



**Center for Occupational and Environmental Health**  
*A NIOSH Education and Research Center*

**Continuing Education Program, UC Berkeley**

## **2012 SPRING OCCUPATIONAL HEALTH & SAFETY WEBINAR SERIES: Six One-hour Online Sessions 11am-12 Noon Pacific Time**

**February 1, 2012 ♦ February 22, 2012 ♦ March 1, 2012  
March 21, 2012 ♦ April 4, 2012 ♦ May 3, 2012**

**Convenience ♦ Low Cost • Timely Topics**

### **—SERIES TOPICS & DATES—**

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|-------------------------|---|
| <b># 1: February 1</b>  | <b>NFPE 70E for Everyone</b>  |
| <b># 2: February 22</b> | <b>Sustainability in Health &amp; Safety</b>  |
| <b># 3: March 1</b>     | <b>Nanotechnology Health &amp; Safety Update</b>  |
| <b># 4: March 21</b>    | <b>Overview of Ergonomics</b>   |
| <b># 5: April 4</b>     | <b>How UC Ergonomists Evaluated a High Risk Occupation and Developed Injury Reduction Strategies – Part One</b> |
| <b># 6: May 3</b>       | <b>How UC Ergonomists Evaluated a High Risk Occupation and Developed Injury Reduction Strategies – Part Two</b> |

#### **FACULTY**

- #1: Keith Gershon, MS, CSP, Safety Consultant – Electrical Safety & Hazardous Energy Control**
- #2: Diane Firu, Sustainability Consultant & Paula Lewis, MS, CPE, Principal Consultant, EORM**
- #3: Rick Kelly, MS, CIH, EH&S Facilities Manager, Materials Science Division, Lawrence Berkeley National Lab**
- #4: Ira Janowitz, CPE, PT, Ergonomics Program Manager, Lawrence Berkeley National Lab**
- #5: Mallory Lynch, MS, CEA, Senior Campus Ergonomist, University Health Services, UC Berkeley**
- #6: Greg Ryan, Ergonomics Specialist, University Health Services, UC Berkeley**

#### **ACCREDITATION**

0.17 IH or Safety CM Point per session (1.0 total point for the Series) has been applied for with the ABIH.  
Qualifies for 0.08 BCSP COC Point per session / 0.5 COC point for series.  
Provider approved by the California Board of Registered Nursing, Provider # 12983 for 1.2 contact hours.

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**ONLINE REGISTRATION AT: [WWW.COEHCE.ORG](http://WWW.COEHCE.ORG)**

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## LOCATION - ONLINE

Train from the convenience of your computer and phone.

Before each session you will receive an email with dial in and log in information and a pdf of any materials. There will be opportunities to speak and a chat window will allow you to type in questions and comments.

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### REGISTRATION INFORMATION

**Price: Series of 6 Sessions registered/paid in advance:** Early Bird Fee: \$250.00

Series Fee after December 31, 2011: \$300.00

Individual Sessions \$60 each

-Fee includes PDF of course materials.

**Payment by Credit Card or Check.**

\*\*Payment must be received before the webinar – **no exceptions.**

We accept Visa and MasterCard. You can register and pay by credit card on line at [www.coehce.org](http://www.coehce.org)

Or you can mail the registration form below with your credit card information or check to:

COEH Continuing Education Program, UC Berkeley SPH, 2223 Fulton St, 2<sup>nd</sup> Floor, Berkeley CA 94720-5120

Please do not fax or email credit card information. You can call our office at 510-643-7277 and give us your payment information over the phone if you wish. **\*\*Make Check Payable to: University of California Regents**

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### —2012 SPRING OCCUPATIONAL HEALTH & SAFETY WEBINAR SERIES— Registration Form

Name \_\_\_\_\_ Job Title \_\_\_\_\_

Company/Agency \_\_\_\_\_

Address \_\_\_\_\_  
Street City State Zip

Phone \_\_\_\_\_ Fax \_\_\_\_\_ Email \_\_\_\_\_

Series of 6 (registered/paid in advance): Early Bird – before 12/31/2011 – \$250 / Regular Price \$300.00

Individual Sessions \$60 each: \_\_\_\_\_1 \_\_\_\_\_2 \_\_\_\_\_3 \_\_\_\_\_4 \_\_\_\_\_5 \_\_\_\_\_6

**Payment Amount:** \$ \_\_\_\_\_ **Payment Method:** \_\_\_\_\_ Check \_\_\_\_\_ Credit Card

VISA  MasterCard Card Number \_\_\_\_\_ Exp Date \_\_\_\_\_

Name on Card \_\_\_\_\_ Signature \_\_\_\_\_

**Profession:**  MD  RN  IH  Safety  Other

**Employer:**  Private Co.  Federal Gov  State Gov  Local Gov  Academic  Foreign  Other

**Ethnicity:**  White/Euro American  Black/African American  Latino/Hispanic  Asian/Pacific Islander  
 Native American  Other  Do Not Wish to Provide

**COEH Continuing Education Program, UC Berkeley School of Public Health  
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Phone: 510-643-7277 Fax: 510-643-7291 Email: [info@coehce.org](mailto:info@coehce.org)  
Website and Registration: [www.coehce.org](http://www.coehce.org)**

## —Webinar Descriptions—

### **#1: NFPE 70E FOR EVERYONE – February 1**

This webcast will introduce the participant to NFPA 70E; Electrical Safety In the Workplace. The participant will gain the necessary knowledge to assess their workplace's electrical safety program and immediately begin to implement the key requirements of the Standard.

Topics to be covered include: Legal Status of NFPA 70E; OSHA and NFPA 70E; The 5 most important requirements; The 3 most misunderstood requirements; Key changes in the 2012 version; How to implement 70E on a budget

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### **#2: SUSTAINABILITY IN HEALTH & SAFETY – February 22**

As times change, so does the way we manage and view our Environmental, Health, and Safety Programs. As Corporate Sustainability programs continue to gain momentum there will be increased transparency of programs' effectiveness to internal and external stakeholders such as the public and senior management. For years, Safety Professionals have known and understood the importance of obtaining executive/senior management support for their programs. In the presentation you will learn how you can tap into the Corporate Sustainability movement to raise your program's visibility up to executive/senior management and demonstrate that the safety function is a tool for business value creation

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### **#3: NANOTECHNOLOGY HEALTH & SAFETY UPDATE – March 1**

The nanotechnology revolution in science, medicine, engineering and manufacturing continues to grow, expanding into more and more research and manufacturing organizations. Our understanding of the occupational, community and environmental health risks associated with engineered nanoscale particulate matter continues to expand. We are learning more about nanotoxicology, real world exposure to engineered nanoparticles and exposure control strategies. This webinar will update you on recent findings in toxicology and exposure assessment, trends in regulation and exposure measurement strategies, including a review of recommended exposure limits for nanoparticles

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### **#4: OVERVIEW OF ERGONOMICS – March 21**

"Ergonomics" means fitting the work to the worker by modifying or redesigning the job, workstation, tool, or environment. It draws from the fields of engineering, information technology and medical and cognitive sciences to optimize the work environment. By identifying risk factors that can result in an injury or illness, and correcting these hazards, employees can have a healthier workplace. Ergonomics is an ongoing process, not a "quick fix." It is a continuous process that must anticipate and adapt to changes in work processes and technology. This webinar will provide an introduction to ergonomics or a refresher for those already working in this ever changing field. The session will cover: 12 lessons learned in ergonomics; 'Sherlock Ergonomics' – looking for clues and risk factors; and Examples of more advanced ergonomic analysis tools.

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### **#5 & #6: HOW UC ERGONOMISTS EVALUATED A HIGH RISK OCCUPATION & DEVELOPED INJURY REDUCTION STRATEGIES – 2-PART PRESENTATION – April 4 & May 3**

In 2010-2011, ergonomists from the University of California, with 10 campuses/5 medical centers and over 150,000 employees, evaluated custodial work, one of their high risk-for-injury occupations, with the goal of developing, implementing and evaluating injury reduction strategies. A very systematic approach was used to meet the project objectives, including: Developing a project charter; Evaluating injury data and applicable research; Implementing communication strategies to allow system-wide participation; Developing and implementing questionnaires; Organizing project team and delegating tasks; and Writing reference documents. This project resulted in processes that can help guide future ergonomic teams working in large, complex organizations. **April 4** - attendees will learn how to use a project charter and develop and use *Best Practices, Recommended Product Sheets and Design Guidelines*. **May 3** - attendees will learn how to identify specific applications for recommended products and design guidelines; engage supervisors and front line staff to select the best product for the task; and create ways to implement and evaluate location specific interventions.

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