

		Poster Presentations
Poster # Bioscience	Rm. 630	
1 Brown	Ethan	Invariant Feature Recognition Using Dendritic Processing
2 DeAguero	Shannon	Examining the Role of Intracellular Tyrosine Residues in TLR4 Signaling
3 Duval	Nathan	Stability of Diverse Pathogens in Indoor Environments
4 Gleasner	Cheryl	Genome Sequencing: Yesterday, Today and Tomorrow
5 Hammon	Jessica	Deception Detection
6 Levy	Philippe	Respirate! An Analysis of CO2 Efflux Versus Water Content and Temperature in New Mexican Soils
7 Miller	Erica	Capture, Extraction, Amplification and Detection of Influenza A: Toward the Integration of Discrete Biological Steps on a Single Platform
8 Ortega	Stephen	Chromosome Isolation
9 Powers	Heath	Measuring Soil CO2 Fluxes and Stable Isotopes With a Chamber System and Tundable Diode Laser
10 Ray	Crystal	Riparian Area Surveys in Mortandad Canyon
11 Resnick	Jesse	Waveguide Based Optical Biosensor for the Detection of Disease Markers
12 Rodriguez	Alayna	Cloning of M. Tuberculosis Genes for the TB Structural Genomics Consortium
13 Sanchez	Timothy	Comparison of Proteomic Analysis Software
14 Smith	Amber	Within-Host Dynamics of Secondary Infections: Influenza and Streptococcus Pneumoniae
		Within Floor Dynamics of Geography Infections. Influenza and Grephococcus Flouritoniae
Poster # Chemistry 1 Asani	Ernest	Design, Synthesis and Characterization of Metal-Organic Frameworks Based on the Organic Ligand 4-(1H-1,2,4-triazol-1-ylmethyl) Benzoic
2 Boukhalfa	Sofiane	Acid Redox Chemistry of Carbon Nanotubes
3 Brady	Christina	Multiplexed Assemblies for SERS-Detection Applications
4 Bretzke	Laina	Liquid-Liquid Plutonium Recovery Using Ionic Liquids
5 Cai	Lawrence	Preparation and Use of Novel Organosilanes for Biosensor Applications
		Study of Some Chemical Properties of Hypohalites
6 Dugger	Jason	
7 Guido	John	A Study of Decorporation Agents to be Used in the Event of a Dirty Bomb
8 Izraelevitz	Jacob	Determining the Porosity of Silica Thin Films Using Ellipsometry
9 Kluk	Chandra	Solution and Solid State Chemistry of Cerium (III/IV) in Alkaline Peroxide Carbonate Solution
10 Montoya	Willie	Removal of Trace Plutonium from Uranium Residues via Ion Exchange/Extraction Chromatography Systems
11 Price	Dominique	Aminopropylsilane-based SAMS: Stability Studies and Thiol Capture
12 Rabin	Scott	Ligand Design for Long-Range Electronic and Magnetic Coupling Between Polynuclear Metal-Ligand Complexes
13 Rastogi	Pawan	Recovery of Radioarsenic From Irradiated Se Targets and its Chelation With DMSA for Radiolabeling Purposes
14 Walsh	Courtney	Shock Chemistry Analysis of Tert-Butylacetylene and Trimenthysilylacetylene
15 Williamson	Kevin	Chemistry of U(VI) and Lanthanide (III) Complexes in Alkaline Carbonate-H2O2 Solutions
Poster # Computing	Rm. 631	
29 Alexander	Lisa	Summer Workshop on Mining Legacy Fortran Code
1 Ambrosiano	Laura	Improving Web Visibility for National Security Story
2 Auxier	John	C-AAC MTE Equipment and Chemical Standards Database
3 Baker	Martin	Software for Humans
25 Balise	Dustin	Xen Vitualization Scaling and Enterprise Environment
4 Barela	Michael	Installation and Maintenance of Thermo-Hygrometer system for Standards & Calibration Laboratory
5 Blauert	Scott	The Facility Browser
29 Bowidowicz	Tom	Summer Workshop on Mining Legacy Fortran Code
26 Boyer	Colby	Comparison of 10GigE and InfiniBand Interconnects
25 Davydenko	Ekaterina	Xen Vitualization Scaling and Enterprise Environment
27 DeHerrera	David	PDMLink
6 Ferrell	Paul	A Communication System for FRNSE
28 Figg	Jeannette	Worldwide Collaborative Environments
7 Gutierrez	Samuel	Increasing The Long-Term Viability Of Open Source Performance Analysis Software
29 Ho	Karen	Summer Workshop on Mining Legacy Fortran Code
8 Iskander	Yousef	Compiling for Configurable Processors
9 Izraelevitz	Joseph	Analyzing Software Dependencies on Supercomputers
29 Kenyon	Zach	Summer Workshop on Mining Legacy Fortran Code
10 Kiedrowski	Brian	Implementation of CAD-Based Radiation Transport in MCNP6 Using DAGMC Capabilities
11 Knauss	Carl	Lujan Center PIX Firewall Project
25 Krutsch	Kevin	Xen Vitualization Scaling and Enterprise Environment
12 Kutac	Nicholas	Oracle MRP Implementation for Pit Manufacturing



20 Largen	Amanda	Markhuida Callabarativa Faviranmanta
28 Larson	Amanda	Worldwide Collaborative Environments
28 Lewis	Heidi	Worldwide Collaborative Environments
26 Lopez	Joseph	Comparison of 10GigE and InfiniBand Interconnects
13 Lopez	Veronica	NERF-NEtwork Regression Test Framework
14 Lovato	Aaron	The Framework for Responding to Network Security Events: Protecting Data on the LANL Network
15 Lucero	Kimberly	Spares and Telecommunications Project
16 Manzanares		Wireless Penetration Testing and AirDefense Response
29 Mason	Daniel	Summer Workshop on Mining Legacy Fortran Code
26 McCormick	Kimberly	Comparison of 10GigE and InfiniBand Interconnects
27 Medina	Rey-Lynn	PDMLink
28 Merrigan	Dylan	Advance Health Monitoring of Computer Clusters
17 Meyers	Susan	The Anatomy of a 0 iframe Exploit
28 Morse	Caleb	Advance Health Monitoring of Computer Clusters
18 Ortiz	Larry	Bart's Preinstalled Environment (BartPE) Utility CTN-2 version 5.1
19 Parag	Parimal	Achieving Desired Buffer Occupancy for a Single-Server Queue
20 Redman	Greg	Cryptology
21 Romero	Adrian	LANL HPC Monitoring Via Skummee
28 Salas	Sherry	Advance Health Monitoring of Computer Clusters
22 Santos	Ben	Roadrunner System Monitoring (RASilience + LANLx)
23 Slane	Del	Referential Content Management for Redundant Information
24 Stupka	Richard	Data Management and Visualization Through Google Earth
29 Sutherland	Landon	Summer Workshop on Mining Legacy Fortran Code
29 Swinhoe	George	Summer Workshop on Mining Legacy Fortran Code
29 Wang	Arick	Summer Workshop on Mining Legacy Fortran Code
Poster # Earth & Sp	ace Science	es Rm. 630
Butler	Michael	Relativistic Electrons at Geosynchronous Orbit
2 Curtis	Meredith	Application of Image Reconstruction Techniques to Mars Neutron Spectroscopy Data
3 Dvonch	Curt	Ultra-Precise Measurement Of Atmospheric Oxygen And Carbon Dioxide
4 Gogna	Karun	Environmental Fate of the Drilling Product "Quik-Foam" in Local Wells
5 Gray	Krista	The Response of Understory Vegetation to Pinon Mortality on the Pajarito Plateau.
6 Lucero	Christian	The Recovery of the Three-Dimensional Shear-Velocity Model From Surface-Wave Dispersion, Teleseismic Receiver Functions, and Gravity Observations Using the LSQR Inversion Method
7 Romero	Daniel	Baseline Radionuclide and Nonradionuclide Concentrations in Soils, Vegetation and Small Mammals at the Proposed Expansion Area at TA 54 Area G: 1994-2005
8 Schmidt	Andrea	Superluminal Emission Processes as the Key to Understanding Pulsar Radiation
Poster # Engineerin	g Rm. 632	
1 Bachmeier	Benjamin	Installation of Electromechanical Sysems in Glove Boxes
2 Bailon	Marcus	Reverse Engineering Laser Alignment System for T-Base Lathe
4 Bowyer	Justin	Development of Temperature-Mapping Systems for 1.3GHZ-9
38 Brooks	John	Fast Closing Valve Timing Analysis
5 Cappiello	Marcus	The Effects of Large Scale Plastic Deformation on HT-9
6 Clay	Benjamin	Stochastic Buffer Control Applied to Streaming Video
35 Day	Paul	Robotic Automation of Plutonium Oxide Packaging
7 Gibbs	Paul	The Straight and Narrow: Computer Modeling of Casting for GNEP
8 Gonzalez	Oscar	Tool Insert Development for Machining Plutonium
9 Guerra	Jorge	A Review of the Wet Vacuum System Designs in the Chemistry and Metallurgy Research Replacement Project
10 Hammetter	Chris	Probing Elastomer Foams with Dielectric Elastomer Devices
11 Herrera	Richard	Interference Fit of the 40mm Gas Gun Surrogate Samples
12 Hornsby	Fawn	An Assessment of the QUIC Dispersion Modeling System for Flow Around Isolated Buildings
13 Igle	Robert	Modeling of an Aerosol Collection Inlet for Interior Monitoring
14 Jackson	J. Matt	3013 Headspace Gas Sampling Project
15 Jimenez-	Salomon	Finite Element Simulation of Electro Active Polymers
16 Karrels	Tyler	Improving Network Connectivity in Wireless Ad Hoc Networks
17 Limmer	David	Determination of the Hydrogen Concentration Distribution around a Crack Tip Using Numerical Analysis
18 Lischeske	Jim	Dynamics in Granular and Micro-Fluidic Flow
19 Lopez	Jacquelyn	Liquid-liquid Extraction of Iron(III) from Hydrochloric acid Solution by Dodecane, Tri-n-Butyl Phosphate, and Dodecanol
20 Maestas	Jessica	A High Pressure Gas Transfer System for the Operation of a Single Stage Light Gas Gun



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	Martinez	Armando	Fast Closing Valve Timing Analysis
	Martinez	Ricardo	Refurbishment of the Bell Jar Assembly
	Martinez	Ray	Automation of Mechanical Systems
	Martinez	Rebecca	Seismic Qualification of Gloveboxes
	Mason	Aaron	The Use of Bis-triaminoguanidinium Azotetrazolate (TAGzT) as a Burning Rate Modifier
24	Miles	Jason	Glove Box Tools
25	Mourant	Kirsten	High Level Systems Model of the GNEP Fuel Cycle
26	Murdock	Hailey	3He Permeation through Fused Silica Inertial Confinement Fusion Targets
36	Myers	Reese	Refurbishment of the Bell Jar Assembly
27	Nelson	Michael	Building a Prototype Heat Exchanger for the MTS at LANSCE
28	Paul	Blaise	Gas Dynamics Modeling for Pyrotechnically/Explosively Actuated Devices
29	Reckinger	Scott	Application of the Dynamically Adaptive Wavelet Collocation Method to Direct Numerical Simulation of Compressible Turbulent Mixing
35	Rector	Stuart	Robotic Automation of Plutonium Oxicde Packaging
30	Robles	Norique	Mechanical Aspects Associated with Data Systems
31	Rosales	Jose	Remote Handling Waste System
32	Shoemaker	Zachary	Design of a System to Manage Engine Exhaust Gas
37	Triplett	Brian	Development of a Test Suite for Verification and Validation of Nuclear Data
37	Triplett	Kristen	Development of a Test Suite for Verification and Validation of Nuclear Data
	Unzueta	Michael	Refurbishment of the Bell Jar Assembly
33	Valdez	Lucas	Routine Performance Check for Optical Comparator Measuring Systems
34	Valdez	Mario	Coordinate Measuring Machine - Machine Checking Gage
	Materials S		
		Andrea	Annealing Hardening of Nanostructured Metals
	Sitarz	Stephanie	Synthesis and Characterization of Nanophosphors
	Mathematic		7,
	Stone	Timothy	Simulation of Airborne Contamination: Interpolation of Fixed Head Air Sample Data
	Zhao	Longhua	Model of Air-Driven Mucus Clearance Mechanisms in Lungs
	Non-Techn		<u> </u>
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1 2 3 Poster #	Altherr Rendell Purdy Physics Rr	Heather Bethany Jennifer n. Lecture I	Environment-Safety-Security Poster The Defense Nuclear Security Lessons Learned Center Description of Mission Statement, Objectives and Strategic Planning for CTN-4 Hall
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		Technical Talks
Bioscience	es	
Atlas	Jordan	Comparison of a Rule-Based and a Traditional Pathway Model of a Signal Transduction System
Hanson	Joshua	Cell Endocytosis of Fluorescent Silica Nanoparticles
Wilheim	Daniel	Evolution of Bacterial DNA Signatures
Zelenay	Paulina	X-Ray Scattering Investigations of Siderophores Interacting with Model Biological Membranes
Chemistry		
Hicks	Raea	Preparation and Luminescence Studies of Ru (II) Polypyridyl Complexes in Silica Nanoparticles.
Computing		
Brock	Matthew	Tree-Based Overlay Networks in High-Performance Computing
Cortez	Mandy	Searching the World Wide Web (WWW) with Efficiency
Davydenko	Ekaterina	Xen Vitualization Scaling and Enterprise Environment
Jackson	Julius	Writing and Executiting Test Cases in the Waste Compliance and
Konwinski	Andrew	A Close Look at Large Parallel Work Loads
Polte	Milo	Multidimensional Extensions to a Distributed Filesystem
Ramsey	Scott	The Eigenvalue Problem of Reflected Shock Waves Generated by Symmetric Implosions
Stan	Tiberiu	Automation of Authorization Requirements for Radioactive Waste Compliance
Talachy	Henry	Implementing Reporting Capabilities in LANL's Waste Compliance and Tracking System
Tietjen	Kelcey	Searching for Rootkits With Windows Memory Analysis Using EnCase
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Canfield	Jesse	Importance of Three-Dimensional Aspects in Wildfire Behavior
Colantuono		i ·
	Giuseppe	Topographically Intensified Rossby Basin Modes in a Two Layer Numerical Model
Gramann	Jonathan	Atmospheric Aerosol and Cloud Interactions
Nelson	Sarah	Two-Dimensional Modeling of a Fire or Plume in a Cross Flow and its Limitations
Sauer	Jeremy	Impact of Multiple Fuels Representation in Wildfire Modeling
Engineerin	ıg	
Barnett	Nathan	One Group Transport Cross Section Generation for MCNP
Canabal	Alberto	Coupled Thermal-Electromagnetic Model for the Analysis of Multilayer-Coated Superconducting Accelerating Structures
Davis	Adam	A New Analytical Formula For Photon Buildup Factors In Dual-Layer Shields
Geb	David	Practical DNA-Based Clinical Diagnostics
Godoy	William	Modeling Radiation Heat Transfer in Multiphase Flows
Harding	Lee	Electron Soft Collisions Using Moment Preserving Models in MCNP
Jaworski	Jason	Optimization of CdZnTe Semiconductor Anode Electrodes Using Gallus
Kienitz	Brian	A Half Cell Model of Steady State PEM Fuel Cell Performance Degradation Under Contamination by Foreign Cationic Species
Marchi	Alexandria	Complexity of Acoustic Emission Spectra during In-process Monitoring of Pinch Welds
Marzano	Matthew	Internal Electric Field Mapping of CZT Using Pockels Birefringence
Nelson	Andrew	Development of Diffusion Bonding Parameters for HT9-W and HT9-Ta
Solomon	Clell	A Linear Tally Combination Addition to MCNP
		A Carroll Pally Combination / Identification
Materials S Niemeyer	Alyson	High Quantum Efficiency Polymer Photoconductors Using Interdigitated Electrodes
Mathemati	cs	
Coxe	Julianne	How Many Licks Does it Take to Get to the Center of a Tootsie Roll Pop? -OR- How Many Hours Does it Take to Model the Local Atomic
0 "		Structure of a Sample? Two. Four SixSix!
Godinez	Humberto	Sensitivity Analysis in a Cloud Resolving Aerosol Model
Non-Techn	1	
Streeper	Charles	Nefarious Uses of Radioactive Materials
Physics		
Brannon	Sean	Non-thermal Plasma Effects on Hydrogasification of Coal
Brock	Jacob	Time Dependant Electron-Positron Pair Population in High-Energy Plasmas
 Chouinard	Emily	Modeling Electron Distributions and Radiation Spectra Produced in Gamma Ray Bursts
Faust	lan	Shielded Active Integrators for Use in Plasma Magnetic Field Diagnostics
Fletcher	Samuel	Jet Measurements for QGP Experiments at CMS
Gamble	John	Simulating a Quantum Ising Model on a Quantum Computer.
Hayes	Tiffany	Measurement of Plasma Temperature
Korzekwa	Richard	Hohlraum Reactions as a NIF Diagnostic
Kraus	Richard	An Improved Design for Explosively Driven Flyer Plates
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Li	Tony	The L ALPHA Spectra of Fe Ions
Mastbaum	Andrew	Simulation and Characterization of a Dark Matter Detector
Miller	Karen	Neutron Multiplication in Subcritical Systems
Perepelitsa	Dennis	High-Energy Neutron-Induced Transitions in Natural Lead
Tobash	Paul	Heavy Fermion Compounds: Understanding the Strong Electronic Correlations in f- Electron Systems