



CYBERSECURITY FOR CONNECTED AND AUTONOMOUS VEHICLES: TRENDS AND FUTURE DIRECTIONS

Connected and autonomous vehicles (CAVs) are a collection of smart components such as sensors, Electronic Control Units (ECUs), and cameras programmed through voluminous lines of codes. The concept of CAVs is gaining significant traction and interest in the global markets, generating higher revenues, and witnessing great market penetration, thus enabling disruptive innovations in the automotive industry. However, with the growing technological smartness and exacerbate connectivity, cybersecurity of modern vehicles becomes crucial. In this speech, Professor Khurram will discuss recent developments and technological advances in CAVs. Furthermore, he will dissect cybersecurity challenges and concerns that exacerbates the risks of data breaches and cyber-attacks in CAVs. Finally, he would highlight some research trends and future directions in this domain.

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Friday 15 January 2021, 7:30 to 9:30 PM, Saudi Arabia Time

GMT 4:30 to 6:30 PM, (Pakistan Standard Time 9:30 to 11:30 PM)



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DR. MUHAMMAD KHURRAM KHAN IS CURRENTLY WORKING AS A PROFESSOR OF CYBERSECURITY AT KING SAUD UNIVERSITY, KINGDOM OF SAUDI ARABIA. HE IS FOUNDER AND CEO OF THE 'GLOBAL FOUNDATION FOR CYBER STUDIES AND RESEARCH', AN INDEPENDENT THINK-TANK IN WASHINGTON D.C. USA. HE IS AN EDITOR-IN-CHIEF OF AN INTERNATIONAL JOURNAL 'TELECOMMUNICATION SYSTEMS' PUBLISHED BY SPRINGER-NATURE. HE IS ON THE EDITORIAL BOARD OF SEVERAL INTERNATIONAL JOURNALS OF IEEE, WILEY, SPRINGER, AND ELSEVIER. HE HAS PUBLISHED MORE THAN 385 PAPERS IN THE JOURNALS AND CONFERENCES OF INTERNATIONAL REPUTE. HE HAS EDITED 9 BOOKS/PROCEEDINGS PUBLISHED BY SPRINGER-NATURE, TAYLOR & FRANCIS AND IEEE. HIS RESEARCH AREAS OF INTEREST ARE CYBERSECURITY, DIGITAL AUTHENTICATION, BIOMETRICS, CYBER POLICY, AND TECHNOLOGICAL INNOVATION MANAGEMENT. HE IS A FELLOW OF THE INSTITUTION OF ENGINEERING & TECHNOLOGY (UK), A FELLOW OF THE BRITISH COMPUTER SOCIETY (UK), AND A SENIOR MEMBER OF THE IEEE. HE IS VICE CHAIR OF THE IEEE COMMUNICATIONS SOCIETY SAUDI ARABIA CHAPTER. HIS DETAILED PROFILE CAN BE VISITED AT WWW.PROFESSORKHURRAM.COM

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