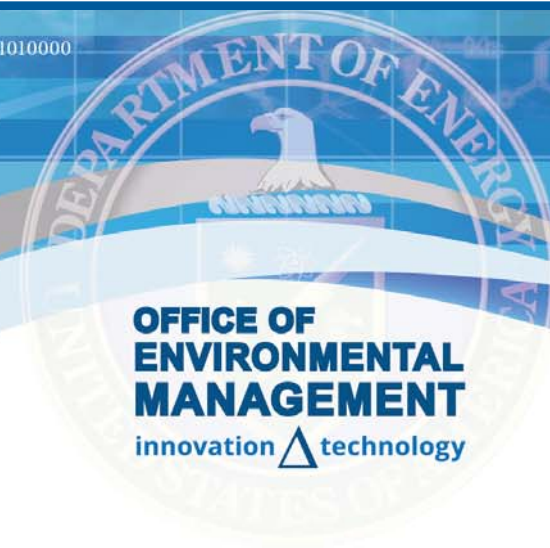
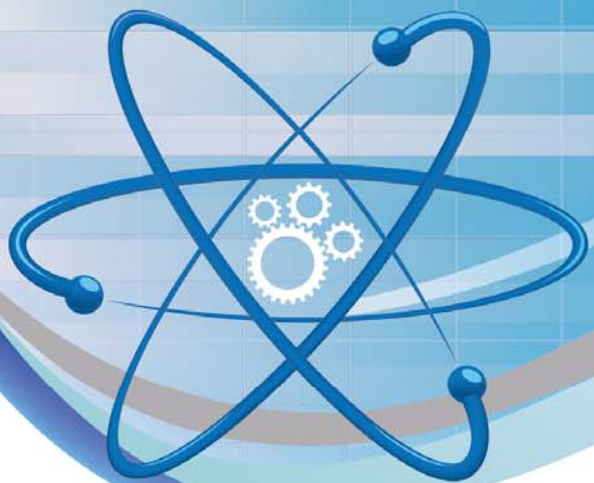


01001100 01000101 01000111 01000001 01000011 01011001 00100000 01000011 01001100 01000101 01000001 01001110 01010101 01010000

$R(t) = R_0 e^{-\lambda t}$	$A_t = A_0 e^{-\lambda t}$	$N_t = N_0 e^{-\lambda t}$	$I_x = I_0 e^{-\lambda t}$	$A = \lambda N$	$D = \Gamma A / d^2$	$t_{(u/2)} = \tau \ln(2)$
6.022×10^{23}	3.14159	0.66274	2.71828	1.41421	0.57721	1.61803



Panel 062: Nuclearized Robotics - Perspectives on Use and Need

March 7, 2017

- ❖ Two sub-panels (062A and 062B)
 - Six 10-minute Power Briefs followed by Q&A
- ❖ 10-minute intermission between sub-panels
- ❖ PANEL 062A – 1:55 to 3:10 PM (75 minutes)
 - INTERMISSION - 3:10 to 3:20 PM (10 minutes)
- ❖ PANEL 062B – 3:20 to 5:00 PM (100 minutes)

Panel 062A: 1:55 to 3:10 PM

- ❖ Panel Introduction
 - Rod Rimando, US DOE EM
- ❖ End-User Perspectives
 - Carol Landry, International Vice President, United Steelworkers (USW)
 - Jim Key, President, USW-Atomic Energy Workers Council
 - Marty Reibold, Director, Strategic Initiatives, Fluor-BWXT | Portsmouth
- ❖ Federal Agency Perspectives
 - Robert Ambrose, Principal Technologist, Johnson Space Center, National Aeronautics and Space Administration
 - Harris Edge, Team Leader, Advanced Mobility and Manipulation, U.S. Army Research Laboratory
 - Kam Saidi, Mechanical Engineer, Intelligent System Division, National Institute of Standards and Technology
- ❖ 10-minute Q&A with 062A Speakers
 - Facilitated by Philip Heermann, Sandia National Laboratories

Panel 062B: 3:20 to 5:00 PM

❖ University Perspectives

- William “Red” Whittaker, Professor, Carnegie-Mellon University
- Thomas Sugar, Associate Professor, Arizona State University

❖ International Perspectives

- Shinji Kawatsuma, Senior Engineer, Japan Atomic Energy Agency
- Rob Buckingham, Director, Remote Applications in Challenging Environments, United Kingdom Atomic Energy Authority

❖ National Lab Perspectives

- Philip Heermann, Senior Manager, Sandia National Laboratories
- Thomas Nance, Director, Research & Development Engineering, Savannah River National Laboratory

❖ 35-minute Q&A with Speakers from 062A and 062B

- Facilitated by Richard Voyles, Purdue University

❖ Session/Panel Wrap-Up

- Rod Rimando, US DOE EM

Panel 062 Staff

❖ Co-Chairs

- Richard Voyles (Purdue University)
- Philip Heermann (Sandia National Laboratories)

❖ Organizers

- Rod Rimando (DOE EM)
- John Lee (DOE EM)
- Paul Dixon (Los Alamos National Laboratory)

❖ Reporters

- Genia McKinley (DOE EM)
- Paivi Nettamo (DOE EM)

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