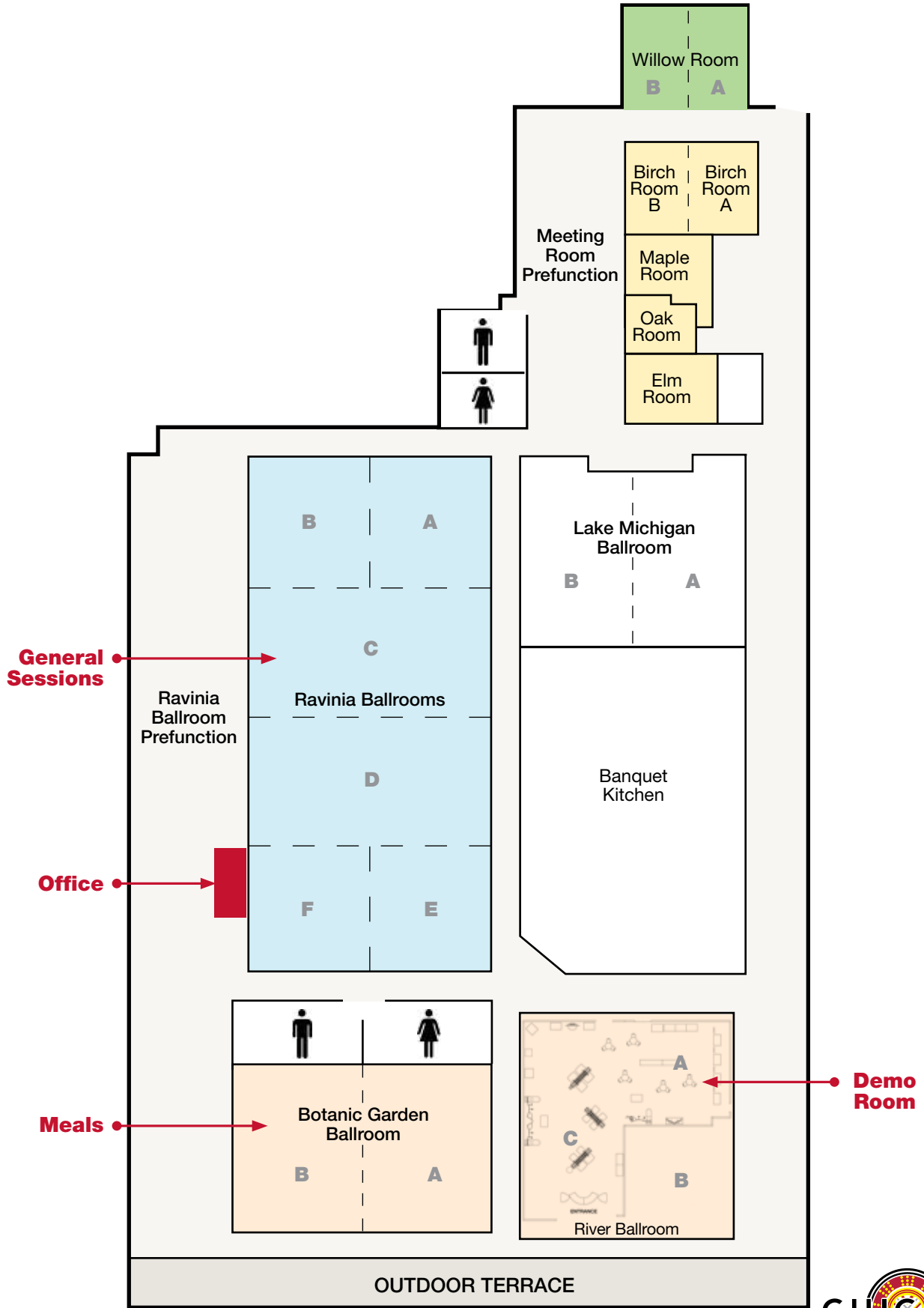
9:45 – 10:15 am: Apex-Alpha/Beta Demonstration

Curious about Apex-Alpha/Beta? This demonstration using real hardware and live software will cover the ins and outs of Apex for Alpha/Beta instruments. The demonstration will show how CANBERRA has integrated a unique software package that can operate a number of current and legacy counters while still maintaining the Apex look and feel. Device setup, system calibration, and sample counting will be revealed as well as innovative features such as gas conservation and monitoring, fitting models for sample self-absorption, and QC analysis. Come learn how the complexities of setup and analysis have been simplified so that routine tasks such as sample counting can be accomplished with a few simple mouse clicks.

10:30 – 11:00 am: Educational Experiment with CANBERRA's New Labkit

Drawing from CANBERRA's new Nuclear Science Experiments with Digital Equipment teaching laboratory manual, come see one of the experiments performed from beginning to end. Each streamlined experiment allows for comprehensive exploration of a fundamental nuclear physics principle. See how the equipment is set up, the data is collected, and the results analyzed, and come away with a concrete understanding for how easily this process can be replicated in your teaching facility.

Westin – Meeting Space Layout



» Thank you to our 2013 attendees!



... the response was fantastic!

“ *This is a great conference to meet people and learn from each other. If there is one training/conference I could attend each year it would be this one. The technical representation that Canberra brings to these meetings is what we need.*

“ *This was my second users conference and my experience was not only educational, but I was able to interface and meet some great people.*

“ *Presenters were well prepared and led meaningful discussions in breakout sessions.*

“ *The training and User Group Meeting met all of my expectations, and am looking forward to the next one.*



CANBERRA

Save the date

June 22 – 26, 2015

Connecticut



THE FOX TOWER





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Environment



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