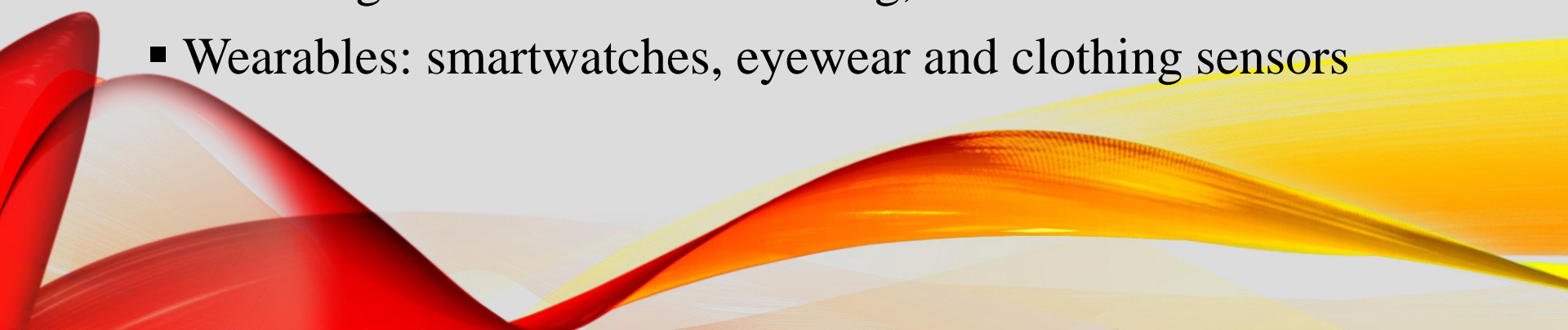




IoT Centered International Research Trends

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10 GROWING AREAS OF IoT APPLICATIONS' RESEARCH

- Smart Cities: increasing the quality of service, lowering costs
 - Smart Homes: remote control intelligent appliances, systems
 - Health Care: monitoring individual health and care in real-time
 - Connected Industry: manufacturing machine communication
 - Smart Retail: reshape customer experiences, faster delivery
 - Connected Vehicles: automated navigation/parking systems
 - Smart Energy and Smart Grids: increased energy efficiencies
 - Environmental Monitoring, Green Technology: pollution sensors
 - Smart Agriculture: remote sensing, soil and water sensors
 - Wearables: smartwatches, eyewear and clothing sensors
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10 INTERNATIONAL RESEARCH PRIORITIES

- Standardization: no existing standard SCADA protocol
- Security and Privacy: protecting user behavior, creating trust
- Heterogeneity: facilitating collaborative work between different things
- Fog Computing: computing, storing and networking services
- Block Chain: decentralized platforms through blockchain
- Legal and Ethical Issues: dark web, blackmailing, trafficking
- Big Data Analytics: data mining and publishing, usage effects
- Artificial Intelligence: new management models for cyber systems
- Distance Learning: new online learning models and products
- Interaction with Robots: Human-machine communication studies

