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&

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**Jin Lee** got his Ph.D. in Industrial/Organizational Psychology at the University of Connecticut and his M.A. in Clinical Psychology at the Yonsei University (Seoul, South Korea) where he got his B.S. in Psychology. Before joining the Kansas State University, he was a Postdoctoral Research Fellow at the Harvard T. H. Chan School of Public Health and Liberty Mutual Research Institute for Safety. Dr. Lee's research focuses on safety climate assessment and management in high-risk industries, occupational safety/health disparity, work system improvement through the perspectives of macro-ergonomics and Total Worker Health®, and application of advanced quantitative methodology in multidisciplinary research efforts.

**Dr. Emily (Yueng-hsiang) Huang** is an Associate Professor at Oregon Institute of Occupational Health Sciences at OHSU. She received her Ph.D. in Industrial-Organizational Psychology/Systems Science from Portland State University. During her more than 20 years as an occupational safety and health researcher and consultant, she has published over 80 peer-reviewed journal articles, 6 book chapters, more than 100 worldwide conference presentations/proceedings and has provided recommendations to numerous occupational safety and health practitioners. She is a Fellow of the American Psychological Association (APA) and the Society for Industrial-Organizational Psychology (SIOP). While conducting research in both the laboratory and the field, Dr. Huang has led multidisciplinary efforts in

investigating safety perceptions, and in developing and evaluating safety climate measures for a variety of industries. In recent years, safety climate has captured the attention of companies and scientists looking to reduce accidents and injuries. Companies that understand and monitor safety climate can identify where problems may lie and take appropriate steps to proactively improve safety. Dr. Huang will continue studying and finding solutions to improve occupational safety and health. She plans to bring in the holistic view/systems approach to the study of what is next after conducting organizational climate surveys and to develop and validate various organizational climate and culture and other safety interventions.

### **A Systematic Review of the Safety Climate Intervention Literature: Past Trends and Future Directions**

Safety climate represents the meaningfulness of safety and how safety is valued in an organization. The contributions of safety climate to organizational safety have been well documented. There is a dearth of empirical research, however, on specific safety climate interventions and their effectiveness. The present study aims at examining the trend of safety climate interventions and offering compiled information for designing and implementing evidence-based safety climate interventions. Key components of the extant safety climate intervention in 19 studies were analyzed and summarized based on the sociotechnical systems framework.