

**ARIA 2015**  
**Workshop on Accelerator Radiation Induced Activation**  
**15-17 April 2015, Knoxville, Tennessee, USA**

<b>Wednesday, April 15, 2015</b>		
<b>Time</b>	<b>Topic</b>	<b>Presenter</b>
8:30 AM – 9:00 AM	Introduction by Franz Gallmeier Welcome by Don Abercrombie	
9:00 AM – 9:30 AM	Study on Induced Radioactivity of China Spallation Neutron Source	Wu
9:30 AM – 10:00 AM	Activation Calculations for the MYRRHA Accelerator-Driven System Design	Ferrari
10:00 AM – 10:30 AM	Morning Break	
10:30 AM – 11:00 AM	Code Development on Activity in SRTC	Hu
11:00 AM – 11:30 AM	Simulation of the Production of Radionuclides Using Geant4	Koi
11:30 AM – 12:00 PM	New Features in FLUKA for Activation Studies	Roesler
12:00 PM – 1:30 PM	Lunch	
1:30 PM – 2:00 PM	Activation Assessments of Soil and Ground Water in the Underground Facility of the Linear Accelerator at RAON	Lee
2:00 PM – 2:30 PM	Activation of Groundwater Around High-Energy Electrons Accelerators. Monte-Carlo Derived Formulae for Shielding Design.	Santana
2:30 PM – 3:00 PM	Exposure Due to Activated Air from Accelerator Operation: Comparison of Internal and External Exposure Exemplified at Recent Air Activation Studies for Selected Facilities in the CERN PS Accelerator Complex	Froeschl
3:00 PM – 3:30 PM	Afternoon Break	

3:30 PM – 4:00 PM	CINDER2008 – A New Version of CINDER	Micklich
4:00 PM – 4:30 PM	The ACTIVATION / GAMMA SOURCE Interface of CINDER2008	Iverson
4:30 PM – 5:00 PM	The CINDER2008 Library_Maker Code	Gallmeier
5:00 PM – 5:30 PM		
5:30 PM	Reception: Open discussions on Future Tools and Data for Activation Analysis and Visualization led by Gunter Muhrer	

## Thursday, April 16, 2015

Time	Topic	Presenter
8:30 AM – 9:00 AM	Remanent Activation in the mini-SHINE Experiments	Micklich
9:00 AM – 9:30 AM	100 MeV Proton-Induced Activation from High-Z Elements	Lee
9:30 AM – 10:00 AM	Activation Analysis in Steel and Tungsten Samples at FMITS	Lu
10:00 AM – 10:30 AM	Morning Break	
10:30 AM – 11:00 AM	Relating Beam Loss, Activation and Residual Radiation for 400 kW Operation of the Fermilab Main Injector	Brown
11:00 AM – 11:30 AM	An Activation Database for Materials Used at High-intensity Laser Acceleration Facilities	Ferrari
11:30 AM – 12:00 PM	Estimate of the Total Decommissioning Radioactive Waste of the High Intensity Proton Accelerator (HIPA) Facility at PSI	Kiselev
12:00 PM – 1:30 PM	Lunch	
1:30 PM – 2:00 PM	Initial Decommissioning Plan for European Spallation Source Facility	Ene

2:00 PM – 2:30 PM	Analyses in Support of SNS Waste Classification	Popova
2:30 PM – 3:00 PM	Development of an In-Situ Radiological Classification Technique for Material and Waste from CERN's Accelerator Facilities	Walter
3:00 PM – 3:30 PM	Afternoon Break	
3:30 PM – 4:00 PM	Measurement of Residual Nuclides by 400MeV/u carbon on Lead Target	Liang
4:00 PM – 4:30 PM	Activation Measurements in Collisions of Proton and Relativistic Deuteron Beams with Uranium Spallation Targets	Zavorka
4:30 PM – 5:00 PM	Be-7 Measurements Around a Liquid-Lithium Target High-Intensity Neutron Source	Halfon
6:00 PM	Dinner: "Mad as a Hatter: the Spallation Neutron Source Mercury Target"	Riemer

Friday, April 17, 2015		
Time	Topic	Presenter
8:30 AM – 9:00 AM	Activation Assessment of the SNS STS	Remec
9:00 AM – 9:30 AM	Residual Dose Calculation for the ELBNF Horn 1	Reitzner
9:30 AM – 10:00 AM	Activity Calculation for the Atmosphere Neutron Irradiation Spectrometer	Yu
10:00 AM – 10:30 AM	Morning Break	
10:30 AM – 11:00 AM	FISPACT-II & TENDL-2014: A System for Modeling of n, d, p, $\gamma$ and $\alpha$ Activation and Transmutation Processes	Sublet
11:00 AM – 11:30 AM	Application of ADVANTG with MCNP to Provide Reduced Uncertainties in Isotopic Production Rates	Risner
11:30 AM – 12:00 PM	The Radiological Workstation- an Efficient Tool for In-Situ Characterization of Potentially Radioactive Material	Geyer

12:00 PM – 12:30 PM	Closeout	
12:30 PM – 1:30 PM	Lunch	
1:30 PM – 2:00 PM	Travel to Oak Ridge National Laboratory	
2:00 PM – 5:00 PM	Tour of Spallation Neutron Source at Oak Ridge National Laboratory	