Development of the crisis navigator for individuals

Development of Super Security Gate

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Summary :

Violent crime is becoming prominent in areas where a large number of people gather, such as transportation facilities, event venues, commercial facilities, and schools. Safety and security in such areas is sought by society. However, it is not desirable for us that security inspections should cause congestion and delay or place restrictions on behavior. To achieve convenience of living as well as safety in society, a technology that can naturally, reliably, and swiftly detect dangerous articles concealed in clothes, shoes, bags, and the body is required. In this study, we develop a next-generation security system capable of detecting dangerous weapons such as knives and guns by matching the magnetic field distribution image at the position of people walking, which is calculated by the novel image reconstruction theory using measured data with highly sensitive magnetic sensor arrays embedded in walls, with previously acquired database.