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Editorial

Dear Reader,

As I have read through the papers for this edition of the journal, I notice that there is increasingly more and more that I do not understand about the field of computer science. Every new year seems to bring new areas of discovery, new complexities, new solutions, and an ever-expanding subject area. Sometimes, I feel exasperated that the more I learn, the more I realise there is to learn!

Today, computing is a multifaceted and rapidly evolving field encompassing various disciplines, from hardware engineering and software development to algorithms, networking, and cybersecurity. The sheer breadth and depth of knowledge required to comprehend the intricacies of computing make it a complex subject that is challenging (probably impossible) for one person to grasp fully.

Firstly, computing involves theoretical and practical aspects, requiring individuals to understand abstract concepts such as algorithms, data structures, and computational complexity, as well as the practical implementation of these ideas in various programming languages. This duality demands diverse skills and a comprehensive understanding of the underlying theory and real-world applications. Secondly, the pace of technological advancement in computing is staggering. New programming languages, frameworks, and hardware architectures constantly emerge, and keeping up with these developments requires continuous learning. A single person would find it exceedingly difficult to stay abreast of all the latest innovations in areas such as artificial intelligence, machine learning, quantum computing, and other cutting-edge technologies.

Furthermore, the collaborative nature of modern computing projects often necessitates specialisation. In larger-scale endeavours, teams of experts with diverse skill sets work together to tackle different facets of a project. No single individual can master every aspect of computing, from low-level hardware design to high-level software development and everything in between. The interdisciplinary nature of computing also contributes to its complexity. Bridging the gap between computing and other fields like mathematics, physics, and biology requires a broad understanding that extends beyond the traditional boundaries of computer science.

While individuals can specialise and excel in specific domains within computing, mastering the entire field is an impractical and daunting task for one person. Collaboration and teamwork become essential in navigating the vast and intricate computing landscape, allowing experts from different areas to contribute their unique insights and skills.

I am grateful to the many experts who have contributed to the success of this journal. Grateful also for the teamwork that makes its publication a pleasure to be part of.

With best wishes for 2024,

Professor Andrew Ware,
On behalf of the Editorial Board,
Annals of Emerging Technologies in Computing (AETiC).