Welcome Message from the SWC 2015 Chairs

Dear Friends:

With the rapid progress of information science and technology, novel disciplinary fields have emerged, such as Mobile Internet, the Internet of Things (IoT), Cyber-physical Systems (CPS), Social Computing, Cloud Computing, Big Data, Brain Informatics, Internet of People (IoP), etc. Their research and application have sped up the formation of cyber space, which will further lead to a subversive change for information science development as well as human production and living.

The development of these technologies contributes directly to the deep convergence between the new cyber space and the traditional ones—physical, social, and thinking spaces—toward a quarternionic convergent space, the Cyber-Physical-Social-Thinking Hyperspace, on which a Smart World is being created. For this, we have organized the timely “2015 Smart World Congress,” which includes five IEEE international conferences (UIC, ATC, ScalCom, CBDCom, and IoP) and has the theme of innovative computing, communication, data, intelligence, and services for a smart world.

There are many fundamental issues in the smart world; for example, how will “people” exist in the physical, social, cyber, and thinking quarternionic hyperspace? Will ubiquitous smart things really be self-cognitive and secure enough to safeguard humans and environments? Will the Internet/Web possibly become a runaway super monster or a super living organism? Besides the five conferences, and their workshops and seminars, we are also presenting two special events, “Top10Cs Open Forum” and “Smart World Summit.” The former is a public forum where everybody can put forward the challenges of the smart world, and then the top 10 challenges will be generated based on the selections of the crowd and experts. The latter is a high-level panel for distinguished researchers to present their insights about key challenges in creating the smart world.

You are cordially welcome to participate in the 2015 Smart World Congress so you can share your ideas, vision, and research for the betterment of this exciting but challenging smart world!

Jianhua Ma and Laurence T. Yang
2015 Smart World Congress Steering Chairs

Huansheng Ning
2015 Smart World Congress Executive Chair