

APNG

Webinar

INNOVATIONS IN ROBOTICS, AI, & INDUSTRY 4.0: THE CLOUD PERSPECTIVE

By Professor Kennedy Chinedu Okafor

DATE & TIME

Saturday, 18 December, 2021
12:00 PM (UTC +9)

WEBINAR REGISTRATION

https://apng.zoom.us/webinar/register/WN_erYwwGV1Ts-d9m5_HfFZIQ

FURTHER DETAILS

<https://apng.asia/?p=1664>

ABSTRACT



The flow of information due to the connectedness in Industry 4.0 powered using robots is raising concerns about security, transparency, and privacy. As the manufacturing practices are increasingly becoming personal and customizable, the data management practices done outside and within the shop floor will hugely influence the appeal. The transmission and processing of sensitive industrial data need to be done securely to avoid cyberattacks on critical industrial facilities powered by Robots. Digital ethics and privacy, privacy-enhancing technologies, self-adaptive security, zero-trust security, end-to-end communication security, DevSecOps, blockchain are some of the new developments on this front. The use of industrial robots in all stages of manufacturing is necessitating innovations. Interestingly, the immense amount of data being generated by the industrial internet of things (IIoT) is propelling the adoption of AI, edge, fog, and cloud computing capabilities in Industry 4.0.

SPEAKER'S BIO

Professor Kennedy Chinedu Okafor is a Senior Member of IEEE, USA; Chair of IEEE Consultants Network Nigeria, and a teaching researcher with the Department of Mechatronics Engineering, Federal University of Technology, Owerri-Nigeria. Kennedy is a Senior Research Fellow with the University of Johannesburg, South Africa, and serves as a Cisco Systems Ambassador in Africa. He holds a Post- Doc appointment with Simon Fraser University, BC-Canada (Ongoing with researchers in Automatous Intelligent System Labs). He formerly worked with Electronic Development Institute under National Agency for Science and Engineering Infrastructure, (NASENI) Nigeria as a Senior R&D Engineer (2006-2014). He received the prestigious Vice-Chancellor Award as the overall best graduating Ph.D. student from the Faculty of Engineering, University of Nigeria Nsukka in Digital Electronics & Computer Engineering.



ABOUT APNG

Asia Pacific Next Generation (APNG) <<https://apng.asia/>> is a non-profit organization dedicated to the advancement of internetworking infrastructure in the Asia Pacific region and to the research and development of all associated enabling technologies. Its key mission, among others is to contribute Digital Growth in the Asia Pacific (AP) region. APNG empowers the Next Generation in Asia Pacific by organising annual APNG Camps, sharing information amongst the community, understanding the digital divide in each AP country to overcome them, advancing digital transformations, contributing at regional forums, creating new opportunities for its members, and organising webinars on emerging topics in technology.

ABOUT APNG WEBINARS

APNG (Asia Pacific Next Generation) <<https://apng.asia/>> is an arena in which future leaders of the digital society in the Asia Pacific region gather to build a human network and learn from each other. APNG has offered resources and discussions for multi-stakeholders from different regions to challenge the digital divide. We had a successful year of 2020 webinars, where our esteemed and expert speakers spoke on a range of topics on emerging technologies. APNG organises webinars on the third Saturdays of the even months (February, April, June, August, October, and December) of the calendar year. The 1 hour webinar starts at 12:00PM UTC +9.