

# Conference Paper Title\*

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**Abstract**—Adoption of AI systems has been widely used across multiple industry domains at an alerting rate without the focus on its ethical concerns. To address those concerns, there are an increase number of AI ethics frameworks that have been suggested recently that focus on the algorithmic level rather than on the systems level. Nonetheless, some of the system level approaches developed mostly cover a single level governance pattern of the system components in the entire software design lifecycle. However, the need to go beyond the single level system design AI ethics frameworks to allow not only a better responsible-AI-by-design, but also a trustworthy process patterns that abstract and link the underlying layers of responsible AI on each and every level. This paper illustrates a principal-to-practice guide of the multi-level governance within organizations across the globe for AI ethics frameworks. We outline three main areas of gap in organizations for AI ethics frameworks. Consecutively, we propose a multi-level governance pattern for responsible AI systems within organizations which is participatory, iterative, flexible and operationalizable that target those three main gap areas. Finally, to assist practitioners to apply the multi-level governance AI, demonstrating how an impact assessment framework can translate into effective and responsible AI practices.

**Index Terms**—AI, AI ethics, trustworthy AI, AIM-LOps, AIOps, software engineering, software architecture, pattern, best practice

## I. INTRODUCTION

## II. EASE OF USE

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TABLE I  
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	Table column subhead	Subhead	Subhead
copy	More table copy <sup>a</sup>		

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Fig. 1. Example of a figure caption.

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#### ACKNOWLEDGMENT

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