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PhD

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**Title: High Reliability in Healthcare – Effort Towards Zero Harm**

**Bio Sketch:** Dr. Rammohan Maikala is a Project Manager and Program Specialist, Injury Prevention and Ergonomics Program at Providence Regional Medical Center in Everett, Washington. Ram’s current responsibilities include safe patient handling and mobility (teaching and training), development and provision of ergonomics and safety risk assessments of the workplace, and tracking employee-related injuries and developing interventions to mitigate injuries. Before his arrival at Providence Regional Medical Center in October 2014, Ram was a Research Scientist for 12.9 years at the Center for Physical Ergonomics, Liberty Mutual Research Institute for Safety in Hopkinton, Massachusetts.

Ram is the current Editor-in-Chief of Ergonomics in Design; a quarterly peer-reviewed periodical of Human Factors and Ergonomics Society, and an Editor for International Journal of Industrial Ergonomics. Ram is the immediate past president of Puget Sound Human Factors and Ergonomics Society (2016-2018) and the past president of The International Society for Occupational Ergonomics & Safety (2016-2017).

Ram has a Doctoral degree in Rehabilitation Science from the University of Alberta, Edmonton, Canada, Masters in Industrial Engineering with special emphasis on Ergonomics and Safety Engineering from West Virginia University, Morgantown, West Virginia, and Bachelors in Mechanical Engineering from Osmania University, India.

**Abstract:** Transforming the Hospital industry into a high reliability industry has been a work in progress all over the United States. This effort towards zero harm for all patients throughout their care will potentially result in safe and reliable care as well as sustain a culture of caregiver and patient safety. The importance of applying high reliability principles to health care industry are emphasized in the presentation.

**Keywords:** Healthcare sector; High reliability