Engineering, Technology, and Computer Sciences

Engineering

Dr. Zhuming Bi

I am interested in robotics, automation, and the internet of robotic things (IoRT). The study on robotics attracts people at all age groups, in particular young people. Robotics technologies have their potential to lead next industrial revolutions and have been identified as the next disruptive technology. Robotics has its multidisciplinary nature where people with the talents in mechanical, electrical, and software engineering can collaborate and contribute to the development of new mechatronic systems. Doing research in robotics provides an opportunity for high students to be exposed to various STEM fields, allows students to synergize their knowledge from different venues for the design and control of new robotic systems. Dr. Bi has his interests in working with high-school students in designing new robots such as the devices for 3D printing, biomimetic robots such as robotic fish or spiders, soft robots, or smart systems where various sensors are used and integrated for intelligent system control.

http://engr.ipfw.edu/~bi/