

View Point



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We start this issue by our 'Corporate Social Responsibility', which is an integral part of our business ethics "Give back to the society a piece of our Prosperity"

We always believe that social obligation is much bigger than supporting worthy causes. To ensure this our employees not only offer their helping hands to various social causes ranging from child education, feeding under-privileged, and serving needy people everywhere, but they actively work towards cultivating global issues such as environment protection. We urge all our eminent readers to volunteer whatever services they can for the social causes because, "From what we get, we can make a living; what we give, however, makes a life."

Innovation of Technology is critical for high performance business. We believe that only innovation can offer new solutions to existing challenges. Fresh perspectives drive competitive edge and embrace the explosion of technology. Following this tradition the present issue will be a perfect blend of current trends in emerging technological innovations.

This issue will extensively cover Dynamic Simulation. The first part of cover story highlights the case study of a group, researching at Control Engineering Laboratory of University of Twente on a passive Dynamic walking robot viz. Dribbel 'a 2D biped'. The second part consist of a practical project carried out at the Maritime Research Institute Netherlands (Marin) for Machine control using feedforward, enhancing the positioning and tracking substantially.

In technology focus we will concentrate on SOI as breakthrough technology, taking an upturn from niche to mainstream. This issue will also show some diversified applications like DFT scan generator, modeling of fluid power systems and antenna placement problems and analysis on military platforms.

We announced in our last issue that we would be shortly releasing our latest software cum learning resource, MentorDSP, but as with all software companies there was just a little delay in the release. Ladies and Gentleman, keeping up the promise ni2 family proudly launch the first version of MentorDSP. As obvious thereby, this issue's software focus will be on MentorDSP.

In the last issue we were restricted to IC designs, Dynamic Simulation, EM and Microwave but from this issue we will also be featuring Electronic System Level (ESL) design, which is a highly-effective approach for creating complex chips and systems; accomplished through the use of SystemC, a system level modeling language, trying to bridge the gap between hardware and software.

We take great pride and offer you our gratitude for making the first issue of Magnitudesigns an outright success. It received overwhelming and encouraging response from all quarters; and herein we would like to thank all of you for your patronage and allowing us to serve you better.

To further enhance our services to you, very shortly we are launching an online edition of Magnitudesigns (www.magnitudesigns.com) which will enable the magazine to spread its wings across the globe.

We always welcome suggestions that would allow us to improve upon our already high quality standards; and encourage you to submit your thoughts. Any engineer who wants to publish their technical work, or an article in Magnitudesigns can mail it to info@ni2designs.com. We will do our best to publish it in our future issues.

We hope you will like the current issue of Magnitudesigns.

Enjoy reading...

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