EDUCATION AND RESEARCH CENTERS
INDUSTRIAL HYGIENE WEBINAR SERIES

DATA, PROFESSIONAL JUDGMENT, AND MODELING IN OCCUPATIONAL EXPOSURE ASSESSMENT

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December 8, 2020 | 12 - 1 PM Pacific | 3 - 4 PM Eastern

Register: coeh.berkeley.edu/20ihw1208

About the Webinar:

Exposure underestimates are a professional and ethical issue for Industrial Hygienists. This presentation will discuss the lack of adequate monitoring data for decision-making in industrial hygiene (IH), the over-reliance on professional judgment, and the limitations of professional judgments. Learners will also explore the use of heuristics and mathematical models, and distributed low cost networks for monitoring.

Objectives:

At the completion of this activity, the learner will be able to:

- Discuss the implications of limited monitoring data and exposure underestimation in IH
- Identify tools available to improve accuracy, including statistical analysis of small data sets, heuristics and checklists, and mathematical exposure models
- Describe how low cost networks and/or computed tomography may change the IH paradigm and discuss associated ethical considerations

Speaker Biography:

Dr. Gurumurthy “Ram” Ramachandran is a Professor in the Department of Environmental Health and Engineering in the Bloomberg School of Public Health at Johns Hopkins University and the Director of the Johns Hopkins Education and Research Center for Occupational Safety and Health.

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