

Special Issue

Risk and Uncertainty in Engineering Systems from the Perspective of Human Reliability

Message from the Guest Editors

Despite the emergence of technological innovations in engineering systems, the effectiveness of the human element maintains its importance because it is seen as an important cause of potential negative consequences. Therefore, evaluating human performance is necessary.

Potential risks cause catastrophic consequences in terms of economic, environmental, and human life in critical engineering industries. For this reason, it is of great importance to investigate the risk in engineering systems. In addition, there are many uncertainties in risk analysis processes, and uncertainties need to be included in the risk analysis process and undergo various improvements. In this direction, more consistent results are obtained. As a result, risk analyses should be carried out by using methods that take into account relations between modern technological systems and human elements.

This Special Issue focuses on developing risk analyses that consider uncertainties in terms of human reliability in engineering systems. We invite researchers to present their theoretical methods and numerical models.

Guest Editors

Dr. Emre Akyuz

Maritime Faculty, Istanbul Technical University, Istanbul, Turkey

Prof. Dr. Ozcan Arslan

Department of Maritime Transportation and Management Engineering, Istanbul Technical University, Istanbul, Tuzla 34940, Turkey

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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