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Call for Papers

Special Collection on Construction Safety
Culture and Climate influence on Overall Site
Safety: Concepts, Metrics, and Practices



Aims & Scope

Construction workers are, on average, 5.5 times more likely to get killed than non- construction workers in US workplaces. To address the high rates of fatal and non-fatal injuries among construction workers, there has been increased attention to the role of safety culture and climate in improving overall site safety. However, substantial ambiguity exists regarding their definitions and measurements in literature and practice. This issue significantly amplifies within the construction industry context due to the following:

- The interchangeable use of construction safety culture and climate,
- The construction industry adopted safety culture and climate metrics that have not been created within the construction context, and
- Most of the current definitions and metrics do not capture the uniqueness of the construction industry, such as the fact that upper management and safety personnel often oversee multiple geographically dispersed projects. In addition, these definitions and metrics are not tailored to the needs of smaller construction firms.
- Three dimensions of safety culture exist: corporate safety culture (e.g., policies, systems, procedures, and workflow), psychological safety culture (e.g., thoughts and feelings about safety), and Behavioral safety culture (e.g., employee activities, behaviors, and actions related to workplace safety).

Topics

This special collection aims to collect a broad range of research and industry case studies from construction scholars and practitioners regarding all aspects of construction safety culture and climate (e.g., models, measurements, and concepts). The topics include but are not limited to:

- Comprehensive state-of-art reviews,
- The limitations and potential of current practices and measurements,

continued on reverse

Practice Periodical on Structural Design and Construction



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Call for Papers

Special Issue on “Innovations in Energy Dissipation Devices for Seismic Protection”



- How to utilize technology to improve safety culture and climate,
- The influence of the interaction of multiple safety cultures and climates in construction workplaces (i.e., several subcontractors working on the same site) on overall site safety,
- Industry case studies

Submission Guidelines

1. Please submit your manuscript via the ASCE Practice Periodical on Structural Design and Construction website: <https://www.editorialmanager.com/jrnsceng>
2. Once on the Editorial Manager website, please indicate that your paper is for the special collection “Special Collection on Construction Safety Culture and Climate influence on Overall Site Safety: Concepts, Metrics, and Practices” edited by Ahmed Al-Bayati and Ali Amer
3. Detailed information on the submission process is provided in the document “Publishing in ASCE Journals: A Guide for Authors” available at <https://doi.org/10.1061/9780784479018>

Please note that all accepted papers submitted in response to this Call for Papers will be published in regular issues of the ASCE Practice Periodical on Structural Design and Construction and assembled online on a page dedicated to this Special Collection. See <https://ascelibrary.org/page/ppscfx/specialcollections> for the list of Special Collections already published.