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Reliability, Availability and Safety Assessments in Industrial Applications Exploiting Sensors and IoT Frameworks

Guest Editors:

Prof. Dr. Marco Mugnaini
Department of Information Engineering and Mathematical Sciences, University of Siena, 53100 Siena, Italy

Prof. Dr. Lorenzo Ciani
DINFO-Department of Information Engineering, University of Florence, Via S.Marta, 3, 50139 Florence, Italy

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Message from the Guest Editors

Dear Colleagues,

In recent years, research has focused on RAMS studies, consolidating the knowledge on conventional approaches and standard applications. Recently, technology has been pushing the world to a radical change in communication infrastructures, sensing architectures, and elaboration technology. Therefore, new methods, architectures, and approaches may be necessary to face this challenge. IoT sensing systems, for example, are pushing automotive, transportation, and the industrial environment in general to gather more information than in the past, and this quantity of data, which could not have even been imagined some years ago, may be useful to build reliable and safe structures that are able to face complex industrial challenges. Both hardware and software components are involved in this continuous development process and a theoretical RAMS background must be placed alongside it as well.