Smart Electronics for Healthcare

- Human migration → Population 70% urban by 2050 → Smart City (Smart Healthcare, Smart Energy …)

- Smart Healthcare: Quality healthcare Anywhere and Anytime → IoT, Sensors, Things, etc. for Real-time monitoring, Better emergency response …

- Smart-Log: IoT based automated nutrition monitoring and meal prediction system

- Smart-Walk: IoT based automated accurate physiological monitoring system

- IoT based seizure detection and drug delivery

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Smart Electronics through Hardware-Assisted Systems

- Smart City → Smart Electronic Systems →
    - Energy-Smart, Security-Smart, Response-Smart
- Energy Smart: Energy consumption needs to be low
- Security-Smart: Security of system and information
- Response-Smart: Sense, Process, and Actuate fast
- Nanoelectronics for Energy-Smart CE – Battery Life
- Nanoelectronics for Security-Smart CE – PUF
- Nanoelectronics for Response-Smart CE – Thing

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