



Edison Electric Institute

**Occupational Safety and Health Committee
Conference**

Cleveland, OH

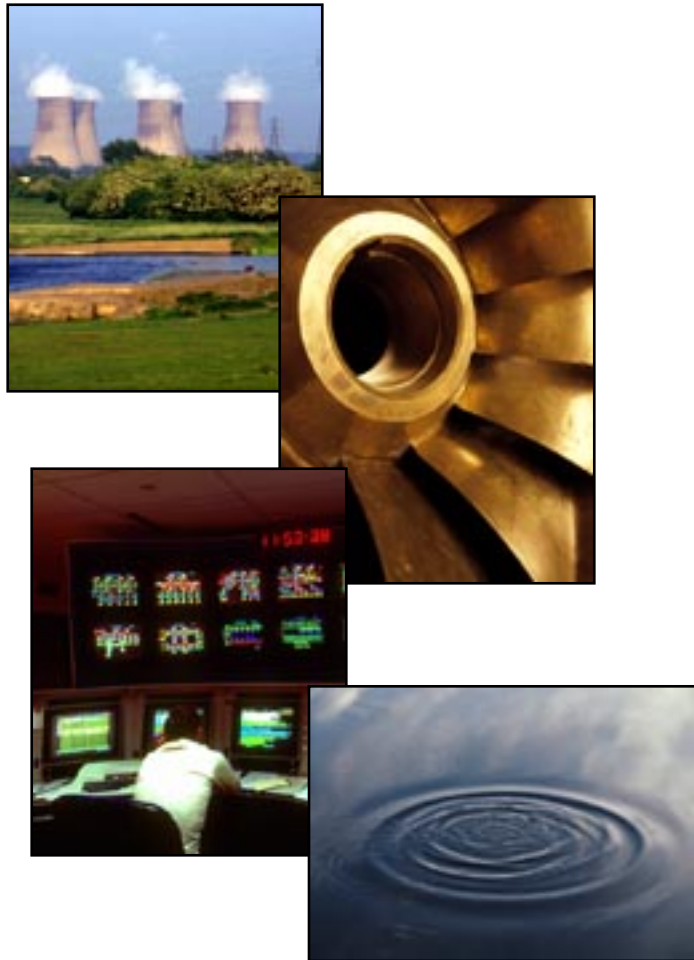
October 8, 2008

**Occupational Health and Safety
Research Program (Program 62)
at the Electric Power Research
Institute**

Gabor Mezei, MD, Ph.D.



Electric Power Research Institute



- Founded in 1973
- Collaborative R&D for the electricity industry
- Serving over 1,000 organizations, including 150 international participants, in over 42 countries
- U.S. members represent over 90% of U.S. electricity generated

Extensive Energy Research Program



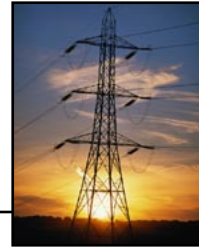
Generation & Distributed Resources

Environmental Control
Fossil Steam Plants
Combustion Turbines
Market Analysis
Renewables
Hydroelectric
Distributed Resources



Nuclear Power

Component Reliability & Safety
Nuclear Operations & Asset Management
Nondestructive Evaluation
Plant Technology



Power Delivery & Markets

Transmission
Substations
Grid Reliability
Power Markets
Distribution
Power Quality
Energy Utilization



Environment

Air Quality
Global Climate Change
Electric and Magnetic Fields (EMF)
Occupational Health & Safety (P62)
Land & Groundwater
Water & Ecosystems

EPRI OH&S Program – Current Scope

Occupational Injury Database

- Standardized reliable annual injury rates
- Trends, benchmarking

Ergonomics Research

- Distribution
- Generation
- Fleet vehicles

Occupational Health Issues

- Hexavalent chromium and welding
- Nanoparticles at power plants
- Crystalline silica in coal fly ash
- Radio-frequency burns at the workplace (w/ P60C)

2008 Deliverables

All anticipated on time (December 2008)

- Occupational Health and Safety Annual Report 2008
 - Technical Report 1015630
- Ergonomic Interventions for Power Plant Operators
 - Technical Report 1015631
- Analysis of Crystalline Silica in Coal Fly Ash
 - Technical Report 1015632
- Hex Chrome and Welding Feasibility Assessment
 - Technical Update 1016821
- Nanoparticles at Power Plants (Technology Innovations)
 - Technical Report 1016820
- Radio-Frequency Burns in the Workplace (Co-funded w/ P60C)
 - Technical Report 1015627

2009 & 2010 Plan

- Projects
 - Occupational Health & Safety Database Statistics
 - New information updates; special analyses; benchmarking
 - Ergonomics
 - Fleet Vehicles Interventions and Design Specifications
 - Ergonomics Instructional DVD
 - Occupational Exposure and Health Studies
 - Job-Exposure-Matrix Development for Utility Industry
 - Hex Chrome and Welding
- Additional Project Opportunities (TC)
 - Ergonomic Site Visit: Fleet Vehicles Project (4 per year)
 - Ergonomic Site Visit: Vegetation Management
 - Tailored OH&S Data Analyses & Benchmarking

Upcoming Events

EPRI Occupational Health & Safety Research Program

- Scientific Advisory Committee Meeting
 - November 6-7, 2008, Palo Alto, CA
- Business Advisory Council Meeting
 - March 16, 2009, San Diego, CA

Agenda

- Introduction
 - Louis Hosek, AEP
- EPRI OH&S Program Introduction
 - Gabor Mezei, EPRI
- Value of EPRI OH&S Program – Member Perspectives
 - Jack Sahl, SCE
- EPRI Ergonomics Research
 - Richard Marklin, Marquette University
- EPRI Occupational Injury Database
 - Michael Kelsh, Exponent
- Hex Chrome and Welding
 - Jeffrey Hicks, Exponent
- Nanoparticles at Power Plants
 - Jeffrey Hicks, Exponent

Thank you!

Contact Information

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